



National Electrical Contractors Association



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PROJECT NEWS

Lynnwell Associates Shines in Electrical Construction of Edward M. Kennedy Institute for the United States Senate at Columbia Point in Boston, MA

Project features four NECA contractors: Lynnwell Associates, Quincy, MA – Primary Electrical Construction; Boston Lightning Rod, Dedham, MA – Lightning Protection System; J.M. Electrical Co., Lynnfield, MA – Building Automation Controls, LAN-TEL Communications, Norwood, MA – Tel/Data Installations

CM: Lee Kennedy Co., Inc., Quincy, MA; EE: WSP Group, Boston, MA; Architect: Roland Viñoly Architects, New York, NY



Image courtesy of Edward M. Kennedy Institute



Image courtesy of Edward M. Kennedy Institute



Image courtesy of Edward M. Kennedy Institute

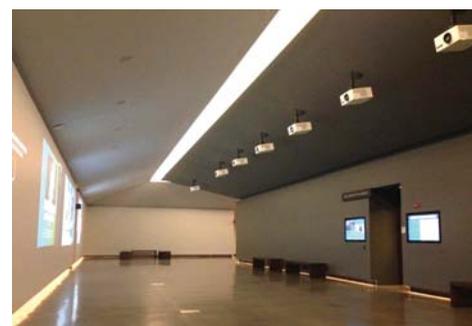


Photo provided by Lynnwell Associates

The Edward M. Kennedy Institute – Facility Overview

The Edward M. Kennedy Institute for the United States Senate is located on Columbia Point on the University of Massachusetts Boston campus, adjacent to the John F. Kennedy Presidential Library and Museum. The Institute is dedicated to educating the public about our government and the role and importance of the United States Senate, invigorating public discourse, encouraging participatory democracy and inspiring the next generation of citizens and leaders to engage in their community.

Facility Features

- 68,000 square-foot museum, exhibits, classrooms, and office space
- Exact replica of U.S Senate Chamber; lobby with Senate exhibits; classrooms; library/research area; archival storage; offices; exact replica of late Senator Kennedy's office
- Exhibition hall features interactive kiosks, graphic panels, videos, and historical artifacts
- The exhibition hall leads into classrooms, which will be designed as a continuation of the Senate experience, with direct video links to the Chamber in Washington D.C.
- Library Archive, where visitors will be able to peruse digital records of images, documents, video, audio, and other media.

Source: Edward M. Kennedy Institute

BOSTON, MA – Lynnwell Associates, based in Quincy, MA, has completed the electrical construction of the new Edward M. Kennedy Institute for the United States Senate facility at Columbia Point on the UMASS Boston campus. The NECA contractor's electrical project scope was comprehensive, encompassing the installation of primary and emergency power distribution systems, interior and exterior lighting and the facility's intelligent Lutron lighting control system, a Siemens fire alarm system, and state-of-the-art Electrosonic audio-visual (AV) systems in exhibit spaces. Lynnwell's project also included electrical fit-out of University of Massachusetts teaching classrooms as well as installations for the Institute's two large mechanical areas; a new chiller plant for the adjacent JFK Library; a full-scale

replica of the United State Senate Chamber including the viewing gallery; and, a replica of Senator Kennedy's Washington office.

Intricate architectural detail and exacting construction specifications for the Institute were integral to all aspects of the project.

The Edward M. Kennedy Institute features custom lighting throughout its exterior and interior spaces, including at its entrance, where fifty concrete bollards, each engraved with the name of a state in the U.S. and the date in which it became an official state, are lit by in-ground LED light fixtures. Custom-crafted wall sconce fixtures replicating authentic U.S. Senate fixtures were installed by Lynnwell in the Senate Chamber gallery and also in the Senator's office. Each fixture was, individually, custom-made from a mold.

Among logistical challenges met by Lynnwell was the electrical work performed within the chamber. All of the ceiling electrical work in the chamber dome was completed from fifty-foot high staging with only a small interior ladder providing access.

The project included several design modifications during construction, which lead to a tight schedule and rigorous coordination of electrical and AV installations.

Lynnwell Associates' project management team was headed by President Dennis Mahoney, Project Executive Larry Mahoney, Project Manager Michael Smart, Outside Superintendent John Lievi, and Chief Estimator Craig Canha. General Foreman Mike Dutton and four project foremen supervised the field crew of 43 Local 103 electricians and four telecommunications

technicians at peak construction. Electrical construction commenced in January 2013 and was completed in February 2015.

Project Executive Mahoney said, "Lynnwell Associates is proud to have been a member of the Edward M. Kennedy Institute's construction team. We worked closely with construction manager Lee Kennedy Company to ensure project schedules were met and also with Local 103 and Business Agent Gary Walker to make sure the project was constructed with a crew comprised of 50% Local 103 Boston residents. The Institute is a state-of-the-art facility that promises to be an important landmark in Boston, Massachusetts, and our nation."

The Edward M. Kennedy Institute for the United States Senate opened to the public on Tuesday, March 31st following a

J.M. Electrical Company Provides Edward M. Kennedy Institute's Building Automation System



J.M. Electrical Company, of Lynnfield, MA, provided the Edward M. Kennedy Institute's sophisticated HVAC control/building automation system installations.

In a uniquely challenging aspect of the project, the chiller plants for the adjacent Kennedy Library were relocated to the new Institute facility during construction. Within its scope, J.M. Electrical seamlessly repositioned the chiller plant controls for the Kennedy Library and integrated them into the same backbone as the Institute's chiller control system, and then put the system back online. This entailed bringing an elaborate system of pumps, valves, actuators, and frequency drives under control and integrating them so that they function as

one system. To accomplish ongoing HVAC service at the Kennedy Library, a parallel system of temporary chillers was utilized so that humidity and temperature control in the critical museum environment was always maintained.

Climate control, also vital to the new Edward M. Kennedy Institute's museum environment, is fully computer-controlled to assure an optimal environment. The building automation system constantly monitors all spaces within the facility and adjusts based on real-time conditions. It is programmed to alert manage-

ment as to any adjustments that may be required, with control of the building's automation system operable via the facility's engineering office.

J.M. Electrical Project Manager Niall Black and Foreman Hugh MacKinnon headed the NECA contractor's field crew of IBEW Local 103 electricians in a project that commenced in August 2013 and was complete in October 2014. The J.M. Electrical team "coordinated closely with Lynnwell Associates to ensure the HVAC control systems went online as scheduled," PM Black said.

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May is National Electrical Safety Month



May is National Electrical Safety Month and the NECA is proud to join with the Electrical Safety Foundation International (ESFI) in raising awareness about electrical safety by facilitating public education throughout the year. Promotional materials that electrical contractors and others may use to join in the safety campaign are available on ESFI's website at www.esfi.org.

NECA's Leadership in Electrical Safety in Sharp Focus at 2015 Safety Professionals Conference, May 18 - 20 in Phoenix, AZ

WEST NEWTON, MA – The **NECA 2015 Safety Professionals Conference**, scheduled May 18 to 20 in Phoenix, is the industry's premier safety conference, providing the most useful, up-to-the-minute

information on safety compliance, management, and standards development. This year's conference will focus on the new 2015 edition of **NFPA 70E: Standard for Electrical Safety in the**

Workplace. Considered the most important document applicable to electrical construction and maintenance, NFPA 70E is a critical tool for protecting electrical workers from shock, arc-flash and arc-blast

hazards, as well as safeguarding customers and their personnel and facilities. The *2015 National Electrical Safety Professionals Conference* includes educational tracks for both electrical line

construction and inside electrical construction. To learn more and register, visit www.necasafetyconference.com or call NECA Boston Chapter at 617-969-2521.

PROJECT NEWS CONT.

LAN-TEL Communications Connects Tel/Data Infrastructure for Kennedy Institute

NECA contractor LAN-TEL Communications, headquartered in Norwood, MA, provided the new Edward M. Kennedy Institute's telecommunications infrastructure, which is comprised of a Main Distribution Frame (MDF) on the second floor and four Intermediate Distribution Frames (IDFs) on the first floor. The tel/data backbone consists of traditional fiber optic and copper cable runs, interconnecting the MDF with each of the four IDFs. LAN-TEL's crew of six Local 103 technicians also installed wireless access points throughout the building. Project Manager Dave Stevenson and Foreman Brian Collett headed LAN-TEL's project team in the six-month tel/data project, which was completed in September 2014.

Lynnwell Associates Shines in Electrical Construction of Edward M. Kennedy Institute (Continued)

dedication ceremony held on March 30th. The official dedication ceremony featured a celebrated list of speakers, including President Barack Obama, Vice President Joseph Biden, Republican Senator John McCain, and the late Senator Kennedy's wife, Victoria Reggie Kennedy, who along with him, is a co-founder of the Institute. It was attended by numerous U.S. Senators and colleagues of the late Senator Kennedy, prominent Massachusetts officials, including Governor Charlie Baker and Boston Mayor Martin Walsh, and members of Senator Kennedy's family.

Boston Lightning Rod, Inc., based in Dedham, MA, served as a subcontractor to Lynnwell Associates in providing engineering, design and installation of the facility's exterior lightning protection system. The specialty project was headed by PM Andrew Mulholland supervising two lightning protection technicians from IBEW Local 103.

EASTERN NEW ENGLAND SETS ITS SITES ON QUALITY AND SAFETY IN ELECTRICAL AND TELECOM CONSTRUCTION.

NECA and IBEW set the standard for excellence in electrical, telecom, and renewable energy projects throughout Eastern New England.



Boston Convention and Exhibition Center



MFA Boston, The Art of the Americas Wing



Center for Life Science, Boston, MA



Courthouse Station, Silver Line, Boston, MA



Leonard P. Zakim Bridge



JATC Training Center/Wind Turbine, Boston, MA

In the world of construction, quality and safety are critical to every project. Which is why leading architects, general contractors, building owners, and facility managers throughout Eastern New England 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).

For more than a century, IBEW and NECA have literally helped build our region. From our most cherished historical sites and renowned educational institutions, to major transportation projects, leading technology companies, community schools, and libraries, our landmarks shed light on a century of electrical construction unsurpassed in quality.

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.

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