E.G. Sawyer Company Nears Completion of Electrical Construction of Lahey Hospital & Medical Center’s New Emergency Department, Burlington, MA


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NECA Revises Standard for Temporary Electric Power at Construction Sites

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BURLINGTON, MA – E.G. Sawyer Company, Inc., headquartered in Weymouth, MA, is in the final phase of electrical construction of the new 45,000 square-foot Emergency Department (ED) at Lahey Hospital & Medical Center in Burlington.

The comprehensive electrical project scope entails installation of a new double-ended 15kV substation and tie-in to the existing hospital’s primary power system, new life safety emergency switchgear and tie-in to the existing generator and emergency power system, fire alarm system, nurse call system, site lighting, exterior facility lighting, and interior lighting, including of specialty lighting for trauma rooms and examination rooms.

The new Lahey Emergency Department, a Level 2 Trauma Center, will be world-class, comprised of 36 private rooms, four trauma bays, a clinical decision unit for delirium, isolation and decontamination areas, and a fast track area for treating less serious conditions. The facility’s imaging suite will be equipped with two CT scanners and X-Ray, a pharmacy, behavioral health unit and a family consultation area. As a Level II trauma center, Lahey receives some of the most seriously injured patients in northeastern Massachusetts and southern New Hampshire.

Construction of the Lahey ED addition is being undertaken while the existing hospital is fully operational. E.G. Sawyer is managing the complex, multi-phase project with a crew of 25 electricians and six telecom technicians based out of IBEW Local 103. The project team is headed by Senior Project Manager, John Pratte, IBEW Local 1253, Project Manager,澍 Chen, IBEW Local 69 and the NECA trade coordinators.

Lean construction techniques, including manpower and load scheduling, are being employed throughout the project, headed by the project’s general contractor, Suffolk Construction. The project is also being constructed on a BIM platform, which required extensive coordination in the pre- and early-construction phase between E.G. Sawyer and the project’s other MEP contractors.

E.G. Sawyer is approximate one month ahead of the project delivery schedule, as the project will be substantially complete in September. Lahey is scheduled to open the new Emergency Department in early 2017.

Sullivan & McLaughlin Companies, based in Boston, is handling the facility’s Automatic Temperature Control wiring. Gaston Electrical, of Norwood, MA, is providing security wiring.

H. Johnston, executive director of standards and safety at the contractors’ association. NECA originally developed NECA 200 to clarify many essential requirements for installing temporary power and lighting for construction projects, including use of ground-fault circuit interrupter protection for personnel.

This revised edition of NECA 200 details vital installation criteria for temporary electrical power and lighting systems at construction sites, operating at 600 volts or less. It covers the design and planning, installation, expansion, maintenance, cutter, and removal of the temporary power system.

“Adopting this standard on a job site is essential to ensure a safe, adequate, functional, and reliable temporary electrical power system for all trades working on site,” Johnston said. NECA 200 also serves as the base standard for the new NECA Guide to Temporary Power.

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