



**PROJECT SPOTLIGHT**

## J. & M. Brown Shines in MIT Great Dome LED Lighting Renovation – Project Wins 2013 ENR Merit Award

**NECA/IBEW Local 103 Contractor teams with GC: Shawmut Construction, Boston, MA; A/E: Simpson Gumpertz & Heger, Waltham, MA; Lighting Designer: Sladen Feinstein, Boston, MA**



CAMBRIDGE, MA – The Great Dome at MIT’s Building 10 is shining brighter than ever, thanks to the intricate lighting renovation recently provided by J. & M. Brown Company (JMB),

of Jamaica Plain, Mass. The landmark project was recently awarded the ENR 2013 Best Projects Merit Award in the Renovation/Restoration category. The iconic Great Dome now

features three levels of LED lighting, as JMB provided elaborate wiring and installation of 32 custom LED downlights in the clerestory/upper dome, 32 custom Lumenpulse LED uplights in the acanthus detail of the dome, and 50 LED cove lights around its lower level perimeter. The historic building’s interior lighting is controlled by a state-of-the-art Sensor Switch programmable lighting control system.

The NECA contractor also upgraded the facility’s emergency lighting system and installed new wiring for desks on the Dome floor in the study room.

The lighting system required concealed wiring within the dome, achieved through the project team’s elaborate pre-planning of wiring layouts. JMB met significant accessibility and

logistical challenges, as electrical work was performed at heights 140 feet above the Great Dome’s Barker Engineering Library’s reading room.

J. & M. Brown Special Projects Division PM Stephen Cabral headed the project team, supervising a highly skilled crew of electricians for the duration of the four-month project. Cabral has managed numerous historical restoration and renovation projects while at J. & M. Brown, including the Trinity Church in Boston and the African Meeting House on Beacon Hill. He noted that the delivery of such high quality installations is the trademark of J. & M. Brown and made possible by employing the most talented and well-trained IBEW Local 103 electricians in Massachusetts.

“J. & M. Brown is proud to

have worked on the MIT Great Dome lighting renovation with a dedicated and talented project team,” said Cabral. “The project required significant planning and coordination and the results are a beautifully and uniformly lit interior space, complementing the architectural detail of the historic building and providing students with an ideal atmosphere in which to study.”

Integral to the Great Dome lighting renovation, the building’s intricate oculus skylight has been restored and reopened this year for the first time in more than 70 years. The oculus had been covered with blackout shades since World War II in 1942 to prevent it from being used as an enemy beacon during World War II. MIT’s signature building, the Great Dome was built in 1916.

## E.S. Boulos Completes Compressed Natural Gas Loading Facility for Global CNG in Bangor, ME First Public Compressed Natural Gas Fueling Station in Maine



BANGOR, ME – The E.S. Boulos (ESB) Commercial Division has completed the fast-track electrical construction of the new Compressed Natural Gas (CNG) loading station in Bangor,

Maine. ESB met an aggressive three-month schedule, providing installation of the facility’s electrical service, power control systems, lighting, fire alarm, and security system for the site.

ESB PM Peter Lamb headed the project team with Foreman Brian Lane, supervising a field crew of six electricians based out of IBEW Local 1253 in Fairfield Maine.

The facility, developed by Global Partners subsidiary, Global CNG, will be used to help Bangor Gas Company fuel its CNG-fueled vehicles and transport CNG used for heating

to commercial, municipal, and industrial customers both in the local Bangor area and in other parts of the state.

**ELECTRICAL INDUSTRY NEWS**

### Cablenet Systems Honored as NECA 25-Year Member

WEST NEWTON, MA – Cablenet Systems, Inc., a telecommunications contractor based in Peabody, Massachusetts, has recently been recognized by the National Electrical Contractors Association as a 25-year NECA member. The

company provides low voltage communications cabling, specializing in voice/data systems for commercial buildings, data centers, law firms, insurance companies, pharmaceutical/lab facilities, and manufacturing facilities

throughout Greater Boston and southern New Hampshire. Cablenet Systems has completed projects for such prominent clients as Monster, Schering-Plough, LoJack, WilmerHale and Constant Contact.

*Cablenet Systems President Richard D. Aiello, Jr. accepts 25-year Member Award from Boston Chapter Executive Manager Glenn Kingsbury.*

