

# INSTALLING STATE-OF-THE-ART ELECTRICAL SYSTEMS FOR A NEW FUNCTION FACILITY

## CLIENT:

Spinelli Function Facility,  
Lynnfield, MA

## CONTRACTOR:

Delvecchio Construction Company

## ARCHITECT:

Aharonian & Associates

## PROJECT COST:

\$475,000



**When the Roberto family, a successful catering and function hall provider, decided to expand their business and build a larger, more modern function hall, they chose Bent Electrical Contractors to install the electrical systems.**

The 30,000-square-foot Spinelli Function Facility in Lynnfield (MA) was designed to be a modern, tastefully appointed facility that would cater to weddings, parties, conventions, and business meetings. The design featured seven function rooms and four full-service kitchens, two walk-in cold rooms, two walk-in freezer rooms, and a pastry and food store. The architect had designed the overall building's electrical systems, and an interior design firm planned the kitchen equipment layout and placement of chandeliers and other electrical lighting fixtures. It was Bent's role to properly incorporate both designs to meet the owner's expectations. Bent's project manager had worked on a previous re-modeling project at the Roberto family's East Boston facility and understood their requirements.

## ADDING VALUE TO ELECTRICAL SYSTEM DESIGN

The owners wanted the new facility to be constructed in time for the holidays and the big millennium New Year's Eve celebrations, which were six months away. The owners believed that Bent's experience and familiarity with their operation would greatly benefit the entire design and construction team. Bent was able to solve some of the challenges presented by the electrical and lighting system design. The facility design featured custom-built chandeliers that were key showpieces for the facility, but were very heavy. Bent coordinated the efforts of the structural engineer and manufacturer to ensure that the structural supports for the chandeliers were properly located and designed to carry the chandeliers' considerable weight.

*"Your completion of this challenging project (the electrical, fire alarm, and computer systems for a new, state-of-the-art function facility) within our tight time frame was truly remarkable! It was a pleasure to work with your staff; they were professional and accommodating at all times. Our magnificent facility is a testament to your company's project management abilities and to your crew's quality workmanship and dedication."*

—Jeanie Giuggio,  
Operations Manager, Spinelli Function Facility





### SCOPE OF INSTALLATION:

- Electrical service
- High voltage wiring and pole top connections to utility systems
- New pad mount exterior transformer
- Power and lighting distribution systems to each floor
- Lighting fixture and dimming control systems
- Emergency and exit lighting systems
- General and special use power systems
- Addressable fire alarm system
- Voice and data systems
- Emergency call system
- Video intercom system
- Security system
- Kitchen equipment power and connections
- Cold room and walk-in freezer power and connections
- HVAC system power and connections
- Sprinkler system power

Bent also recommended a re-design of the lighting controls. The original design featured stand-alone wall box dimmers in each room. These wall box units would have been unsightly and difficult for the staff to use, so Bent recommended an easy-to-use computerized master dimming control system that uses handheld LCD touch screen, preset, multi-scene lighting controllers that plug into an outlet.

During the construction of the project, a power failure at the job site inspired the need to incorporate an onsite standby emergency generator. The project budget did not allow for the cost of a generator at that time, so Bent re-designed the distribution system feeders so that they could be connected to a future emergency power generator. They also installed the necessary underground conduits to the future generator pad location to avoid future excavation of the parking lot. This not only saved the owner money, but the generator can be added at any time without major disruption to their operations.

### MEETING A TIGHT CONSTRUCTION SCHEDULE

Issues with the site's soil conditions and foundation caused some delays in the installation of the new structural elements, requiring an accelerated schedule for the electrical work. Bent worked in a skillful and timely fashion to install the systems without sacrificing quality or safety. The facility was completed one day before the first function was to be held. **The quality work by Bent Electrical Contractors on this project was cited for excellence by the Associated Builders and Contractors.**

**Contact Bent Electrical Contractors today at  
617-628-0831 or [info@bentelectric.com](mailto:info@bentelectric.com).**

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