



# **CSI ENGINEERING**

**HVAC • ELECTRICAL • PLUMBING • FIRE PROTECTION**

## **Sarah Mandell Electrical Engineer, LEED AP**

### ***EDUCATION***

Northeastern University, BS, Electrical Engineering

Ms. Mandell is an Electrical Engineer at CSI Engineering with over 5 years of building electrical systems experience, including site surveys, code reviews, system assessment, energy analysis, building design and construction administration of electrical systems. Ms. Mandell has performed these services for K-12 schools, colleges, hospitals, industrial facilities, office buildings, a variety of municipal and transportation-related buildings and numerous other types of facilities.

### **RELEVANT EXPERIENCE**

#### **College Facilities**

##### ***MIT University Building 26, Cambridge, MA***

Plumbing/Fire Protection design and construction administration for the retrofit of three laboratory spaces for MIT University.

##### ***Fitchburg State College, Fitchburg, MA***

Extensive electrical lighting survey was conducted for the existing Parking Lot lighting conditions of twelve campus parking lots. A complete evaluation report was submitted to the University, containing existing parking lot lighting levels, fixture conditions, and suggested improvements for each specific parking lot. This included new lighting fixtures, layouts, and associated calculations and foot candle levels required to maintain proper lighting levels.

##### ***Andover West Middle School, Andover, MA***

Conversion of outdated split bus emergency panelboards to a new upgraded emergency generator system that complies with current code requirements. Upgrade and design of the Auditorium's lighting and controls.

#### **Housing Facilities**

##### ***Glenridge Senior Living, Atkinson, NH***

Electrical design for three new senior living apartment buildings including emergency generator.

##### ***Barressi Heights, Bates Towers, & Bishop EID Elderly Housing, Fall River, MA***

Electrical renovations to existing Fall River Housing Authority elderly housing for the addition of ADA toilet rooms.

##### ***Hyannis Hostel, Hyannis, MA***

Electrical design for the retrofit of three existing buildings being converted into hostel style buildings.

##### ***Boston Housing Authority Franklin Field, Dorchester, MA***

Electrical design support for the renovation of the existing central domestic hot water plant for over 300 apartments.

## **Education Facilities**

### ***Andover West Middle School, Andover, MA***

Conversion of outdated split bus emergency panelboards to a new upgraded emergency generator system that complies with current code requirements. Upgrade and design of the Auditorium's lighting and controls.

## **Municipal Facilities**

### ***State Police Facility, Medford, MA***

Electrical design for the renovation of the State Police Barracks in Medford, MA.

### ***EMS Facility, Colebrook, NH***

Electrical design for a new Emergency Services building in New Hampshire.

### ***GSA US Citizenship and Immigration Services, Bedford, NH***

Electrical design for a new two story Immigration building in New Hampshire.

## **Commercial**

### ***TNT Fireworks, Londonderry, NH***

Electrical design for a new fireworks store fit out.

### ***Lunette Optics, Dedham, MA***

Electrical design for a new eyeglass store within the Legacy Place Mall in Dedham, MA.

### ***PDA Golf Club House, Portsmouth, NH***

Electrical design for a two story club house

### ***730 Eastern Ave Electric Vault, Malden, MA***

Complete electrical design for a new Main Electric vault.

## **Restaurants**

### ***Alma Nove Restaurant, Hingham, MA***

Electrical design for a new restaurant within the Hingham Shipyard development.

### ***Aquataine Restaurant, Dedham, MA***

Electrical design for a new restaurant within the Legacy Place Mall in Dedham, MA.

### ***Metropolitan Club Restaurant, Dedham, MA***

Electrical design for a new restaurant within the Legacy Place Mall in Dedham, MA.

### ***J.P. Licks, Dedham, MA***

Electrical design for a new ice cream parlor within the Legacy Place Mall in Dedham, MA.

### ***Temptations Cafe, Brookline, MA***

Electrical design for a new restaurant within the Legacy Place Mall in Dedham, MA.

### ***RiRa Irish Pub, Portsmouth, NH***

Complete electrical design with new incoming service for a historical renovation converting two of the oldest banks in New England to an Irish Pub/Restaurant. The facility was brought up to current codes while maintaining the historical integrity of the building as well as complying with the owner and architects requirements. Design included lighting design and power design for a full kitchen, dining room, and bar area.

### **Healthcare Facilities**

#### ***Interventional Spine Medicine, Rye, NH***

Renovations and additions to an existing building in order to accommodate a high tech patient treatment facility. Electrical design included new service, emergency backup power, lighting design, and calculations for anticipated future needs upon expansion to an ambulatory facility.

### **Laboratory Facilities**

#### ***Charles River Labs, Wilmington, MA***

Complete electrical design with emergency generator backup system and switchboard for a three story laboratory support facility focused on preclinical services, and clinical services to the biomedical market.

### **Banks**

#### ***Salem CO-Operative Bank, Methuen, MA***

Electrical design for the new single story bank

#### ***Provident Bank, Exeter, NH***

Electrical design for the new single story bank

#### ***Riverbank, Derry, NH***

Ground up construction project for a new bank facility. Project consisted of a new incoming service from the local utility, coordination with the Architects for general power requirements, interior lighting package, and site lighting, as well as coordination with the bank equipment manufacturer for specific power and communication requirements.