

SOMERVILLE HIGH SCHOOL

**Powering One of Massachusetts'
Largest Public Schools**



Project Highlights:

- Large institutional rooftop solar installation
- Public school facility
- Commercial electrical contractor for the PV system
- Multi-trade construction coordination
- Complex rooftop electrical installation
- Built in partnership with Solect Energy
- Greater Boston, Massachusetts

Project Overview

BD Electrical & Solar was selected by Solect Energy as the electrical contractor for the rooftop solar installation at the new Somerville High School. This landmark educational facility features one of the largest rooftop solar arrays in the Greater Boston area, helping offset the school's energy consumption while supporting the City's commitment to sustainability. Working as part of the construction team, BD Electrical & Solar performed the electrical installation for the photovoltaic system, coordinating with multiple trades throughout the construction of this state-of-the-art educational campus.

Scope:

Our work included:

- Commercial PV electrical installation
- DC homerun installation
- Conduit and raceway installation
- Inverter and equipment connections
- AC electrical distribution
- Equipment terminations
- System commissioning support
- Coordination with the general contractor and project team

The Challenge

The Somerville High School project required careful coordination on an active multi-trade construction site with strict scheduling requirements. The building's expansive roof featured multiple elevations, mechanical penthouses, and architectural setbacks, requiring detailed planning for conduit routing and electrical infrastructure.

As a public school project, maintaining construction quality, documentation, and adherence to project specifications was critical throughout every phase of the installation.

Results

The completed rooftop solar installation now provides clean renewable energy for one of Massachusetts' premier public education facilities, reducing utility costs while supporting the school's long-term sustainability goals.