

400A MULTIFAMILY SERVICE UPGRADE & ADU



Location: Somerville, MA

Project Overview

BD Electrical & Solar completed a major electrical upgrade for a two-family property in Somerville, Massachusetts as part of the addition of a new accessory dwelling unit (ADU). The existing 200A electrical service was upgraded to a 400A service to support the expanded property. The project included new service equipment, metering for the additional dwelling unit, and complete electrical wiring for the new ADU.



The Challenge

Adding another dwelling unit to an existing multifamily property significantly changed the building's electrical requirements. The existing 200A service needed to be evaluated against the additional load and reconfigured to properly serve three separate living spaces.

Working within an existing older Somerville property also required integrating the new electrical infrastructure with the building while maintaining a clean exterior installation.

The Solution

BD upgraded the property from 200A to 400A service and installed new multi-position metering equipment, including a dedicated meter for the new ADU.

Our scope also included the electrical wiring for the ADU, creating a complete electrical infrastructure capable of supporting the expanded property.

The work included:

- 200A to 400A electrical service upgrade
- New multifamily meter equipment
- Dedicated electrical metering for the ADU
- Service entrance and distribution modifications
- Complete ADU electrical wiring
- Coordination of the new electrical infrastructure with the existing building



Results

The completed 400A service provides the capacity and distribution infrastructure required for the existing two-family residence and newly added ADU.

For property owners considering an ADU, condominium conversion, multifamily renovation, or electrification upgrades, this project is a strong example of why the electrical service should be evaluated early in the design process