

## ENGINEERING ADVANTAGE



### IN-HOUSE SERVICES:

- Electrical Engineering
- Civil Engineering
- USGBC LEED® expertise
- Design/assist/build document creation
- Integrate drawings and construction coordination/detail drawings
- Recommend cost-effective materials based on extensive vendor catalogs
- Conduct short circuit/coordination studies and write arc flash reports
- Coordinate on-site MEP efforts

With in-house engineering and detailing departments comprised of more than 60 people, our resources rival those of standalone engineering firms. We are a true provider of turnkey electrical solutions—from design to delivery. As a single-source Design/Build electrical contractor, CEI delivers high-quality results at a competitive price.

### ENGINEERING DEPARTMENT

Our in-house team of electrical and civil engineers, drafters and CAD operators can design any electrical project conceivable and work closely with our project management and field installation teams to streamline the construction process. We can even simultaneously design and build projects, if needed. With decades of Design/Build project experience under our belt, we've developed better installation methodologies that typically yield faster results at a lower price.

### BIM/VIRTUAL DESIGN & CONSTRUCTION

Our Building Information Modeling (BIM) team maximizes pre-construction efforts by visually defining a project prior to construction so that conflicts are identified early, and adjustments are made with minimal impact. From field sketches to BIM, installation drawings and as-builts, we get the job done right and provide the highest-level of BIM documentation each project needs. We have a deep understanding of when and how to leverage Virtual Design and Construction technology so that we make the construction process smoother and faster, not just more expensive.