

Manufacturing Resources

Delivering Results for Industrial & Commercial Facilities

Your industrial or commercial facility has unique engineering needs that extend beyond processes and products—from fire protection, HVAC, electrical, and plumbing systems to water and wastewater considerations, site planning, and more. At CP Engineers, Architecture & Environmental Services we offer multi-discipline expertise and customized solutions to help you address your most complex engineering challenges.

Backed by an integrated methodology that considers the market, the environment, and the community, we always have our finger on the pulse of local happenings that could affect your project. Plus, when you partner with us, you get one-on-one attention from a single point of contact with specialized knowledge who will address your precise needs—without adding undue complexity or stress.



CONTACT US TODAY!

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Our expertise spans the following facility types:

- Commercial Real Estate
- Manufacturing
- Warehouses
- Hazardous material storage
- Boiler plants
- Chiller plants
- Wastewater treatment plants



Offices Located in:

Sparta, NJ • Parsippany, NJ • State College, PA

www.cpengineers.com

Our comprehensive portfolio of services includes:

Mechanical Systems

- Heating, ventilating, and air conditioning systems including chillers and cooling towers
- Boiler conversions and energy saving systems
- Chiller modeling, design and energy optimization studies
- Piping system hydraulic analysis
- Gas piping

Design Services

- Evaluations
- Calculations
- Environmental Permitting
- Construction Documents



Architecture

- Building design and retrofit
- Existing conditions surveys
- Space planning
- Building code analysis
- Roofing - Analysis/Studies
- Roofing - Replacement/Maintenance
- Construction Administration
- Post-Occupancy



Site Concerns

- Site plans
- Flood control and drainage
- Irrigation systems
- Sidewalks and curbs
- Parking lots
- Environmental permits and approvals
- Barrier-free design
- Zoning ordinance review
- Traffic



Electrical Systems

- Building electrical distribution systems (low & medium voltage)
- Uninterruptible power systems
- Standby/emergency generators
- Telecommunications
- Building and site lighting
- Sports lighting
- Lightning protection systems
- Fire alarm and security systems
- Fire protection systems



Structural Evaluations

- Structural Analysis
- Design of New Construction
- Design Review
- Renovations, Additions and Restorations
- Foundation Design
- Retaining Wall Design
- Pilings
- Loading Docks
- Sanitary and Drainage Structures



Construction Services

- Contract administration
- Construction oversight



Plumbing Systems

- Potable water
- Process
- Sanitary
- Boiler piping
- Chilled water
- Gas piping

