

2025.26

BROCHURE

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833 312 3837

EDUCATION



DesignTeq

M.E.P.F.P

ENGINEERING

DESIGN

SERVICE

We are Engineers and
we provide solutions.



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EDUCATION

About Us

As engineers, we've come to realize that the most impactful creations, the ones that truly shape the future, don't just come from individual brilliance alone but from finding the right partner. Someone who has not just complementary skills but also embraces a shared vision, is a bedrock of unwavering integrity, and has the courage to pursue audacious dreams. That is who we are, and that is what we do. This understanding is the very foundation of our company.

Our professional identity is built on the belief that engineering is not just about solving problems but is also about fostering reliance. We want our clients to trust in our solutions & processes and we cultivate that trust through open communication by keeping them informed every step of the way, fostering a collaborative environment, and ensuring transparency.

We are passionate about bringing your aspirations to life. For us, engineering is the art of transforming abstract concepts into tangible realities. When you partner with us, you're not just hiring engineers but you're also gaining dedicated partners who are committed to understanding your needs, embracing your vision, and working tirelessly to make your dreams a reality.

Introduction

We at DesignTeq understand the need to deliver resilient and adaptable infrastructure that supports diverse learning styles and future growth. We do this through the integration of design practices and technologies that ensures the MEP.FP systems that are implemented are discreet, reliable, and contribute positively to an environment where learning and innovation can thrive safely and economically for decades to come.

At DesignTeq, we don't just provide solutions. We provide innovations that are centered on creating sustainable and technologically advanced learning environments.



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Objective

We aim to create sustainable and adaptable MEP.FP systems for educational institutions and foster environments that enhances learning and innovation, with a goal of expanding our portfolio to national-level education projects.

Sector Specialization

We specializes in creating sustainable and adaptable MEP.FP systems that supports the evolving needs of educational facilities.

Differentiators

- Emphasis on sustainable design.
- Expertise in laboratory systems.
- Focus on creating flexible learning spaces.
- Integration of technology.
- Long-term value engineering.



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MEP.FP Engineering Design Services

We provide code-compliant general design services for standard building projects as well as specialized and innovative MEP.FP engineering solutions that is tailored for complex structural and design environments.

Mechanical Engineering

GENERAL DESIGN SERVICES

Heating, Cooling, Ventilation, and Air Distribution System Design, Energy-Efficient HVAC Design, and more.

SPECIALIZED DESIGN SERVICES

Specialized Exhaust & Ventilation Systems for Labs, BAS Upgrades, Central Plant Design, Boiler Plant Design, Chiller Design, Cooling Tower System Design.



Electrical Engineering

GENERAL DESIGN SERVICES

Lighting and Control System Design, Safety and Security Design, Power Distribution, Emergency System, Data Communication Design, and more.

SPECIALIZED DESIGN SERVICES

Classroom Technology Integration, Access Control System, Intrusion Detection System, Laboratory Design, and more.



Plumbing Engineering

GENERAL DESIGN SERVICES

Domestic Water and/or Sanitary Waste Systems, Laboratory Plumbing, Chemical Waste System, Vent System, Hot Water Equipment Design, and more.

SPECIALIZED DESIGN SERVICES

Acid Waste Neutralization, Laboratory Gas System, Laboratory Plumbing, Chemical Waste System, and more.



Fire Protection

GENERAL DESIGN SERVICES

Sprinkler System, Fire Alarm System, Laboratory Fire Suppression, and more.

SPECIALIZED DESIGN SERVICES

Dry Pipe Sprinkler System, Pre-Action Sprinkler System, Kitchen Fire Suppression System, and more.



CPS - Florence Nightingale

Florence Nightingale Elementary School, part of Chicago Public Schools, is located in the Gage Park neighbourhood and serves students from Pre-Kindergarten through 8th grades. The school is known for its warm and friendly atmosphere, highly trained staff, and supportive community, and is dedicated to fostering a positive and effective learning environment.

Construction starts in the summer of 2025 and we are excited to contribute to this critical enhancement to support a better learning environment.

PROJECT SPECIFICATION

- LOCATION: Chicago, Illinois
- SERVICE PROVIDED: MEP.FP
- AREA: 1,500 SF
- YEAR: 2025



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CPS - Southside Occupational Academy



CPS - Frank W. Reilly Elementary School



CPS - Ogden International School of Chicago

TESTIMONIAL

“

Throughout every phase of the project, DesignTeq has exhibited reliability, thorough understanding of codes and a dedication to bringing value to both the design and the project team.

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FIRMIN S. SENGA AIA, NCARB, NOMA, LEED, AP, BD+C

Architect
Senga Architects

We are DesignTeq and we help build dreams!



Eduardo Sanchez, P.E.
Founding Principal

Eduardo employs a hands-on approach involvement to every project from conception through completion.

Eduardo is a building code and safety protocol specialist who has an extensive experience in the education, commercial, retail, healthcare, industrial, and residential sector.



Neil Mantala
Founding Principal

Neil advances engineering excellence in every project they handle through his seamless integration of MEP design as a whole.

Neil specializes in mechanical and plumbing engineering system related to healthcare, commercial, educational, religious, hospitality, retail, and residential sector.



Chris Richter
Chief Strategy Officer

Chris joined DesignTeq bringing with him his 20 years+ of industry experience. His understanding of the industry ecology led him to develop various innovative ways in navigating work-based dynamics to guarantee a successful project.

Chris specializes in Education, Healthcare, Life Science and Pharmaceutical related projects.



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AFFILIATIONS

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)

ASPE (American Society of Plumbing Engineers)

NFPA (National Fire Protection Association)

ComEd EESP (Energy Efficiency Service Provider)

MBE (Minority Business Enterprise, Chicago)



DesignTeq

Get in touch for a more expansive list of our education experience, or to discuss a project partnership.

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