

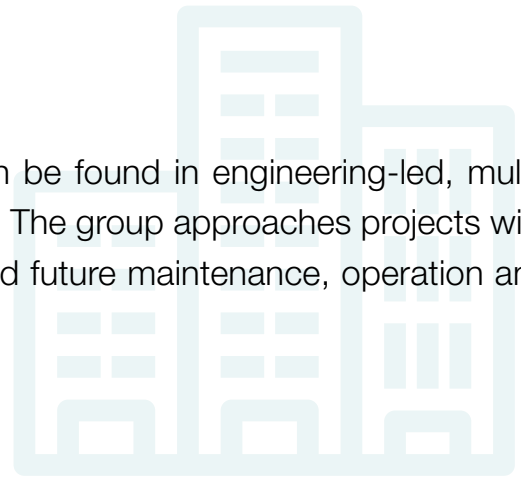
BUILDINGS



Borton  Lawson
ENGINEERING | ARCHITECTURE

BUILDINGS

The value of the Borton-Lawson Buildings group can be found in engineering-led, multi-disciplined projects for campus or multi-facility clients. The group approaches projects with an eye toward building life cycle, energy efficiency and future maintenance, operation and growth.



PLANNING

Our architects and engineers provide advanced planning for space usage, building systems and upgrades to assist owners with regulatory compliance, deficiency mitigation and capital budgeting.

▶ Site Optimization

- Environmental Impact Review
- Land Use Analyses
- Stormwater Impact Strategies
- Traffic, Parking and Circulation Studies
- Utility Master Planning

▶ Space Planning & Programming

- Existing Space Analysis
- 3D Building Scanning
- Medical Planning
- Helipad Planning
- User Group Meetings
- Execution of PA Dept. of Education PlanCon Process
- ANSI/BOMA Calculations
- Campus Planning

▶ Energy Alternatives

- Combined Heat and Power (CHP)
- Energy Auditing and Forecasting
- Grant Writing Assistance
- Preliminary Energy Modeling
- Sustainable Infrastructure

BUILDING DESIGN

The Borton-Lawson design process, developed with long-term facility operation in mind, stresses building performance, objective data-driven decision making and owner-professional communication.

▶ Engineering

- Structural
- Mechanical/HVAC
- Plumbing
- Fire Protection
- Electrical
- Data/Security

▶ Architecture

- Building Information Modeling (BIM)
- Code Compliance and Analysis
- Department of Health Consulting
- Hazardous Materials Assessment

▶ Sustainable Design

- LEED Expertise
- Enhanced Commissioning (Cx)



CHEVROLET

CONSTRUCTION

Our construction support services include traditional construction administration services to monitor compliance with design documents and owner project requirements (OPR). Additionally, our team offers third-party, peer review and constructability services.

- ▶ Change Order Mitigation
- ▶ Commissioning
- ▶ Constructability/Review
- ▶ Value Engineering
- ▶ Design-Build Teaming

OPERATIONS & MAINTENANCE

Engineering and design solutions to support institutional and campus facility missions. With a focus on operational continuity, our team includes facility managers, controls professionals and licensed electricians.

▶ Operations

- Emergency Power Solutions
- Energy Usage Analyses/Savings
- Facility Needs Assessment
- Life Cycle Costing
- MEP Building Infrastructure Cataloging
- MEP ROI Payback Analysis
- Retro-commissioning

▶ Maintenance

- Arc Flash Analysis
- Deferred Maintenance Planning
- Overcurrent Protective Device Coordination
- Predictive Maintenance (Thermography)
- Short Circuit Analysis

Geisinger



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