

STRENGTHEN YOUR PENN STATE TEAM WITH



5 OFFICES (PA, DE, NJ, MD) | **32 EMPLOYEES**

21 TOTAL ENGINEERS | **13 PEs** | **8 PSU A/E GRADUATES**



BAKER INGRAM STRUCTURAL ENGINEERS offer **REAL ADVANTAGES** for your next Penn State pursuit.

WHAT MAKES BI&A DIFFERENT? Our engineers bring valuable experience with Penn State priorities from our recent work on two significant University Park projects.

EXPERIENCED PSU DESIGN LEADERS



LAWRENCE R. BAKER, JR., PE
PRINCIPAL

42+ years of experience, including all BI&A Penn State work, and major projects for more than 18 higher education clients, including Drexel, Syracuse, and Villanova Universities.



BRADLEY R. KIRKHAM, PE
LEED GREEN ASSOCIATE
SENIOR STRUCTURAL ENGINEER

15+ years of experience, including Penn State's Chemical and Biomedical Engineering Building and the Henning Building Replacement project.

PSU PROJECT EXPERIENCE



UNIVERSITY PARK

- Chemical & Biomedical Engineering Building (Former Fenske Lab)
- Henning Building Replacement

YORK CAMPUS

- Classroom building (renovations)
- Entrepreneurial Leadership Center at the Graham Center (New Construction)

DESIGN EXPERTISE VALUED BY PENN STATE

LEAN Design, Design Assist and Integrated Project Delivery \$200M in PSU Projects

WE USE A3s

We understand current PSU Design expectations. Our on-going Penn State work has involved **LEAN design, Design Assist, and Integrated Project Delivery**. We bring experience with **Target Value Design, Cluster Groups**, and many other design and delivery methods that focus design efforts to produce buildings on time and under budget.

CURRENTLY IN DESIGN

Henning Building Replacement Penn State University Park

New facility to replace the 62,000-square-foot Henning Building, home to the Veterinary and Animal Science departments. The project will accommodate future departmental growth, offer new laboratory and office configurations, and provide greater flexibility in space usage.

CURRENTLY IN CONSTRUCTION

Chemical and Biomedical Engineering Building, Penn State University Park

A new six-story, 194,500-square-foot home for the departments of Chemical Engineering and Biomedical Engineering to open in 2019. It will feature specialized chemical engineering laboratories, offer student collaboration spaces, and support project-based education.



RECOGNIZED FOR STUDENT ENGAGEMENT



BI&A is known for enhancing academic experiences for Penn State students.

- **Conducted presentations to students** in Architectural Engineering 475 class at PSU University Park on the structural engineer's role in the design and construction of steel structures.
- **Consistently hire PSU students** for summer internships and full-time employment.
- **Provided tours of PSU projects** highlighting structural challenges and solutions.

A DEEP HIGHER ED PORTFOLIO

BI&A has completed **more than 250 higher education projects**. Projects have included new construction, additions & renovations, structural assessment and feasibility studies.

BUILDING TYPES INCLUDE:

- **Residence Halls**
- **Laboratories, Science & Research Centers**
- **Student Centers**
- **Sports & Wellness Facilities**
- **Natatoriums**
- **Classroom Buildings**
- **Agricultural Buildings**
- **Libraries**

COMPREHENSIVE STRUCTURAL SERVICES



- Field surveys, building diagnostics, and analysis
- Coordination for sampling and testing of materials
- Preparation of engineering reports
- Schematic, design development, and final engineering services
- Preparation of construction documents
- Estimation of construction cost
- On-site review during construction

Contact Ann M. Leiner, Director of Business Development,

to learn more about using BI&A as your Structural partner for Penn State projects.

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