

Justin B. Strauser

Structural Option

Pennsylvania State University



Earth & Engineering Sciences Building

University Park, PA

Project Overview:

- ❖ 4 Story Educational/Laboratory Facility
- ❖ 106,000 Sq. Ft. Floor Space
- ❖ Houses College of Engineering and College of Earth & Mineral Sciences
- ❖ Construction: TBA
- ❖ Project Cost: TBA

Project Team:

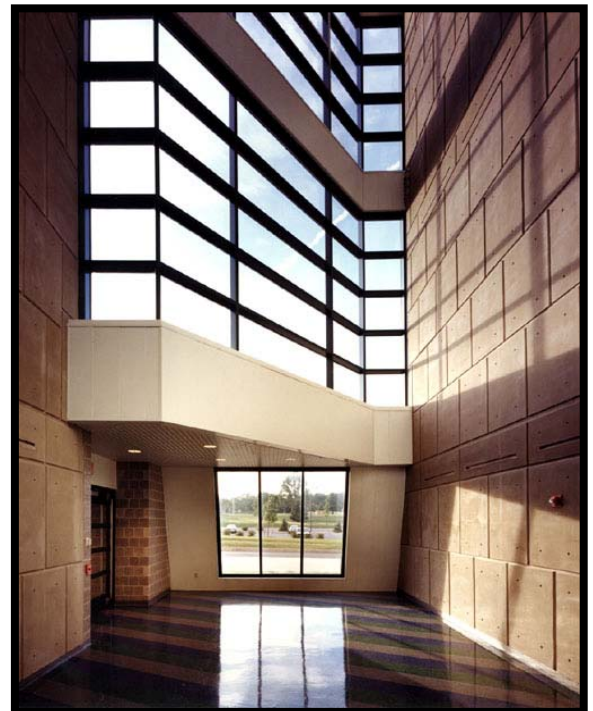
- ❖ Owner: Pennsylvania State University
- ❖ Architect: Herbert Beckhard & Frank Richlan
- ❖ Structural/MEP Engineers: L. Robert Kimball
- ❖ General Contractor: Leonard S. Fiore Inc.

Architectural:

- ❖ Natural Lighting is Main Theme
- ❖ Windows Represent Diverse Functions
- ❖ Grand Lobby Unites Separate Wings

Structural:

- ❖ Foundation: Concrete Footers/Grade Beams/Slab on Grade
- ❖ Superstructure: Steel Columns Encased in Concrete/Steel Girders & Beams
- ❖ Floor: Concrete Slab on Composite Metal Deck
- ❖ Envelope: Precast Concrete Panels/ Brick Infill/ Concrete Screens



Electrical/Lighting:

- ❖ 12.47KV-480/277 Volt, 3 Phase-3 Wire with Ground
- ❖ 240/120V Emergency Electric System
- ❖ 208/120V 3 Phase- 4 Wire Secondary Voltage
- ❖ Lighting is Predominately Fluorescent

Mechanical:

- ❖ 5 Air Handling Units
- ❖ Reverse Osmosis Unit
- ❖ Chilled Water Available in All Labs