

# BANNER PIKE SHOPS

## Project Overview

- Location: State College, PA
- Size: 10,900 SF
- Estimated Cost: \$15,200,000
- Schedule: Jan, 2005– Jan, 2006
- Delivery Method: General Contractor
- Function Type: Multi-Store Shops

## Project Team

- Owner: Jules Patt (Developer)
- Architect: Kasun Architect
- General Contractor: Leonard S. Fiore
- Civil Engineers: Keller Engineers, Inc.
- Structural Engineers: Fando, White, & Associate
- Fire Protection: D.C. Goodman & Sons, Inc
- Geotechnical Engineers: CMT Laboratories Inc.

## Architectural Features

The mall is divided into two sections: the new shell building containing two large stores (Bed Bath & Beyond, ROSS Dress for Less), and combination of smaller shops (14 in quantity).

The building itself is concaved in toward the parking space of the mall – better view of the stores and form a space within space.

The exterior entrance doors are uniform throughout the shops.

## Structural

- Wall footings - 6" with 1' of thickness (4" rod reinforcing)
- Slab on Grade - 4" of thickness (one layer of 6" x 6" #8 WWF)
- Column footings - 10"x10" in a grid formation (40' apart from each other)
- Steel joists - W16 x 26 typical welded to continuous plate
- Metal roof deck - 1-1/2" deep, No. 22 gage, wide rib, type B
- Roof load capacity - 35 psf of snow load

## Electrical/Lighting

### Power Distribution:

- 120/208, three phase, four wires
- 120/208 and 277/480 volts panelboards
- 480 volts circuit breaker (64,000 amperes)

### Lighting:

- General Electric and Sylvania
- Incandescent with 125 volts, fluorescent, mercury vapor HID, metal halide HID, high pressure sodium HID

## Mechanical

### HVAC System:

- Air Handling Units located on the rooftop of each shop (# of AHUs ranges from 2–9)
  - Each store is served separately

### Fire Protection:

- Wet pipe sprinkler system (majority)
- Semi exposed heads for maximum expose

THE PENNSYLVANIA  
STATE UNIVERSITY

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CONSTRUCTION MANAGEMENT

 Leonard S. Fiore, Inc.  
GENERAL CONTRACTOR