

# Recreation Hall Wrestling and Fitness Center University Park, Pennsylvania



## Project Team

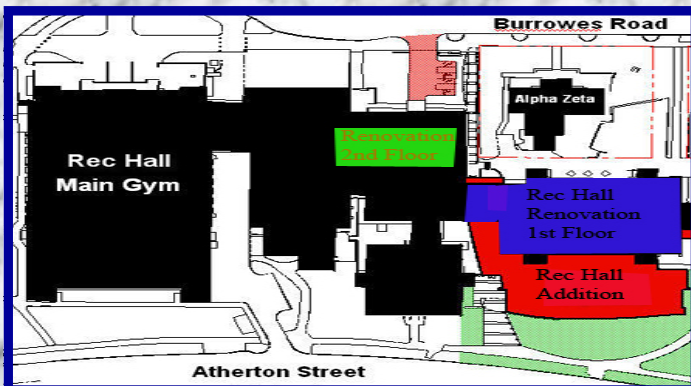
- ◆ Owner: The Pennsylvania State University
- ◆ Architect/Engineer: L. Robert Kimball and Associates
- ◆ Construction Manager: Gilbane Building Company

## Architectural Features

- ◆ A curved glass curtain wall encloses the main face with veneer brick enclosing the remainder of the building
- ◆ Mezzanine level encompasses half of the addition foot print
- ◆ A grand stair case connects the addition to the existing building
- ◆ A decorative trellis at the rear of the building will lead occupants into the existing building

## Mechanical System

- ◆ 4 AHU's - 8,000 CFM/Unit
- ◆ 4 Fan Coil Units in spaces located in the renovation area
- ◆ Utilizes campus steam line through a steam-to-heating hot water converter.
- ◆ Cooling system is fed off of main campus chilled water distribution feed, which is supplied from an on campus



## Project Summary

- ◆ Size:
  - ⇒ Addition: 19,794 ft<sup>2</sup>
  - ⇒ Renovation: 28,587 ft<sup>2</sup>
- ◆ Construction Cost: \$13.15 million
- ◆ Project Delivery Method: Fast Track

## Structural System

- ◆ Foundation: Mini piles, pile caps, piers, grade beams and load bearing foundation walls
- ◆ Above Grade: Structural steel with concrete slab on metal deck
- ◆ Roof: Acoustical metal decking with a single ply membrane roof system

## Lighting/Electrical

- ◆ 480/277 main utility feed
- ◆ Existing switchgear replaced with a 100A, 480V, 3Ø switchboard.
- ◆ A 60A, 277V, single phase emergency power panel will be connected to the existing campus emergency distribution loop
- ◆ Direct-Indirect fixtures with dimmable ballasts in the new Student Fitness Center
- ◆ High Bay compact fluorescent fixture in the renovated Wrestling Room

**Chad Illig**  
Construction Management