

# University of Delaware Center For The Arts Newark, DE

## Project:

Owner: University of Delaware  
Architect: Ayers / Saint / Gross  
CM: Whiting Turner  
MEP Engineer: Mueller Associates  
Structural Engineer: McLaren Engineering Group  
Civil Engineer: Tetra Tech  
Acoustical Consultant: Kirkegaard

## Structural:

Concrete Spread Footings and 5" concrete slab on grade  
2" isolation joint at performance space walls  
Steel columns at lobby and seating support  
Rectangular concrete columns at typical interstitial spaces  
Concrete slabs floor construction supported by concrete walls or steel beams  
Concrete roof slab on metal deck supported by steel structure



## Building Description:

Performing arts center which includes a proscenium theatre, recital hall, music rehearsal hall, theatre rehearsal room, practice rooms and administrative offices.

## Mechanical:

Steam Heating and Chilled Water cooling provided via campus central distribution systems  
6 AHU's located on 2<sup>nd</sup> level  
Gas-fired steam generator to provide year round humidity control

## Electrical:

Supply: 1600A, 480Y/277V, 3PH, 4W  
Transformers: (13) 480V Delta to 208Y/120V, 3PH, 4W  
Emergency Generator located in adjacent parking garage

## Construction:

Size: 92000 SF  
Stories: 2 Above Grade  
Delivery Method: Design-Bid-Build  
Total Cost: \$36.2 Million  
Construction: June 2004 – May 2006



*Karen Schulte*

*Mechanical Option*

<http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/kes242/>