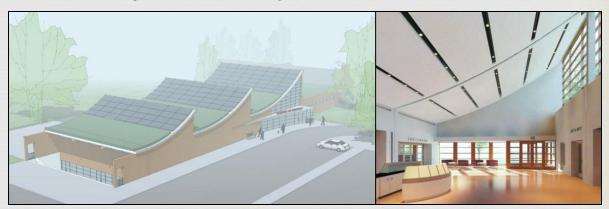


Lancaster History.org

Lancaster County's Historical Society & President James Buchanan's Wheatland



PROJECT OVERVIEW

Owner: LancasterHistory.org

General Contractor: Benchmark Construction

Centerbook Architects Architect:

Structural Engineer: Gibble Norden Champion Brown

Civil Engineer: **David Miller & Associates**

MEPF Engineer: Altieri Sebor Wiebor

Project Cost: \$13.5 Million

32,068 SF | 34 Feet Size & Height:

MECHANICAL SYSTEM

- DOAP with enthalpy wheel & 3 VAV ACU's
- Natural-gas high efficiency condensing boiler
- Open-loop water to air geothermal system

ELECTRICAL/LIGHTING SYSTEM

- 1600 Amperes 120/240 Delta, 3 phase, 4 wire MDB
- Eleven 120/240V panel boards feeding the buildings systems
- Artificial lights are almost exclusively LEDs or Fluorescents
- Photovoltaic system
- 80kW 100KVA generator

FIRE PROTECTION SYSTEM

- 500 GPM split-case fire pump
- Laser smoke detection w/ wet & dry sprinkler systems

ARCHITECTURAL FEATURES

- Saw-tooth roof with 3 clerestory windows
- Brick veneer facade
- Renovation (14,121 SF):
 - Expanded library & reading room
 - Rare book room
- Addition (19,755 SF):
 - Research facilities & archival
 - **Exhibition galleries**
 - Multi-use educational auditorium.
 - Collection storage & conservation
- LEED Gold Certified rating

STRUCTURAL SYSTEM

- Cast-in-place concrete column footings, slab on grade and foundation walls
- Precast hollow core plank at ground level
- CMU shear walls
- HSS 12X8X1/2 columns
- W12X16, HSS 12X8X1/2, 16X8X1/2 & 14X6X1/2 beams
- W12X40 girders
- Arced Glulam beams & LVL rafters



ERIC R. BUCKWALTER **Construction Management**