



# COPPIN STATE UNIVERSITY

## HEALTH & HUMAN SERVICES BUILDING BALTIMORE, MARYLAND



### PROJECT TEAM

Owner - University of Maryland, Baltimore

Client - Coppin State University

CM- Barton Malow Company

Architect - Design Collective, Inc.

Structural Engineer - Hope Furrer Associates

MEP Engineer - RMF Engineering

Civil Engineer - Site Resources, Inc.

### STRUCTURAL

Framing - ASTM A992 Structural Steel

Facade - Glazed Aluminum Curtain Wall, Storefront.  
Face-Brick Veneer in Masonry Cavity, Cast Stone  
Panels, & Insulated Metal Panels

Foundation - 400 psi Concrete Caissons and Grade  
Beams

Decking - Composite Metal Deck with 3" 3500 psi  
Reinforced Lightweight Concrete Slab

Roofing - Metal Screen, EPDM Single Ply Membrane &  
Hot- Fluid Applied Roofing

### MECHANICAL & ELECTRICAL

Mechanical - (2) 1200 GPM 400 ton Cooling Towers  
(7) Air Handling Units ranging 1200 - 28000 CFM  
(1) 1500 CFM Make-Up Air Handling Unit  
(2) 6700 MBH Natural Gas Boilers  
(2) 400 ton Chillers  
VAV Boxes with Reheat Coils and Baseboard Heating

Electrical - 3000A, 480/277 Volt, 3-Phase 4-wire  
Service with 400kW Emergency Back-Up Generator

\*Overhead Connector Bridge for Pedestrians connects  
the Future South Campus HUB for  
Telecommunications and Water Service with the  
Existing Coppin State Campus

### PROJECT FEATURES

Function - Academic

Size - 150,000 sq. ft.

Estimated Cost - \$48.6 million

Dates of Construction - January 2006 - June 2008

Delivery Method - CM at Risk - Soft GMP

Project Houses - Child-Care Demonstration Suite One  
story section on the south end Lecture Halls, Meeting  
Rooms, Offices, Outpatient Health Clinic, Research  
Labs, Moot Courtroom, Forensic Lab & Overhead  
Connection Bridge

\*First Building on South Campus

CORINNE AMBLER ● ARCHITECTURAL ENGINEERING ● CONSTRUCTION MANAGEMENT

SPONSORED BY BARTON MALOW COMPANY & DESIGN COLLECTIVE, INC.

[HTTP://WWW.ARCH.E.PSU.EDU/THESIS/EPORTFOLIO/2007/PORTFOLIOS/CRA140/](http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/cra140/)