



UMBC Performing Arts & Humanities Facility

1000 Hilltop Circle, Baltimore, MD 21250

Project Overview:

Owner: University of Maryland, Baltimore County
Architect: Grimm & Parker Architects/William Rawn Associates, Architects, Inc.
MEP Engineer: Mueller Associates, Inc.
Structural Engineer: ReStl Designers, Inc./LeMessurier Consultants, Inc.
Civil Engineer: Site Resources, Inc.
General Contractor: Whiting-Turner Contracting Company
Total Height: 4 stories + basement
Building Area: 90,000 gsf
Cost: \$67,000,000
Construction Dates: 07/01/2010 - 06/30/2012



Architectural Feature:

Building Façade:

Brick Veneer
 Curtain Wall
 Stainless Steel Wall Panels
 Aluminum Composite Metal Panels

Space for Various Departments:

2 Theatres
 Studios
 Scene Shops
 Academic Spaces

**LEED Certified—Silver Rating

Structural System:

Foundation:

Spread footing with allowable bearing capacity ranging 3-10 ksf

Structure:

1. Steel Framing System w/ W-shape steel members w/ load ranging from 25-490k
2. Concrete Framing System ; 2000-5000psi
3. Structural Masonry Block System - all concrete masonry units to be hollow weight w/ 2000psi minimum strength

Façade:

Brick Veneer
 Curtain wall system with 8" aluminum framing w/ 1" insulating glass
 Stainless steel wall panels
 Aluminum composite metal wall panels w/ corrugated metals

Roof:

Built up roof with tapered rigid insulation
 Built up roof without tapered insulation
 Energy Star Thermoplastic roofing membrane

Construction Logistics:

Phase 1 - Opening Fall 2012

Performing Arts:

275 Seat Proscenium Theatre
 120 Seat Black Box Theatre
 Theatre Rehearsal and Acting Directing Studios
 Scene Shops & Performance Support Spaces
 Academic & Faculty Spaces for the Department of Theatre
 Arts Management Offices

Humanities:

English Department Offices, Classrooms and Labs
 James T. and Virginia M. Dresher Center for the Humanities
 Linehan Artist Scholars Program
 20 & 40 seat Academic Classrooms
 Humanities Scholars Program

*Also upgrades to the existing Central Utility Plant and a concrete structure/tunnel connecting the existing Plant Tunnel to the new Performing Arts Facility.

Phase 2 - In Design Phase

Lighting/Electrical System:

General illumination Fluorescent lighting w/ T5 lamps
 Main transformer is part of substation with 3000 KVA
 (1) switchgear: 4000A, 480Y/277V, 3 phase, 4 wire
 (2) switchboards: 3200A, 208Y/120V, 3 phase, 4 wire
 1600A, 480Y/277V, 3 phase, 4 wire

Mechanical System:

23 Fancoil Units
 8 Air Handling Units
 VAV Systems
 Energy Recovery Ventilators & AHU Energy Wheels
 Radiant Panels & Finned Tube Radiation
 Central Plant supplies heating and cooling

