

STREET 2110 Blue Ridge Road Raleigh, NC 27607-6494  
MAIL 4630 Mail Service Center Raleigh, NC 27699-4630  
TEL 919.839.6262 FAX 919.733.8034 WEB [ncartmuseum.org](http://ncartmuseum.org)



## MUSEUM EXPANSION: DESIGN AND CONSTRUCTION FACT SHEET

### PROJECT

The **North Carolina Museum of Art** (NCMA), sited in a 164-acre park in Raleigh, has completed an expansion comprising a unique blend of art, architecture, and nature. The centerpiece is a new 127,000-square-foot, light-filled building designed by New York-based architects **Thomas Phifer and Partners**. The single-story structure, surrounded by gardens and courtyards, was created specifically to showcase the Museum's wide-ranging permanent collection. The project enables the NCMA's 1983 East Building, designed by Edward Durell Stone (1902–78), to become a center for temporary exhibitions, education, public programs, and events, as well as space for collections management and other administrative functions. The two Museum buildings are located on a campus of softly rolling hills edged by woodland. Monumental works of sculpture and artist-conceived environmental projects are sited throughout this landscape, which also includes an outdoor amphitheater created in collaboration with artist Barbara Kruger in 1977 and trails for walking and biking.

### REOPENING

April 24, 2010

### PROJECT COST

New West Building Construction: \$72.3 million  
East Building Renovation: \$7.6 million  
Courtyards, Gardens, and Pools: \$4.5 million  
Pond Improvement Project: \$1.8 million

### DESCRIPTION

With more than 65,000 square feet of exhibition space, the North Carolina Museum of Art's new building provides a significantly larger home for the Museum's important collection as well as a new restaurant, retail store, and other visitor amenities.

The building—clad in tall anodized aluminum panels interspersed with large areas of glass—subtly reflects the surrounding land and sky. Its distinctive roofline is defined by a rhythmic series of curves that expresses a system of vaults and coffers that bring copious amounts of tempered and filtered daylight into the building. The expansive plaza linking the new and existing architecture with the landmark amphitheater features a new entry garden articulated with a striking allee of trees. Visitors may also enter the building through doors from the garden courtyards, further linking the interior and exterior.

The museum's interior of white-oak floors and white walls reflects the daylight entering through the ceiling skylights and glass walls that comprise almost fifty percent of the exterior. Scrims in the ceiling oculi are calibrated to meet the lighting

requirements for particular kinds of artwork, while fabric curtains on the glass walls are of three different densities, ranging from nearly opaque to diaphanous, and can be drawn and parted as needed to protect the artwork and enhance viewing conditions. In addition, roll-down shades enable a complete black-out of natural light. All window coverings are in shades of white.

Five courtyards, each of which seems to enter the building, breach the perimeter of what would otherwise be a rectangular structure. All are visible through glass walls, and all but one are accessible directly from the sculpture hall, as well as from the outdoors. The courtyards feature sculpture, landscaping, rock gardens, reflecting pools, and outdoor seating areas.

### **CHANGES TO EXISTING (EAST) BUILDING**

Upon completion of its renovation, more than 15,000 square feet of East Building gallery space formerly devoted to the collection will be transformed into galleries for special exhibitions—doubling the available exhibition space.

The East Building will also include an expanded box office and renovated lobby that will visually connect it to the West Building. It will also be the site of the NCMA's popular family and public programs, its administrative offices, library, and expanded art-storage facilities.

### **PROJECT TEAM**

#### **North Carolina Museum of Art Staff and Consultants**

Lawrence Wheeler, Director  
Daniel Gottlieb, Director of Planning and Design

Design Architect: Thomas Phifer and Partners, New York  
Partner in Charge: Thomas Phifer  
Project Partner: Gregory Reaves  
Project Architect: Gabriel Smith  
Project Team: Adam Ruffin, Katie Bennett, Christoph Timm, Jon Benner, Kerim Demirkan, Len Lopate, Eric Richey, Joseph Sevene, Danny Taft

Architect of Record: Pierce Brinkley Cease + Lee, Raleigh, NC  
Partner in Charge: Clymer Cease, AIA  
Project Partner: Jeffrey Lee, FAIA  
Project Architect: David Francis, AIA  
Director of Construction Administration: Mac Nance  
Project Team: Nelson Tang, Matt Konar, Juliette Dolle, Henry Newell, David Lehman, Jennifer Olson

Landscape Architect: Lappas + Havener, PA, Durham, N.C.  
Principal in Charge: Walter R. Havener, RLA,  
Project Team: Grayson Buar, RLA, Associate, Anja Pohlens, Senior Designer, Jesse Turner, RLA

Project Consultants  
Structural Engineer: Skidmore, Owings & Merrill LLP, Chicago, IL Project Team: William F. Baker PE, SE, FIAIA; Dmitri Jajich SE, PE; David Horos SE, PE, LEED AP; Alessandro Beghini, Phd, PE; Margaret Wtorkowski

Mechanical Engineer: Altieri Sebor Wieber LLC, Norwalk, CT  
Andrew J. Sebor, P.E., Principal

Michael A. Freliech, P.E., Principal—HVAC  
Jeffrey Leavenworth, P.E., Associate—Chief Electrical  
David Lussier, Associate—Fire Protection  
Kristen Shehab, Project Engineer—HVAC  
Mariusz Zakrzewski, Electrical Project Engineer  
Brian Cherevko, Field Engineer

Local MEP Engineer: Stanford White, Inc., Raleigh, NC

Specifications: Aaron Pine CSI, Morganville, NJ

Acoustics: Creative Acoustics, LLC; David Greenberg Lighting Design: Fisher Marantz Stone, New York, NY  
Paul Marantz, Margo Wiltshire, Paula Martinez-Nobles

Natural Lighting Design: Arup, London and New York  
Director: Andrew Sedgwick  
Lighting Designer: Matt Franks

Civil Engineering: Steven Blake, CE, Artifex-ED, Inc, Denver, CO; Kimley-Horn Associates, Raleigh, NC

Construction Manager: Barnhill – Balfour Beatty, a joint venture, Raleigh, NC

Subcontractors:

Curtains: Mary Bright Inc. New York, NY

Fiberglass Ceiling Coeffers: Fibertech Columns Inc., Central, SC

Louvers: Unicell Architectural Corp., Quebec

Aluminum Cladding: LinEl Signature, Mooresville, IN

HVAC and Plumbing: Ivey Mechanical, Raleigh, NC

Electrical: Watson Electric, Raleigh, NC

Fire Protection: ABL Fire Protection

Site work: Faulconer Construction, Cary, NC and Valley Crest Landscaping, Durham, NC

Millwork: Triangle Casework, Raleigh, NC

Glass: SPS Corporation, Raleigh, NC

Masonry: Whitman Masonry, Benson, NC

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## **Press Information**

In North Carolina: Alesia DiCosola, North Carolina Museum of Art, (919) 664-6795;  
adicosola@ncartmuseum.org

Outside North Carolina: Jeanne Collins & Associates, LLC, New York City; (646) 486-7050;  
info@jcollinsassociates.com