



Fact Sheet

NEW PHILADELPHIA CAMPUS DESIGN

Project Description	The Barnes Foundation's new 93,000-square-foot building in downtown Philadelphia, designed by Tod Williams Billie Tsien Architects, provides significant new facilities for the Foundation's core programs in art education, as well as for temporary exhibitions and visitor amenities. At the same time, the legendary Barnes art collection is presented within a 12,000-square-foot gallery that replicates the dimensions and shapes of the original Merion spaces, as well as the founder's conception of a visual interplay between art and nature. The building is the first major addition to the Benjamin Franklin Parkway in more than 60 years.	
Location	2025 Benjamin Franklin Parkway, Philadelphia, PA (A four-and-a-half-acre city block bounded by the Parkway, Pennsylvania Avenue, 20th and 21st Streets)	
Barnes Foundation Leadership	Derek Gillman, Executive Director and President Bernard C. Watson, Chairman, Board of Trustees Joseph Neubauer, Vice Chair, Board of Trustees Aileen Roberts, Chair, Building Committee, Board of Trustees Stephen J. Harmelin, Esq., Treasurer, Board of Trustees The Honorable Jacqueline F. Allen, Secretary, Board of Trustees	
Executive Architect	Tod Williams Billie Tsien Architects (TWBTA)	
Landscape Architect	OLIN	
Associate Architect	Ballinger	
Barnes Foundation Project Executive	William W. McDowell III	
Key Dates	September 10, 2007	Selection of architects
	October 7, 2009	Design unveiling
	November 13, 2009	Groundbreaking
	May 18, 2012	Building dedication
	May 19, 2012	Opening of the Barnes Foundation Philadelphia campus

Total Capital Campaign

\$200 million

Construction and related expenses: \$150 million

Endowment: \$50 million

Design Highlights & Features

Scheme

Standing two stories high with an additional level below grade and set within a four-and-a-half-acre landscape, the Barnes's Philadelphia building houses the Foundation's **Collection Gallery, classrooms and seminar rooms, an internal gallery garden, interior Light Court, a 150-seat auditorium, a special exhibition gallery, a painting conservation studio, a library, administrative offices, a full-service restaurant, coffee bar, and a gift shop.**

Scheme Dimensions

Total Campus	4.5 acres
Barnes Foundation building	93,000 s.f.
Collection Gallery	12,000 s.f.
Exhibition Gallery	4,300 s.f.
150-seat auditorium (+support)	3,200 s.f.
Court	7,800 s.f.
Education lobby (lwr lvl)	2,200 s.f.
Gallery Garden	570 s.f.
Classrooms (2)	575 s.f.each
Seminar rooms (2)	1,200 s.f.
Café (int. seating area only)	1,200 s.f.
Café support (inc. restroom)	1,000 s.f.
Terrace	5,300 s.f.
Conservation studio	1,700 s.f.
The shop	1,300 s.f.

Design

Conceived as a “**gallery within a garden and garden within a gallery,**” the design honors the original Barnes facility in Merion and provides visitors with a highly personal and contemplative experience. The design offers a series of outdoor rooms and spaces that unfold as visitors approach the building, passing through the **public gardens** en route to the entrance. A **translucent canopy** that appears to float above the stone building casts daylight onto a serene interior **court**. The canopy has an ethereal presence by day and glows like a welcoming lantern at night.

LEED Certification

On track to achieve LEED platinum (highest possible) certification for building.

Green Features

An 8,200-square-foot **infiltration basin** is located under the parking lot, allowing storm water to infiltrate back into the ground. A 14,300-cubic-foot **rain tank**, located under the parking lot, stores storm water and releases it into the City Storm System at a slow rate. Located under the East Plaza is a 40,000-gallon **cistern**, which collects rain water and supplies the **site irrigation system**.

Building Materials

Sustainable design utilizes **filtered natural daylight**, a **green roof**, **grey water re-use**, **reclaimed Pennsylvania and New Jersey wood** and other local materials. Façade features hand-tooled panels of textured grey-and-gold **Negev limestone** overlaid on **stainless steel skin** with bronze accents. **White oak and stone Gallery floors** with wood and glass windows.

Lighting and Window Design

The Collection Gallery possesses an **intelligent lighting control system** that **modulates the artificial and natural light** entering the windows and clerestories of each Gallery Room. Windows, clerestories, and lighting control system have been customized for each room, designed to respond to the appropriate light exposure level established in consultation with the Head Conservator, Head Curator, and lighting consultant – Fisher Marantz Stone Partners. Windows in the Gallery rooms eliminate all but 14% of the natural light through the use of **tinted and reflected glass layers**. When necessary, a combination of **exterior “solar-veil” shades** reduces the natural light a further 5% while an **interior “black-out” shade** can be deployed to eliminate daylight when the Gallery is closed to the public. **Photo sensors** directed at the walls within each Gallery Room measure the light levels and respond by first reducing the artificial light and then, if required, lower the exterior “solar veil” shades. A scale replica of the Rooms within the Collection Gallery sits on the roof where similar photo-sensors measure the exterior light levels and prevent the potential constant up and down motion of the shades when there is a partly cloudy day.

Configuration

First floor	Information/Entry Lobby, Light Court, Collection Gallery, Exhibition Gallery, Classrooms, Restaurant, Terrace
Lower level	Auditorium, Coffee Bar, Shop, Coat Room, Library, Seminar Rooms, Restrooms, Education Lobby
Second floor	Offices, Conservation Studio
Campus	Public Gardens, Plaza, Guest Services and Admissions Kiosk, Parking, Drop-Off Area

Collection Gallery

The natural light in the **Collection Gallery**, controlled through contemporary technology, reveals the true beauty of the Barnes Foundation’s unparalleled collection of **impressionist, post-impressionist and early modern paintings, African sculpture, Mediterranean and Asian antiquities, Native American ceramics, jewelry, and textiles, Pennsylvania German decorative arts, wrought iron implements**, and other important works.

Installation

The galleries contain their original educational “ensembles”—wall compositions organized by Dr. Barnes according to the principles of light, line, color and space. The Foundation’s seminal painting **Le Bonheur de vivre**, also called *The Joy of Life*, by Henri Matisse is now in an intimate gallery on the second floor with safe and improved viewing that maintains the visual relationship between this work and the Matisse mural **La Danse** (*The Dance*), commissioned by Dr. Barnes.

Landscape

The landscape design by OLIN references aspects of the Barnes Arboretum in Merion. A centerpiece is a **public park** on the site’s southeast corner. Inspired by the city parks of Paris, it provides a new public gathering space in Philadelphia, with an elegant **elongated table fountain** set amid gravel-surfaced **walkways and gracious wooden seats**. **London plane trees** on the site have been preserved and serve as a buffer between the building and the busy city.

The landscape features many varieties of trees, shrubs, ferns, vines, water plants, perennials and groundcovers, many of which were found at the Barnes Foundation’s original campus in Merion, Pennsylvania. Select species of trees include: **Asculus** species **Horsechestnut**, located along the Entry Plaza and south of the gallery (also part of the Merion campus); **Big Leaf Magnolia** species, located in the Café Gardens; and **Franklinia**, found in various locations. All three of these select species bloom in late spring. **Red Japanese Maple trees** are located along the Entry Walk and are in bloom year-round. The six varieties of **Fern** featured in the Philadelphia site were also part of the original Merion campus. All water plants located in the Entry Plaza fountain are various species of **Lilies**. Perennials and groundcovers that are in bloom year-round include: **Lily Turf**, **Sweetbox** and **Allegheny Spurge**. Shrubs include: **America Beautyberry**, **Glossy Abelia** and **Bottlebrush Buckeye**.

The Barnes Totem

A new 40-foot sculpture by **Ellsworth Kelly**, *The Barnes Totem*, made of bead-blasted stainless steel, was commissioned for the campus through the generosity of the Neubauer Family Foundation and will be installed in an **outdoor plaza** on the approach to the building’s entrance.

Furniture Design

Furniture within the galleries has been created by the woodworker *Stephen Iino* from New York, NY. Generous **walnut benches** are located in nearly all of the Rooms of the Collection Gallery. **Bolsters** double as housing for information cards designed by *Pentagram Design* in New York. In the first floor gallery classroom, a massive thirteen-foot-long **walnut table**, made from one sheet of wood, serves students and visitors alike who wish to pause and explore the Collection catalogs or speak about the experience of viewing the Collection.

The **couches in the Light Court**, intentionally arranged to form small group discussion alcoves, are designed by *Tod Williams Billie Tsien Architects* specifically for the Barnes Foundation and fabricated by *Knoll International*, headquartered in East Greenville, Pennsylvania. The leather bench of the couch is topped by a bolster wrapped in a woven African fabric made by Senegalese weaver *Aissa Dionne*.

New Gallery Room **chandeliers** have been designed by the Architects and lighting designer, *Fisher Marantz Stone*, to balance the artificial light in the center of the first floor rooms of the Collection Gallery. Fabricated by *Aurora Lampworks* in Brooklyn, New York, the chandeliers are delicate hand blown glass bowls, softly etched to diffuse the light into the room and suspended by bronze details.

The Shop

The Shop features a selection of handcrafted objects for the home and garden, artisanal jewelry, textiles, gifts, books, and print-on-demand fine art reproductions of favorite works from the collection.

Education Spaces

The Lower Level of the building houses a hub of educational spaces to supplement the teaching that takes place within the Collection Gallery. Centered on a generous lobby with comfortable seating and a library shelf of Collection books, visitors and students can access a 150-seat auditorium, two seminar rooms, a coffee bar, and a library that wraps the **Gallery Garden**. From the education lobby visitors can clear their head by stepping into the Gallery Garden for a breath of fresh air. Each education space is designed with discussion, lecture, and digital instruction in mind.

Library

The library is one wall of white oak shelves, containing the Barnes Foundation's circulating art book collection, and another wall of wood framed glass windows looking into the Gallery Garden. The floor in the library is 3" strip white oak like the lobby and the furniture is a mixture of solid oak custom millwork and manufactured tables by the *Wilkahn Group* with chairs by *Martin Van Severen*. A pair of *Hans Wegner* upholstered easy chairs beckon visitors to spend some time reading.

Auditorium

The 150-seat auditorium has a white oak floor in the seating area with German Renaissance Grey limestone flooring along the side seating wings and stage. The walls of the auditorium are primarily 6'x3' panels of Ramon Gold limestone in a linear chiseled finish interwoven with acoustic panels wrapped in dyed Belgian linen and white oak wood battens that help to break up sound reflection. The seating in the auditorium is from the Pitagora line of the *Poltrona Frau* Italian seating company. It is covered in a "cognac" colored Italian leather. The ceiling of the auditorium is a wool and plaster seamless acoustic panel called "Baswaphon." It is sustainable and sound-absorbing.

Dining Facilities

A **full-service restaurant** on the first floor that features outdoor seating and a sit-down **coffee bar** on the lower level both offer a seasonally changing menu emphasizing fresh, healthy options and locally sourced food, catered by *1st and Fresh*, a division of the Aramark Premier Catering Group.

Garden Restaurant

The Garden Restaurant, a 75-seat, modern, light-filled restaurant offers a seasonal à la carte menu as well as a wine list featuring an array of local, domestic, and international wines, and a variety of specialty cocktails. On Friday nights light fare and a special martini menu are offered. Reservations are not accepted. Seats within the restaurant are gray leather “Catifa” chairs by the Arper furniture company. The tables are solid oak manufactured in Philadelphia by a local millworker. A credenza for housing linens and menus along with an entry podium were handcrafted by Steven Iino, a woodworker from New York. The walls are hung with two handmade wool tapestries by *Claudy Jongstra*.

Hours:

Monday	8:30 am-5pm
Tuesday	Closed
Wednesday	8:30 am-5 pm
Thursday	8:30 am-5 pm
Friday	8:30 am-9 pm (last seating 8:30 pm)
Saturday	8:30 am-5 pm
Sunday	8:30 am-5pm

The Coffee Bar

The new Coffee Bar offers a casual, family-friendly, on-the-go menu featuring sandwiches, salads, snacks, desserts, cold beverages, and coffee. The bar is located on the lower level adjacent to the three-story, open-air interior garden. Reservations are not accepted.

Hours:

Monday	10 am-5:30 pm
Tuesday	10 am-5:30 pm
Wednesday	10 am-5:30 pm
Thursday	10 am-5:30 pm
Friday	10 am-9 pm
Saturday	10 am-5:30 pm
Sunday	10 am-5:30 pm

Office Space

Barnes Foundation offices are located on the second floor of the Pavilion distributed across two open spaces that encourage communication among the Collections, Education, and curatorial staff and the Administration, Development, and Communications staff. A group of conference and board rooms lie between the two sets of offices for large meetings and an accompanying visitor reception area.

TWBTA Project Team

Tod Williams
Billie Tsien
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OLIN Project Team

Laurie Olin
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Jen Toy
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Andrew Leach

Consultants

Fisher Marantz Stone, lighting consultants
Aegis Property Group, project managers
L. F. Driscoll, construction managers
Altieri Sebor and Wieber, MEP engineers
Severud Associates, structural engineers
Hunt Engineering, civil engineers
Hughes Associates, code consultant
Van Dusen Associates, elevator consultant
Acoustic Dimensions, acoustic and audio visual
Axis Group Limited, exterior wall consultant
Samuel Anderson Architects, conservation consultant architect
Charles Sparks and Company, retail designer
Schuler Shook, theater consultants
Dan Euser Waterarchitecture Inc., fountain consultant
Reginald Hough, concrete consultant
Irrigation Consulting Inc., irrigation systems
Ducibella Venter & Santore, Security consultant
Post & Grossbard, Food Service
Pentagram, graphics and wayfinding
Earth Engineering Inc, geotechnical