## Ann B. Barshinger Cancer Institute
Lancaster, PA

<table>
<thead>
<tr>
<th>SQ FT</th>
<th>100,000 BGSF</th>
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<tbody>
<tr>
<td>OWNER/AFFILIATION</td>
<td>Penn Medicine Lancaster General Health</td>
</tr>
<tr>
<td>ARCHITECT(S)</td>
<td>Ballinger</td>
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<td>COMPLETION DATE</td>
<td>2013</td>
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### ABOUT | DESIGN INTENTIONS

In response to a growing health system’s need for expanded oncology services, the Ann B. Barshinger Cancer Institute transformed and consolidated all services into a center for healing. The program for the 100,000 SF space includes exam/procedure rooms, physician offices and support staff workspace, patient/family consultation areas, a cancer resource library, state-of-the-art conference areas, an imaging center, a patient boutique, an infusion center, a healing garden, a meditation room and a children’s play area.

Effectiveness of care is the Hospital’s top priority, which is supported by the ability of the design to accommodate multidisciplinary teams implementing interdisciplinary concepts. An efficient layout and a strong technology backbone, including a gamma knife, will contribute to the project’s success.

### Effectiveness of Care

- Hospital’s top priority
- Ability of design to accommodate multidisciplinary teams
- Efficient layout
- Strong technology backbone

### Sources
- [Ann B. Barshinger Cancer Institute](https://architizer.com/projects/ann-b-barshinger-cancer-institute/)
- [Ballinger](http://www.ballinger.com/portfolio/lancaster-general-health/)
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Strategies

Visual relief
Glazed skins and multiple points of access provide a continuous dialogue between interior and exterior, creating a visually open environment that reduces anxiety and stress for patients who deal with serious and chronic illness.

Meditation pavilion
On one side of the Healing Garden is the Meditation Pavilion, which opens from the second floor hallway. This indoor contemplative space is framed by windows and faces a reflecting pool filled with large pebbles.

This is a deeply scientific, highly technologically advanced program embedded in a soft way that is accessible to people.

- Dr. Randall Oyer, medical director of the Oncology Program Barshinger Cancer Institute

Healing garden
Focused on regeneration and reconnection to living systems, the two-story expansion extends on a radial grid from a central courtyard healing garden. The garden offers contemplative spaces for patients and families to interact with nature and find comfort by the meditation pavilion.

Natural light
The spacious lobby is filled with natural light from the floor-to-ceiling windows that grace the entrance. Nearby, paintings of local artists hang in a glass-encased room, and an expansive wall of live green plants, grown hydroponically, serves as a backdrop to the reception area. The beauty and aesthetic of the lobby belies the cancer-fighting work that goes on just around the corner.

Lower concourse

Reflected pool

Healing garden

Meditation pavilion

Image Sources: http://www.ballinger.com/portfolio/lancaster-general-health/

Sources: http://aasarchitecture.com/2013/08/ann-b-barshinger-cancer-institute-by-ballinger.html
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Sources: https://architizer.com/projects/ann-b-barshinger-cancer-institute/

Note: “Departmental” Square footages take-off based on Analysis of Departmental Area in Contemporary Hospitals calculation methodologies & Design Factors Report, 2014
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TRAVEL DISTANCE ANALYSIS

Patient entrance to registration: 111 ft
Registration to diagnostic pod: 138 ft - 426 ft
Staff entrance to workcore: 237 ft - 566 ft

Elevator to radiology: 315 ft
Elevator to infusion pod: 287 ft - 476 ft

Case Study Format Developed By: AIA Academy of Architecture for Health | Research Initiatives Committee
PROJECT DISCIPLINE FROM AIA

Cancer is a traumatic and continuing illness where patients endure life altering diagnosis, iterative and prolonged treatment regimens and, increasingly, life-mending healing. The building design focuses on two primary concepts: 1) an interdisciplinary and patient-centric approach to cancer care and 2) connection and relationship to natural systems as catalysts in the healing process. The approach to the new facility takes the patient through landscaped grounds and across a bridge that is a metaphor for the challenge ahead.

PROJECT SUMMARY:

Project: Ann B. Barshinger Cancer Institute
Project location: Lancaster, PA
Owner/Client: Lancaster General Health
Architect: Ballinger
Construction manager: Benchmark
Landscape Architect: Jonathan Alderson Architects
Structural engineer:
MEP engineer:
Acoustics:
Photographs/Illustrations: Construction cost: $44 million
Building area GSF: 80,000 SF
Cost per square foot: $550
Construction start date: Substantial completion date: 2013

AIA/AAH DESIGN AWARD WINNER
Category: B
JURY COMMENTS

▶ The connection of the building program elements to the exterior landscape demonstrates how spatial constraints can be made transparent and yet comforting in very clinical settings.
▶ Bold gesture captures light for all patrons of this special purpose facility. The form creates both layers of privacy and connection to nature and light for both the caregivers and patients.
▶ Color palette and material selection is sophisticated yet comforting. The variety of spaces allows for individual selection and comfort.
▶ The design quality is consistent from building approach, through the public spaces and deep into the treatment areas. Both the plan and section diagram thoughtfully respond to the program elements and clinical care model.

CONNECTION TO DAYLIGHT

CONNECTION TO NATURE

WAITING AREA

INFUSION AREA