Agenda

Campus Context
Value Proposition
2026 Campus Plan

Site

Landscape

Stormwater Management

Building
Program
Building Signage

Sustainability

Experience
Campus Context
Through the renovations and addition to Guyot Hall building, the new Eric and Wendy Schmidt Hall will serve as a unified home to the Computer Science Department, Center for Statistics and Machine Learning (CSML), the Center for Information Technology Policy (CITP), and the Princeton Institute for Computational Science and Engineering (PICSciE). The new building will serve as a:

- Vibrant and interdisciplinary hub for computational thinking
- Intellectual and physical connection to every division of campus
- Place for serendipitous exchanges and scholarly partnerships.
- Welcoming and accessible hub to a diverse array of collaborators and visitors
- Functional, comfortable, attractive home for the resident faculty, students, and researchers
- Flexible and reconfigurable space accommodating growth and space evolution
- Building advancing the distinctive mission and identity of each unit while facilitating collaboration
Connectivity Vision of East-West Connector

FIGURE 3-1: East-West Campus Connector

- Node
- Potential building
- Longer-term opportunity site
- Existing movement corridor
- Enhanced movement corridor
- New movement corridor

PRINCETON UNIVERSITY
Connectivity Vision of East-West Connector
Campus-wide Pedestrian Routes
Landscape Design Proposed Open Spaces

- North Entry
- East/Washington Rd
- Level 1 Terrace
- Level B Courtyard
- West/Diagonal Walk
- South Entry/Goheen Walk
- First Campus Center
- UHS
- Jones
- Mccosh Health Center
- Guyot Hall
- Ew Connector
- Schulte
- Thomas
- Washington Rd
- Thom
- Ivy Ln
- Lewis Library
- Ivy Ln
Vehicular Access

LEGEND

- VEHICULAR ACCESS
- FIRE TRUCK ACCESS
- EXISTING LOADING DOCK TO REMAIN
- L

Shepley Bulfinch
Princeton University | Eric and Wendy Schmidt Hall
May 18, 2023
Site Accessibility

LEGEND
- ADA COMPLIANT PATH < 5% SLOPE
- ADA RAMP > 5% SLOPE WITH RAILING
- NON ADA COMPLIANT PATH
- BUILDING ENTRY
Bicycle Accessibility

LEGEND
- BICYCLE ACCESS ROUTE
- BUILDING ENTRY
Landscape
Paving Materials

- Porous Concrete Unit Paving
- CIP Concrete Paving Exposed Aggregate
- Asphalt
- Graded Aggregate Porous Pavement
- Cobblestone Paving
- Concrete Unit Paving on Pedestal
Porous Pavement
Bike Parking and Storage

EXISTING BIKE PARKING SPACE WITHIN PROJECT BOUNDARY = 64
BICYCLE SPACE PROVIDED:
(SI) SCHMIDT INTERIOR BIKE ROOM = 42
(SE) SCHMIDT EXTERIOR UNCOVERED = 116
PROPOSED BIKE PARKING SPACE TOTAL = 158

A UNCOVERED BIKE PARKING (EXTERIOR / SHORT TERM): 116 SPACES
B BIKE STORAGE (INTERIOR / LONG TERM): 42 SPACES
C EXISTING ADJACENT BIKE PARKING (EXTERIOR / SHORT TERM): 56 SPACES
Tree Removal Plan

TOTAL EXISTING TREES: 39
TOTAL TREES PRESERVED: 10
TREES OVER 8” DBH TO BE REMOVED BY SCHMIDT HALL: 9
TREE REPLACEMENT REQUIRED FOR SCHMIDT HALL: 9
TREES OVER 8” DBH REMOVED BY UTILITY PROJECT: 17
TREE REPLACEMENT REQUIRED FOR UTILITY PROJECT: 18
TREE REPLACEMENT REQUIREMENT: 27
Proposed Planting Plan

TREE REPLACEMENT REQUIREMENT: 27
TOTAL PROPOSED TREES: 61
TOTAL PROPOSED NON-NATIVE TREES: 3 (MAGNOLIA STELLATA)
TOTAL PROPOSED SHRUBS: 628
TOTAL PROPOSED GROUNDCOVER PLANTS: 46,710
Proposed Tree Species

**Acer rubrum (sun valley)**
RED MAPLE

**Liquidambar styraciflua**
SWEETGUM

**Liriodendron tulipifera**
TULIP POPLAR

**Nyssa Sylvatica**
BLACK GUM / SOUR GUM

**Cladrastis kentukea**
AMERICAN YELLOWWOOD

**Quercus phellos**
WILLOW OAK

**Quercus bicolor**
SWAMP WHITE OAK

**Liquidambar styraciflua**
SWEETGUM
Proposed Tree Species

Amalanchier arborea
DOWNY SERVICEBERRY

Amelanchier canadensis
CANADIAN SERVICEBERRY

Amelanchier laevis
ALLEGHENY SERVICEBERRY

Cercis canadensis
EASTERN REDBUD

Cornus alternifolia
PAGODA DOGWOOD

Cornus florida ‘eddies white wonder’
FLOWERING DOGWOOD

Cornus florida ‘rubra’
RED FLOWERING DOGWOOD

Chionanthus virginicus
WHITE FRINGETREE
Proposed Tree Species

- **Betula nigra 'BNMTF' TM**
  - **DURA HEAT RIVER BIRCH**

- **Sassafras albidium**
  - **SASSAFRAS**

- **Magnolia stellata**
  - **STAR MAGNOLIA**

- **Magnolia grandiflora**
  - **SOUTHERN MAGNOLIA**

- **Magnolia virginiana**
  - **SWEET BAY MAGNOLIA**
Proposed Shrub Species

Aesculus parviflora
BOTTLEBRUSH BUCKEYE

Aronia arbutifolia ‘brillantissima’
BRILLIANT RED CHOKEBERRY

Clethra alnifolia ‘ruby spice’
RUBY SPICE SUMMERSWEET

Clethra alternifolia
SWEET PEPPERBUSH

Hamamelis virginiana
AMERICAN WITCH-HAZEL

Hydrangea quercifolia
OAKLEAF HYDRANGEA

Ilex verticillata
WINTERBERRY

Itea virginica
VIRGINIA SWEETSPIRE

Lindera benzoin
SPICEBUSH
Proposed Shrub Species

- **Kalmia latifolia**  
  MOUNTAIN LAUREL

- **Physocarpus opulifolius**  
  COMMON NINEBARK

- **Rhododendron atlanticum**  
  COAST AZALEA

- **Rhododendron maximum ‘roseum’**  
  PINK ROSEBAY RHODODENDRON

- **Rhus copallinum**  
  WINGED SUMAC

- **Spiraea tomentosa**  
  STEEPLEBUSH

- **Rhododendron periclymenoides**  
  PINXTERBLOOM AZALEA

- **Vaccinium corymbosum**  
  HIGHBUSH BLUEBERRY

- **Rhus aromatica “Grow-Low”**  
  FRAGRANT SUMAC

- **Rhus copallinum**  
  WINGED SUMAC

- **Spiraea tomentosa**  
  STEEPLEBUSH

- **Vaccinium corymbosum**  
  HIGHBUSH BLUEBERRY
Proposed Groundcover Species

REPRESENTATIVE PALETTE

- *Amsonia hubrichtii*
  - BLUE STAR

- *Asarum canadense*
  - WILD GINGER

- *Carex socialis*
  - LOW WOODLAND SEDGE

- *Cornus canadensis*
  - BUNCHBERRY

- *Mertensia virginica*
  - BLUE BELLS

- *Muhlenbergia capillaris*
  - PINK MUHLY GRASS

- *Polygonatum multiflorum*
  - COMMON SOLOMON'S SEAL

- *Pachysandra procumbens*
  - ALLEGHENY SPURGE

- *Thelypteris noveboracensis*
  - NEW YORK FERN

- *Tiarella cordifolia*
  - FOAM FLOWER
Proposed Groundcover Species for Rain Gardens

- Osmunda regalis
  ROYAL FERN

- Tiarella cordifolia
  FOAM FLOWER

- Liatris spicata
  BLAZING STARS

- Tomentosa noveboracensis
  NEW YORK FERN

- Amsonia hubrichtii
  BLUE STAR

- Rudbeckia hirta
  BLACK EYED SUSANS

- Scullum
  LEGEND

- Rain Garden
Stormwater Management
Onsite Stormwater Management Campus Watersheds and Drainage System
Stormwater Management Existing Conditions
Stormwater Management Proposed Conditions
Stormwater Management

Subsurface Chamber Storage (Poe/Pardee Field)

Schmidt Hall

Poe / Pardee Field (Previously Approved)
Stormwater Management  Site Based Green Infrastructure

- Intensive Green Roof - Andlinger Center
- Bio-retention - Lakeside Housing
- Porous Pavers

10,800 SF total of permeable paving
Building
## Program Summary

### Assignable Area Summary

<table>
<thead>
<tr>
<th>Area</th>
<th>Assignable Area Summary</th>
</tr>
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<tbody>
<tr>
<td>Computer Science (COS)</td>
<td>61,354 ASF</td>
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<tr>
<td>Center for Information Technology Policy (CITP)</td>
<td>4,622 ASF</td>
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<tr>
<td>Center for Statistics and Machine Learning (CSML)</td>
<td>5,135 ASF</td>
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<tr>
<td>Princeton Institute for Computational Science and Engineering (PICSciE)</td>
<td>6,385 ASF</td>
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<tr>
<td>Shared Support (Lab and Meeting Space)</td>
<td>16,753 ASF</td>
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<tr>
<td>Shared Spaces</td>
<td>17,101 ASF</td>
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<tr>
<td>Total Project ASF</td>
<td>172,704 ASF</td>
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</tbody>
</table>

| Total Project Gross SF (GSF)                             | 228,861 GSF             |

### Approved Program

- **Eric and Wendy Schmidt Hall**: 37
  - May 18, 2023
  - May 18, 2023
Building Massing and Enclosed Garden A Complex of Loft Buildings
Building Massing and Enclosed Garden A Complex of Loft Buildings

Addition with hybrid mass timber and steel framing

Level B Courtyard

Level 1 Terrace

FRIST LAWN

UNIVERSITY HEALTH SERVICES

THOMAS LAB

SCHULTZ

MOFFETT

DIAGONAL WALK

GOMEN WALK

THOMAS LAB

WASHINGTON RD

LEWIS LIBRARY

Eric and Wendy Schmidt Hall
Program Distribution  Public Circulation and Collaboration
Building Signage  Location and Dimensions

Two building entry signs
Signage area: 16 SF maximum each

Building entry sign
Signage area: 16 SF maximum
Sustainability
**Sustainability Strategies**

**Carbon**
- Low carbon concrete
- Hybrid mass timber framing and decking

**Human Health & Wellness**
- Outdoor bike parking & indoor bike storage and changing area
- Enhanced six class healthier materials approach for interior finishes and furniture

**Site and Landscape**
- Stormwater Management with green infrastructure
- Intensive green roof at Terrace

**Systems**
- Hot and chilled water from campus geoexchange system
- Water efficient plumbing fixtures
- Building Addition will be solar ready for photovoltaic panels

**Envelope**
- High performance and airtight envelope at Guyot and Addition
- Bird safe glazing at Guyot and Addition
Experience
Guyot Hall Background

Guyot Hall’s Adaptive Reuse

- Adaptive reuse of the existing 1909 building
- Take advantage of unique location and identity
- Take advantage of the loft-like interiors -- narrow floor plates and abundant natural daylight
- Maintain the distinctive architectural character
- Modify the envelope to enhance energy performance
Guyot Hall Background

- **Repair** the existing facade and **enhance** thermal performance
- Create a **fully accessible** building
- Re-create the original central hall as the **public commons**
Guyot Hall Background

Close view of the southwest facade

Close view of the West Entry

Detail view of the grotesques
Guyot Hall Proposed Addition

- Guyot Hall’s **exterior is kept intact** with new windows for high thermal performance.
- **Universal access** to the Schmidt commons is provided through an interior ramp from the existing north entry.
- The Schmidt addition connects with half of the Guyot south façade to create **unified interior circulation** between the two structures while preserving most of the Guyot facades.
- Top floor of the Addition meets Level 3 of Guyot, **maintaining prominence of towers** and Guyot Level 4.
The character of Schmidt Hall will be contextual and distinctive to neighboring buildings including Guyot Hall and Schultz Hall.
Exterior Materiality  Schmidt Materials

Field Brick  Endicott Autumn Sands Brick or similar against Guyot Hall masonry

Inset Panel  Endicott Rose Blend Velour Thin Brick or similar against Guyot Hall masonry
Exterior Materiality Schmidt Materials

Field Brick Endicott Ivory Blend Velour Thin Brick or similar against Guyot Hall limestone

Inset Panel Endicott Ivory Blend Smooth Thin Brick or similar against Schultz Hall masonry
Exterior Materiality  Schmidt Materials

Field Brick  Endicott Ivory Blend Velour Thin Brick against Princeton University Chapel
Facade Design View from Diagonal Walk
West Elevation View from University Health Services
Facade Design South and Southwest Views
Facade Design  View of Southwest Entry
The Commons View Looking West
The Commons View Looking Northeast at the Entry Ramp
The Commons Terrace Access from the Addition
The North-South Commons View Looking at Monumental Stair
The Southwest Entry  View Looking North
Thank you