AGENDA

CALL TO ORDER

Chip Andrews, Chair, Buildings and Property Committee
Roll Call
- Reading of the State Government Ethics Act

1. MINUTES

Chip Andrews, Chair, Buildings and Property Committee
- Approval of November 16, 2017 meeting minutes 5.1.A

2. PROPERTY MATTERS

Harlan Stafford, Director, Real Estate & Development

- Acquisition by Lease: This Property is needed for the following reasons and purposes: North Carolina State University, on behalf of the Global Training Initiative, whose existing lease expires on November 30, 2018, is requesting to execute a new strategic office lease, with expanded square footage (+ 7,000 square feet) to accommodate growth, on or nearby Centennial Campus. 5.2.A.1

- Acquisition by Lease: This Property is needed for the following reasons and purposes: North Carolina State University, on behalf of the Computer Science Department & Visual Narrative Cluster, whose existing lease expires on October 3, 2018, is requesting to execute a new strategic office lease, with expanded square footage (+ 10,000 square feet) to accommodate growth, on or nearby Centennial Campus. 5.2.A.2

- Disposition by Lease: To ABB, Inc. for + 28,575 square feet consisting of office and highbay space in the Poulton Innovation Center, located at 1021 Main Campus Drive, Raleigh, NC. ABB is a significant tenant partner on Centennial Campus and the disposition is recommended for continued partnership with the University. 5.2.A.3

3. DESIGNER SELECTIONS

Doug Morton, Associate Vice Chancellor, Facilities

- Requires full board approval

Materials will be distributed to committee members at the meeting
• Daniels Roof Replacement 5.3.A.1
• Rigging Replacement Stewart Theater – Talley Student Union 5.3.A.2
• Approval of Designer Selections Less Than $1 million 5.3.A.3

4. ACCEPTANCE OF COMPLETED BUILDINGS AND PROJECTS TAB 4

Doug Morton, Associate Vice Chancellor, Facilities
• The University and Office of State Construction have accepted the attached list of completed buildings and projects with dollar values greater than $2,000,000. The University has accepted the attached list of completed buildings and projects with dollar values less than $2,000,000. All are recommended to the Buildings and Property Committee for formal acceptance. This listing represents buildings and projects received since the November 16, 2017 meeting.

5. PROPERTY MATTERS (Received after Full Board Mailing) TAB 5

6. SITE APPROVAL TAB 6

Lisa Johnson, University Architect
• Plant Sciences, Centennial Precinct 5.6.A.1

7. PLAN APPROVAL TAB 7

Lisa Johnson, University Architect
• Approval of Plans and Specifications of Formal Projects less than $2 million 5.7.A.1

8. INFORMATIONAL REPORTS TAB 8

• Capital Projects Update (Doug Morton) 5.8.A.1
• Status of Projects in Planning (Lisa Johnson) 5.8.A.2

ADJOURN
Minutes

Meeting No. 17-18: 1

Location: Winslow Conference Room

Time: 1:09 – 2:15 p.m.

Committee Members Present:
Mr. Chip Andrews, Chair
Ms. Jackie Gonzalez
Mrs. Ann Goodnight
Mr. Wendell Murphy
Dr. Ron Prestage
Mr. Ed Weisiger

Other Board of Trustees Members Present
Mr. Jimmy D. Clark

Present from the University:
Dr. Alan Rebar, Vice Chancellor, Office of Research, Innovation & Economic Development
Ms. Eileen Goldgeier, Vice Chancellor & General Counsel
Mr. Scott Douglass, Vice Chancellor, Finance and Administration
Mr. Douglas Morton, Associate Vice Chancellor, Facilities Division
Mr. Jeff Bandini, Associate Vice Chancellor, University Real Estate & Development
Mr. Brent McConkey, Assistant General Counsel, Office of General Counsel
Ms. Lisa Johnson, University Architect
Mr. Harlan Stafford, Director, University Real Estate & Development
Mr. Eric Hawkes, Director, University Recreation
Ms. Amy Mull, Assistant to the Chancellor for Communications
Ms. Cathi Dunnagan, Lead Instructional Designer, Center for Technology and Innovation
Dr. Carolyn Bird, Associate Professor, Agricultural & Human Sciences
Ms. Julia Brooks, Executive Assistant, Facilities Division
Ms. Melissa Young, Administrative Assistant, Office of the University Architect
Mr. Daniel Ziser, Technical Support Analyst, Facilities Division
Mr. Will Jackson, Technical Support Analyst, Office of Information Technology

CALL TO ORDER
Chair Andrews called the meeting to order at 1:09 p.m.

ROLL CALL
Andrews called the roll. All were present.
STATE GOVERNMENT ETHICS ACT
The chair reminded all members of their duty to avoid conflicts of interest and appearances of conflicts of interest under the State Government Ethics Act. He inquired as to whether there were any known conflicts of interest with respect to any matters coming before the Buildings and Property Committee at this meeting. The committee members indicated that they had no conflicts of interest or appearances thereof.

MINUTES
Chair Andrews asked whether there were any corrections to the September 21, 2017 meeting minutes. There being none, Andrews declared the minutes approved as drafted.

PROPERTY MATTERS
Andrews asked Mr. Stafford to present the one property matter that requires full board approval. They were:

✓ Disposition by Deed: This proposed exchange of real property between the State of North Carolina on behalf of NC State University and the Board of Trustees of the Endowment Fund of North Carolina State University for equal sized acreage on Centennial Campus is for the benefit of the University. The Endowment will receive acreage to be used to create public/private partnership opportunities related to new development on north Centennial Campus consistent with the master land-use plan. The new site, to be located on Centennial Campus near the intersection of Main Campus Drive and Oval Drive, is to be exchanged for an equal amount of Endowment-owned acreage in multiple locations on Centennial Campus. Final quantity, description, and exact location will be determined by survey and is expected to be approximately ± 23.5 acres.

Andrews called for a motion and a second to recommend to the full board approval of this item as outlined by Stafford. Dr. Prestage made the motion, which Mrs. Goodnight seconded. Andrews asked if there was any further discussion on the motion. There being none, he called for a vote. The motion passed.

DESIGNER SELECTIONS
Chair Andrews asked Mr. Morton to discuss the designer selections. Morton recommended approval of four designer selections less than $1 million dollars.

Andrews called for a motion and a second to recommend approval of the designer selections as outlined by Morton. Mrs. Goodnight made the motion, which Mr. Murphy seconded. Andrews asked if there was any further discussion on the motion. There being none, he called for a vote. He announced the motion passed.

ACCEPTANCE OF COMPLETED BUILDINGS AND PROJECTS
Chair Andrews asked Mr. Morton to present the completed buildings and projects for acceptance. Morton requested acceptance of eight completed projects listed with a combined value of $25.8 million, which included the Weisiger-Brown Parking Lot expansion and the Brooks Hall roof replacement.

Andrews called for a motion and a second to recommend acceptance as outlined by Morton. Mr. Weisiger made the motion, which Dr. Prestage seconded. Andrews asked if there was any further discussion on the motion. There being none, he called for a vote. He announced the
motion passed.

PLAN APPROVAL
Chair Andrews asked Ms. Johnson to present the plan approval for Carmichael Gym Addition and Renovation. Johnson said the $45 million Carmichael Gym Addition and Renovation demolishes an existing wing and will be replaced with new fitness and activity space, along with training areas, classroom and office space. The building will unify the existing Carmichael facility and create a single identity for the Carmichael Complex. The architectural design will be respectful of Talley, Reynolds, and the neighborhood. The east façade is the visual terminus of a view corridor along Cates Avenue. The project will contribute toward the implementation of the Cates Avenue Master Plan, displacing head in parking spaces to create a safer pedestrian crossing between the north entrance and Talley Student Union.

Chair Andrews called for a motion and a second to recommend plan approval for Carmichael Gym Addition and Renovation as outlined by Ms. Johnson. Dr. Prestage made the motion, which Mr. Weisiger seconded. Andrews asked if there was any further discussion on the motion. There being none, he called for a vote. The motion passed.

Chair Andrews asked Ms. Johnson to present the Plans and Specifications of Formal Projects less than $2 million. Johnson requested acceptance of six projects listed with a combined value of $4.1 million, which included Case Academic Center Dining Addition and Dearstyn Entomology and Avian Health Center HVAC upgrades.

Chair Andrews called for a motion and a second to recommend approval of the Plans and Specifications of Formal Projects less than $2 million as outlined by Ms. Johnson. Dr. Prestage made the motion, and Mr. Weisiger seconded.

INFORMATIONAL REPORTS
Chair Andrews recognized Mr. Morton to present the update for capital projects. Morton noted that the update is to provide committee members information from design to completion. The projects update included the Bureau of Mines and the aforementioned Carmichael Gym Addition and Renovation. Morton showed before and after photos of the Weisiger-Brown parking lot expansion.

Andrews recognized Johnson to provide an update on projects in planning. Johnson presented the update. She noted the committee would review exterior work for Plant Sciences and Bureau of Mines at the spring meeting.

Chair Andrews asked the committee if he could take a moment to thank Doug Morton for his presentation on the Campus Capacity Assessment Study. He expressed to Doug his gratitude for a job well done.

Chair Andrews recognized Doug Morton to explain to the committee and visitors about the walking tour to Brooks and Leazar Halls. Morton said this short walking tour is to show the committee some of the challenges we face regarding deferred maintenance. The committee and visitors proceeded to Brooks Hall, and were met by the Dean of the College of Design, Dr. Mark Hoversten, who accompanied them on the tour.

There being no additional business, the meeting adjourned at 2:15 p.m.
Respectfully submitted,

D. G. Morton
Secretary to the Committee

cc: Scott Douglass, Vice Chancellor, Finance & Administration
    P.J. Teal, Assistant Secretary of the Trustees

Approved: ____________________________

    Committee Chair                        Date
ACQUISITION
OF REAL PROPERTY

ACQUISITION OF REAL PROPERTY BY LEASE

LESSOR Venture Center, LLC

LESSEE The State of North Carolina, North Carolina State University

LOCATION Centennial Campus; 920 Main Campus Drive, Raleigh, Wake County, NC or other comparable property (location to be determined based on availability)

SIZE ± 7,000 rentable square feet

RATE Not to exceed $34.00 per rentable square feet = ±$238,000/year with 3% annual increases.

TERM Five (5) year renewal term with one (1) option to renew for five (5) years

USE To be used for office, classroom, and meeting space for Global Training Initiative, part of the Division of Academic and Student Affairs in the Office of Global Engagement
STATE OF NORTH CAROLINA
DEPARTMENT OF ADMINISTRATION
RALEIGH

* ACQUISITION OF REAL PROPERTY

Institution or Agency: North Carolina State University Date: January 8, 2018

The Department of Administration is requested, as provided by GS 146-22 et seq. to acquire the real property herein described by (purchase), (lease), (rental), or (other specify):

This Property is needed for the following reasons and purposes: North Carolina State University, on behalf of the Global Training Initiative, whose existing lease expires on November 30, 2018, is requesting to execute a new strategic office lease, with expanded square footage to accommodate growth, on or nearby Centennial Campus.

Name and Address of Present Owner: Venture Center, LLC c/o Heitman/VCAC Manager LLC, 191 N Wacker Drive, Suite 2500, Chicago IL 60606

Description of Property: (attach additional sheets if necessary).
920 Main Campus Drive, Raleigh, Wake County, NC or other comparable property (location to be determined based on availability); ±7,000 rentable square feet of office, classroom, and meeting space.

Term: Five (5) year renewal term with one (1) option to renew for five (5) years

Rental price (if applicable): Not to exceed $34.00 per rentable square feet = $238,000/year with 3% annual increases. Cost includes utilities, janitorial services, and required maintenance.

Funding: The lease costs will be paid utilizing incoming and reserve funds from internal and external sources (contracts, grants, and receipts)

Item: Acct. 376012 (among others) Other:

In the event the above described real property is not acquired, is there other real property available, owned by the State or otherwise, that you believe would, if acquired, fulfill the requirement of your agency? If so, give details. No.

Action, recommending the above request, was taken by the Board of Trustees and is recorded in the minutes thereof on _____________, 2018.

Signature ________________________________
Chancellor

* The term "real property" includes timber rights, mineral rights, etc. (GS 146-64)
ACQUISITION OF REAL PROPERTY

ACQUISITION OF REAL PROPERTY BY LEASE

LESSOR Venture Center, LLC

LESSEE The State of North Carolina, North Carolina State University

LOCATION Centennial Campus; 920 Main Campus Drive, Raleigh, Wake County, NC or other comparable property (location to be determined based on availability)

SIZE ± 10,000 rentable square feet

RATE Not to exceed $41.00 per rentable square feet = ±$410,000/year with 3% annual increases.

TERM Five (5) year renewal term with one (1) option to renew for five (5) years

USE To be used for office, classroom, and meeting space for Computer Science Department & Visual Narrative Cluster in the College of Engineering
STATE OF NORTH CAROLINA
DEPARTMENT OF ADMINISTRATION
RALEIGH

* ACQUISITION OF REAL PROPERTY

Institution or Agency: North Carolina State University
Date: January 8, 2018

The Department of Administration is requested, as provided by GS 146-22 et seq. to acquire the real property herein described by (purchase), (lease), (rental), or (other specify):

This Property is needed for the following reasons and purposes: North Carolina State University, on behalf of the Computer Science Department & Visual Narrative Cluster, whose existing lease expires on October 3, 2018, is requesting to execute a new strategic office lease, with expanded square footage to accommodate growth, on or nearby Centennial Campus.

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Description of Property: (attach additional sheets if necessary).
Venture Center, LLC; 920 Main Campus Drive, Raleigh, Wake County, NC or other comparable property (location to be determined based on availability); ±10,000 rentable square feet of office, classroom, and meeting space.

Term: Five (5) year renewal term with one (1) option to renew for five (5) years

Rental price (if applicable): Not to exceed $41.00 per rentable square feet = $410,000/year with 3% annual increases. Cost includes utilities, janitorial services, and required maintenance.

Funding: Lease costs will be paid utilizing account below.

Item: Acct. 201501 Other:

In the event the above described real property is not acquired, is there other real property available, owned by the State or otherwise, that you believe would, if acquired, fulfill the requirement of your agency? If so, give details. No.

Action, recommending the above request, was taken by the Board of Trustees and is recorded in the minutes thereof on ______________, 2018.

Signature ____________________________
Original Signature on File
Chancellor

* The term "real property" includes timber rights, mineral rights, etc. (GS 146-64)
# ACQUISITION OF REAL PROPERTY

## ACQUISITION OF REAL PROPERTY BY LEASE

<table>
<thead>
<tr>
<th><strong>LESSOR</strong></th>
<th>The State of North Carolina, North Carolina State University</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LESSEE</strong></td>
<td>ABB, Inc.</td>
</tr>
<tr>
<td><strong>LOCATION</strong></td>
<td>Centennial Campus; Poulton Innovation Center, 1021 Main Campus Drive, Raleigh, NC</td>
</tr>
<tr>
<td><strong>SIZE</strong></td>
<td>± 28,575 rentable square feet</td>
</tr>
<tr>
<td><strong>RATE</strong></td>
<td>$27.75/RSF/Yr, Full Service Rental Rate, escalating annually by 3% $15.00/RSF in Tenant Improvement Allowance Tenant responsible for utility and maintenance expense overage</td>
</tr>
<tr>
<td><strong>TERM</strong></td>
<td>Five (5) year term</td>
</tr>
<tr>
<td><strong>USE</strong></td>
<td>This disposition furthers programmatic connectivity between private firms locating on Centennial Campus and the University at large.</td>
</tr>
</tbody>
</table>
STATE OF NORTH CAROLINA
DEPARTMENT OF ADMINISTRATION
DISPOSITION OF REAL PROPERTY

Institution or Agency: North Carolina State University Date: January 4, 2018

The Department of Administration is requested, as provided by GS §146-28 et seq., to dispose of the real property herein described by purchase, lease, rental, or other (specify). Lease

This disposition is recommended for the following reasons:

Disposition by Lease to ABB, Inc. for +/- 28,575 rsf in the Poulton Innovation Center. ABB is a significant tenant partner on Centennial Campus and the disposition is recommended for continued partnership with the University.

Description of Property: (Attach additional pages if needed.)

+/- 28,575 total rentable square feet consisting of office and highbay space on Centennial Campus at Poulton Innovation Center, 1021 Main Campus Drive, Raleigh, NC

Estimated value: Initial year’s total annual rent is +/-$792,956.25 (escalating annually by 3%)

Where deed is filed, if known: N/A

If deed is in the name of agency other than applicant, state the name: N/A

Rental income, if applicable, and suggested terms:

Five (5) year term beginning on December 1, 2018 through November 30, 2023
$27.75/RSF/Yr, Full Service Rental Rate, escalating annually by 3%
$15.00/RSF in Tenant Improvement Allowance
Tenant responsible for utility and maintenance expense overage

Funds from the disposal of this property are recommended for the following use:

Centennial Campus Trust Fund for the furtherance of campus development

(Complete if Agency has a Governing Board.)

Action recommending the above request was taken by the Board of Trustees and is recorded in the meeting minutes thereof on _____________ (date).

Signature: ____________________________
Title: Chancellor

Original Signature on File
Daniels Hall Roof Replacement
Total Project Scope – $1,000,000 (Carry Forward)

09/29/17 Advertised in NC Purchase Directory

10/20/17 Closing date for submittals
(8 proposals received)

11/07/17 Appointment of Selection Committee
By Doug Morton, Secretary – Buildings and Property Committee

11/07/17- Selection Committee review:
12/06/17 NA, Trustee
Lisa Johnson, University Architect
Sumayya Jones-Humienny, Office of the University Architect
Lisa Maune, Capital Project Management
Greg Selzer, Capital Project Management
Others who assisted in review and short listing process

11/07/17 Short list recommendation by Selection Committee:
Raymond Engineering – Raleigh, NC
REI Engineering – Raleigh, NC
Terracon Consultants – Raleigh, NC

11/07/17 Short list approved by Robert F. Andrews

11/28/17 Pre-interview briefing of Designers

12/06/17 Designers interviewed. Recommendation in priority order:
Raymond Engineering – Raleigh, NC
REI Engineering – Raleigh, NC
Terracon Consultants – Raleigh, NC
Rigging Replacement Stewart Theater - Talley
Total Project Scope – $1,100,000 (Arts NC State Receipts)

09/19/17  Advertised in NC Purchase Directory

09/28/17  Closing date for submittals
           (4 proposals received)

10/30/17  Appointment of Selection Committee
           By Doug Morton, Secretary – Buildings and Property Committee

10/30/17-12/6/17 Selection Committee review:
           NA, Trustee
           Lisa Johnson, University Architect
           Steve Bostian, PE, Project Manager, Capital Project Management
           Cameron Smith, Director, Capital Project Management
           Bill Davis, Associate Director of Design, Capital Project Management
           Andrew Korhonen, Operation and Event Coordinator, University Theater
           TJ Willis, Associate Director, University Student Center
           Others who assisted in review and short listing process
           Charlie Marshall, Associate Director of Construction, Capital Project Management
           Pete Fraccaroli, Engineer, Housing Facilities Administration

11/01/17  Short list recommendation by Selection Committee:
           Design Line Studios, PLLC – Cary, NC
           Huffman Architects – Raleigh, NC
           Lynch Mykins Structural Engineers, PC – Raleigh, NC

11/01/17  Short list approved by Robert F. Andrews, III

11/08/17  Pre-interview briefing of Designers

12/06/17  Designers interviewed. Recommendation in priority order:
           Huffman Architects – Raleigh, NC
           Lynch Mykins Structural Engineers, PC – Raleigh, NC
           Design Line Studios, PLLC – Cary, NC
Approval of Designer Selections for Projects less than $1,000,000

**Note:** The projects below are submitted to the Trustees’ Buildings and Property Committee for formal approval of designer selections for projects less than $1,000,000 that are not on the OESAD list. This listing represents designers selected since November 16, 2017.

<table>
<thead>
<tr>
<th>Project</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Wheeler Road Conference Center</td>
<td>$49,500</td>
</tr>
<tr>
<td>Designer: HH Architecture</td>
<td>Fund Source: Receipts</td>
</tr>
<tr>
<td>Lake Wheeler Road Creamery Study</td>
<td>$13,650</td>
</tr>
<tr>
<td>Designer: MS Consultants, Inc.</td>
<td>Fund Source: CALS Trust Funds</td>
</tr>
<tr>
<td>CVM Main Building Dean’s Suite Renovation Study</td>
<td>$11,000</td>
</tr>
<tr>
<td>Designer: New City Design Group</td>
<td>Fund Source: CVM Appropriated Funds</td>
</tr>
<tr>
<td>Reynolds Coliseum Volleyball Study</td>
<td>$10,000</td>
</tr>
<tr>
<td>Designer: Davis Architects, Inc.</td>
<td>Fund Source: Athletics Trust Funds</td>
</tr>
<tr>
<td>Pullen Hall Way Finding</td>
<td>$10,500</td>
</tr>
<tr>
<td>Designer: Dimensional Innovations</td>
<td>Fund Source: Receipts/Housing Trust Funds</td>
</tr>
<tr>
<td>Eastern 4-H Boardwalk</td>
<td>$19,123</td>
</tr>
<tr>
<td>Designer: Albemarle &amp; Associates, Ltd</td>
<td>Fund Source: Appropriated</td>
</tr>
<tr>
<td>Central Electrical Distribution Ph. 1- Commissioning Services</td>
<td>$46,250</td>
</tr>
<tr>
<td>Designer: Power Services</td>
<td>Fund Source: F&amp;A</td>
</tr>
<tr>
<td>Central Electrical Distribution Ph. 1- Special Inspections &amp; CMT Services</td>
<td>$34,980</td>
</tr>
<tr>
<td>Designer: Kleinfelder</td>
<td>Fund Source: F&amp;A</td>
</tr>
<tr>
<td>Upfit for PNC Ebranch- Talley</td>
<td>$25,100</td>
</tr>
<tr>
<td>Designer: Winstead Wilkinson Architects</td>
<td>Fund Source: Receipts</td>
</tr>
</tbody>
</table>
Tri-Towers Stairwell Ventilation Study $9,400
Designer: McKim & Creed
Fund Source: Receipts

B104 Lab Renovation CVM Main Building $28,000
Designer: Ewing Cole
Fund Source: Receipts
## Acceptance of Completed Buildings and Projects

<table>
<thead>
<tr>
<th>Code/Item</th>
<th>Project#</th>
<th>Location</th>
<th>Title</th>
<th>Project Cost</th>
<th>University Acceptance</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA / NA</td>
<td>201720039</td>
<td>Solar House Garage</td>
<td>Alternative Fuels Renovation</td>
<td>$37,952</td>
<td>8/17/2017</td>
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<tr>
<td>41424 / 322</td>
<td>201620067</td>
<td>Lake Wheeler Field Labs</td>
<td>Animal Health Research Storage Building</td>
<td>$169,218</td>
<td>10/31/2017</td>
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<tr>
<td>41224 / 370</td>
<td>201220017</td>
<td>Centennial Campus Utility Plant</td>
<td>Conversion of fuel oil system</td>
<td>$1,025,000</td>
<td>11/3/2017</td>
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<tr>
<td>41524 / 302</td>
<td>201520009</td>
<td>Centennial Campus</td>
<td>Extension of Initiative Way</td>
<td>$1,350,000</td>
<td>11/7/2017</td>
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<tr>
<td>41524 / 325</td>
<td>201512124</td>
<td>ES King Village</td>
<td>Phase I and II, Roof Upgrades</td>
<td>$382,362</td>
<td>11/21/2017</td>
</tr>
<tr>
<td>41524 / 350</td>
<td>201611047</td>
<td>Method Headhouse</td>
<td>Unit 1 Roof Replacement</td>
<td>$185,801</td>
<td>11/21/2017</td>
</tr>
<tr>
<td>41524 / 301</td>
<td>201611013</td>
<td>Weisiger Brown Parking Lot</td>
<td>Expansion</td>
<td>$750,000</td>
<td>12/19/2017</td>
</tr>
</tbody>
</table>

**TOTAL** $3,900,333
Logistics Plan

Legend:
- Construction Fence
- Pedestrian Access
- New Pedestrian Sidewalk
- Vehicle Access
- Full Time Flagman
- Construction Entrance
- Access Road
- Tree Protection
- Temporary Toilets
- Skanska Office
- MEP Contractors Office
- Connex Storage
- Supply Plenum Extension
- Fire Hydrant
- Boom Lift Access
Agenda Item / Issue: Site Approval/Plant Sciences – Centennial Campus

Requested / Required Action: Approval

Functions: The project will build a new interdisciplinary plant sciences research building on Centennial Campus where researchers from the College of Agriculture and Life Sciences (CALS) and from across the university can build imaginative and far-reaching multidisciplinary partnerships with scientists from government, industry, and regulatory agencies. The five-level building will be approximately 184,000 gross square feet (GSF) comprised of flexible research labs, office space, partner lab/office suites, support lab space, and flexible conferencing space. The top floor will house Biosafety Levels (BSL) 2 and 3 rooftop greenhouses.

Project Scope:

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design/Consultant Costs</td>
<td>$16,600,000</td>
</tr>
<tr>
<td>Construction</td>
<td>$116,500,000</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>$10,000,000</td>
</tr>
<tr>
<td>Contingency/Other Project Costs</td>
<td>$17,100,000</td>
</tr>
<tr>
<td>Total Project Budget</td>
<td>$160,200,000</td>
</tr>
</tbody>
</table>

Design Team: Flad Architects - Lead Designer
CLH Design - Landscape Architect
Affiliated Engineers - MEP & FP

Master Plan Summary: The building will be designed to promote interaction and collaboration among faculty, students, and external partners. The primary building entrance will front Oval Drive, the ceremonial entrance to Centennial Campus. The architectural style shall take cues from the surrounding architecture while creating a unique identity and architectural statement. The building design will promote the visibility of activities.

Recommendation: Reviewed by CDRP on January 31, 2018

Suggested Motion: Move approval of site for the Plant Sciences Building

Funding Source: $85M Appropriated/$75.2 Non-Appropriated

Responsible University Unit: Office of Finance and Administration, Facilities Division

University Presenter/Contact: Lisa Johnson, University Architect
Plant Sciences Building
Trustees’ Buildings and Property Committee
February 15, 2018
Existing Site

Partners Way Deck
Central Plant
EB II
Golden Leaf BTEC
Plant Sciences Site
Site Analysis

Vehicular circulation
NEW PLANT SCIENCES BUILDING

- Bioswale
- Concrete Sidewalk (Typ.)
- New Connector Road
- Raised Crosswalk
- Steps
- Tables, Chairs, Benches
- Bicycle Parking
- Bench Seating
- Sculptural Piece
- Steps
- Lawn
- Porch with Tables, Chairs, and Benches
- Low Retaining Wall
- Bicycle Parking
- Oval Drive
- Benches
- Low Walls
- Catering Dropoff
- Partners Way
- Retaining Wall
- Buffer Plantings
- Service Court (Heavy Duty Concrete)
- Loading Dock
- Bioretention Plantings (Typ.)
- Shrubs and Perennials
- Mechanical Yard
- Partner Way
- Oval Drive
- Benches

5.6.A.1
Site Sections

SECTION THROUGH ROAD, PLANTING, 18" RETAINING WALL, SLOPE, AND LAWN

NEW PLANT SCIENCES BUILDING

SECTION THROUGH ROAD, PLANTING, 18" RETAINING WALL, SLOPE, AND LAWN
Site Sections

NEW PLANT SCIENCES BUILDING

SECTION THROUGH LAWN, BICYCLE PARKING, SIDEWALK, AND OVAL DRIVE

5.6.A.1
Site Precedents
Landscape Materials
Site Plan
Storm water opportunities

**NEW PLANT SCIENCES BUILDING**

- **BIORETENTION**
- **BIORETENTION**
- **BIORETENTION**
- **SILVA CELL WITH BIORETENTION AND PERMEABLE PAVERS**
- **UNDERGROUND DETENTION**
- **BIORETENTION**
Floorplan
Level 03

- OPEN LAB
- ANCHOR LABS
- LAB SUPPORT
- PARTNER LAB
- OPEN OFFICE
- ENCLOSED OFFICE
- BREAK
- CONFERENCE
- THINK TANK
Floorplan
Level 04

- HEADHOUSE & GREENHOUSE MECHANICAL
- LAB SUPPORT
- PARTNER LAB
- OPEN LAB
- OPEN OFFICE
- ENCLOSED OFFICE
- BREAK
- CONFERENCE
- THINK TANK
Exterior
South elevation
Exterior
Oval Drive north view
Exterior
Approach from west
Exterior

Partner’s Way south view
Exterior
Partner’s Way north view
Approval of Plans and Specifications of Formal Projects
$2,000,000 or Less

**Note:** The projects below are submitted to the Trustees’ Buildings and Property Committee for formal acceptance of plans and specifications. This listing represents projects received since the November 16, 2017 meeting.

<table>
<thead>
<tr>
<th>Project</th>
<th>Construction Estimate</th>
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<tbody>
<tr>
<td><strong>Partners Building III</strong></td>
<td>$1,300,000</td>
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<tr>
<td>Project # 201720046</td>
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<tr>
<td>CFEP Carbon Electronics Cluster Lab Renovations</td>
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<tr>
<td>Designer: Swanson + Stewart Architects</td>
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<tr>
<td>Raleigh, NC</td>
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<tr>
<td>Fund Source: F&amp;A Funds</td>
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<tr>
<td><strong>Partners Building II</strong></td>
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<tr>
<td>Project # 201720041</td>
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<tr>
<td>CFEP Suite 1500 Office Renovations</td>
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<tr>
<td>Designer: Davis Kane Architects, PA</td>
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<td>Raleigh, NC</td>
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<tr>
<td>Fund Source: F&amp;A Funds</td>
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<tr>
<td><strong>Eastern 4-H Conference Center</strong></td>
<td>$151,890</td>
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<tr>
<td>Project # 201720130</td>
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<tr>
<td>Boardwalk Structure</td>
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<tr>
<td>Designer: Albemarle &amp; Associates Ltd.</td>
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<tr>
<td>Kill Devil Hills, NC</td>
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<tr>
<td>Fund Source: Eastern 4-H Trust Funds</td>
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<tr>
<td><strong>Phytotron</strong></td>
<td>$110,000</td>
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<tr>
<td>Project # 201712044</td>
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<tr>
<td>Roof Replacement</td>
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<tr>
<td>Designer: Terracon Consulting Engineering</td>
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<tr>
<td>Raleigh, NC</td>
<td></td>
</tr>
<tr>
<td>Fund Source: Repair and Renovations</td>
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## Capital Projects at a Glance
as of November 30, 2017

### NORTH CAROLINA STATE UNIVERSITY

<table>
<thead>
<tr>
<th>Bid 2017</th>
<th>Bid 2018</th>
<th>Bid 2019</th>
<th>In Construction</th>
<th>Complete</th>
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<tbody>
<tr>
<td><strong>Code/Item</strong></td>
<td><strong>Project Name</strong></td>
<td><strong>Bid</strong></td>
<td><strong>Expected Acceptance</strong></td>
<td><strong>Total Project Budget</strong></td>
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<tr>
<td>41624 313</td>
<td>Greek Village Phase 3 Infrastructure</td>
<td>Design</td>
<td>11/30/17</td>
<td>5/17/19</td>
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<tr>
<td>41624 309</td>
<td>Harris Hall Student Services Renovation</td>
<td>Design</td>
<td>11/30/17</td>
<td>6/6/18</td>
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<tr>
<td>41524 313</td>
<td>Engineering Building Oval</td>
<td>Design</td>
<td>12/19/17</td>
<td>6/30/20</td>
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<tr>
<td>41524 341</td>
<td>Scott Hall HVAC Upgrades</td>
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<td>2/2/18</td>
<td>10/25/18</td>
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<tr>
<td>41524 340</td>
<td>Dearstone Entomology and Avian HVAC Upgrades</td>
<td>Design</td>
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<td>10/18/18</td>
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<tr>
<td>41624 313</td>
<td>Case Academic Center Dining Addition - Ph1</td>
<td>Design</td>
<td>2/16/18</td>
<td>7/30/18</td>
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<tr>
<td>41524 336</td>
<td>Reedy Creek Equine Farm</td>
<td>Design</td>
<td>2/27/18</td>
<td>1/1/19</td>
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<tr>
<td>41624 325</td>
<td>Steam Tunnel Structure Repairs-Main Campus</td>
<td>Design</td>
<td>3/15/18</td>
<td>4/22/19</td>
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<tr>
<td>41524 337</td>
<td>Carbon Electronics Cluster Lab Renovations</td>
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<td>8/7/18</td>
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<td>41524 339</td>
<td>Murphy Center Broadcast Studio</td>
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<td>41625 339</td>
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<td>41524 338</td>
<td>UAB Dabney Hall HVAC Evaluation and Upgrade</td>
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<td>5/3/19</td>
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<td>12/16/19</td>
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<td>41724 306</td>
<td>Equine Isolation Unit - CVM</td>
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<td>10/11/18</td>
<td>5/24/19</td>
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<td>41624 302</td>
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<td>7/12/20</td>
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<td>41624 312</td>
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<td>6/20/19</td>
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<td>41524 314</td>
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<td>41224 315</td>
<td>HB 1292 Utility Savings</td>
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<td>41524 307</td>
<td>Varsity Research Renovations - Phase 1</td>
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<td>41424 307</td>
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<td>41424 314</td>
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<td>SUBMITTAL NUMBER</td>
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<td>DESIGNER</td>
<td>TRUSTEE’S BPC REVIEW</td>
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<td>Kappa Alpha Theta House</td>
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<td>147</td>
<td>Harris Hall Renovation - One Stop Student Service</td>
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<td>Lambiet Architecture + Interiors</td>
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