CAMPUS DESIGN REVIEW
October 27, 2010
Primrose Hall Conference Room

ATTENDEES: Ed Funkhouser
Gayle Lanier
Gene Bressler
Gerold Mohn
Jason Low
Kevin MacNaughton
Lisa Johnson
Michael Harwood
Mike Davidson
Randy Ramsey
Robin Abrams
Tim Blair
Tim Luckadoo
Carolyn Axtman (for Carole Acquesta)

Additional Distribution: Randy Ramsey and Carole Acquesta

Approval of the Minutes

The August 25, 2010 meeting minutes stand as presented and will be posted.

2. **North Hall Exterior Improvements #110 – Updated Project**
Site Location: North Campus
Architect: Swanson + Stewart Architects
Designer Representative: Barry Swanson
NC State Project Manager: Rachel Miller

- The North Residence Hall improvements include structural repair to the exterior balconies, replacement of the storefront at each residential room, removal of the main entrance portico and the addition of a new entry canopy.
- The structural repairs to the balcony will require that the existing handrails be temporarily removed and about four inches of the walkway concrete slab be removed to access the structure needing repair. Most of the handrails will be reinstalled after the repair is complete.
- The handrails above the main building entrance (facing Hillsborough Street) will be replaced to reinforce the building entrance location and to add architectural interest. The new handrails will be located in the three structural bays above the building entrance on all five levels. The new handrails/guardrails will be perforated metal panels that contrast with the existing handrails. The new handrails will break up the strong horizontal feel of the existing building architecture.
- Most of the pedestrian traffic to and from campus enters the building at the south-west corner.

- The existing storefront system (glazing and door) will be replaced. New exterior colors will be more muted than the current color palette. Exterior doors to the residential rooms will be flush wood doors.
- The design will add a new brick base to the building to reinforce the master plan tripartite organization: base, middle and top. A precast concrete cap has been added to the low brick walls that extend between columns.
- The new main entrance canopy will be cantilevered with a metal roof and will be a clear aluminum finish to match the new storefront. Roof drains from the canopy will tie into the existing storm water system.

Discussion:
The Panel discussed the need to make the south-west corner of the building more inviting to pedestrians since this is how most of the students that live in the building enter, either via the stair tower door or along the covered walkway to the main building entrance. The Panel also discussed extending the new pavers out from the main entrance towards Hillsborough Street to create a plaza. This would help to create a sense of place for a residential hall that has very little exterior gathering space. It was noted that the project budget is fairly tight and probably can't afford growing the scope. Consideration should be given to making the glazing at the first floor more transparent so the interior public spaces are more visible. The Panel preferred using a metal panel for the handrail that was less dense, similar to the photo examples, rather than the sample that was reviewed.

Action:
The Panel had the following comments: 1) Consider options (lighting, landscaping, architectural elements, etc.) that would make the south-west entrance of the covered walkway more inviting to pedestrians. 2) Consider extending the new exterior paving at the main entrance out from the building to create a small plaza. 3) Provide alternate metal panels samples (less dense/more perforations) for the new guardrail system. 4) Final material selections should be based on field–erected sample panels approved by my office.

3. Alliance Center One #95 – Updated Project
Site Location: Centennial Campus
Developer: Craig Davis Properties
Architect: Jenkins Peer Architects
Designer Representative: Tyke Jenkins
NC State Project Manager: Mike Harwood

- The Alliance Center, Building One, will be a 5-story LEED Certified office building that includes about 150,850 GSF and an adjacent 5-level, 943-space, parking deck. The building will be located at the intersection of Main Campus Drive and Varsity Drive and includes a two-story retail component located at the street intersection corner of the building. The retail component will include food service along with a plaza for outdoor dining opportunities.
- The project includes an All Campus Path that runs east-west and connects the Venture Center and the Alliance Center to the College of Engineering Buildings. The Main

Campus Drive sidewalk and street trees will mirror the design at Venture Center, across the street.

- The site topography provides the opportunity for building access from the parking deck at two levels, the first and second levels, in a stacked configuration. These access walkways view into the courtyard between the building and deck.
- In response to previous comments, the building has been shifted about 8 to 10 feet away from Main Campus Drive to allow for a more generous corner plaza and the building elevation has been raised about 2 feet to address accessibility and retail visibility concerns.
- The site allows for a future building, Alliance Center Two, south of Alliance Center One. Alliance Two is anticipated to be an office building with about 150,000 GSF and may be connected to Alliance One via enclosed walkways at levels about the first floor.
- The majority of the building is brick with individual window openings. The corners of the building are glass curtain wall. The portion of the building at the corner of Varsity Drive and Main Campus Drive that will house retail functions on the lower levels will be all glass curtain wall with the interior precast structure highly visible. The south elevation has been revised so to better blend with the other building elevations.
- The building materials include red-flashed brick, sandblasted precast, clear anodized aluminum panels and curtain wall mullions, and high performance transparent glazing.
- The parking deck will be mainly precast with brick accents at the vehicular entrances, the building base and at the corners. The stair tower adjacent to the Alliance One will be highly visible and will incorporate a metal mesh system. The elevators will include glass for visibility on the west elevation.

Discussion:
The Panel appreciated the design team's response to previous comments for the Alliance One Building. Most of the discussion centered on the parking deck since this was the first review by the Panel. The Panel thought the parking deck should relate back to the Alliance One building design. The elevator/stair element should have some architectural elements in common with the Alliance One building. The 300 foot long elevations are particularly challenging, especially along Varsity Drive. The current design is monotonous and needs architectural interest.

Action:
*The Panel recommended **approval** for the Alliance Center One building subject to final exterior material selection approvals based on field-erected sample panel.*

The Panel had the following comments for the parking deck: 1) The elevator/stair tower should relate to the Alliance One building architecture. 2) Provide design options that add character and interest to the 300 foot long structure. 3) Provide samples of all exterior materials.

The Panel agreed to have a CDRP subcommittee comprised of Robin Abrams, Mike Davidson, Tim Blair, Mike Harwood and Lisa Johnson, continue with the architectural review and approval of the parking deck. The subcommittee will communicate back to the full committee regarding approval status.

4. Conference Center and Hotel #017 – New Project

Site Location: Centennial Campus
Developer: Concord Eastridge
Architect: Cooper Cary Architects
Designer Representative: Robert Uhrin
NC State Project Manager: Mike Harwood

- The conference center is a key amenity in the development of the Centennial Campus. It will complete the hospitality neighborhood and provide a pedestrian connection across the Lake Raleigh dam to the future Town Center. The project will enhance the shared open space between the Park Alumni Center and the conference center.
- The conference center and hotel will contain about 255 hotel rooms and 30,000 GSF of meeting space. An indoor pool, restaurant and exercise facility will be located on the main entry level. The restaurant/bar is the hub between the hotel and conference center.
- 350 surface parking spaces will be located in the east side of the building.
- There are two main entrances, one to the conference center and the other to the hotel.
- The ballroom and the majority of other meeting rooms will be on the lower level. The meeting room pre-function space can be viewed from the entry level above. This two story space will also be flooded with natural light from above. The facility will be able to hold receptions for just under 1,000 people.
- There will be views to the lake through the building from the main entrance, the restaurant, the hotel lobby and the pool area. A large terrace will also provide views to the lake.
- The conference center portion of the building will be brick, glass and metal panels. Metal panel architectural elements set up the hierarchy of the buildings and identify the entrances.
- The hotel portion of the building is five levels above the main entrance level. It is mainly brick with punched window openings. The east and west (short ends) of the building include precast panels on the lower levels and EIFS on the upper levels.

Discussion:
The Panel discussed the need to break up the large expanse of parking and the need to provide more green space along the entrance drive. The building will be viewed across this large expanse of parking and it will be important to break the parking down into smaller parking rooms divided by planting areas. The Panel discussed the loading dock and service entrance and the need to make sure that it was well separated from the hotel lobby above. The Panel challenged the design team to provide a design that reflects NC State and to provide sustainability information for the project.

Action:
The Panel had the following comments: 1) The facility while well thought out functionally on the interior could be on any campus in the country. The architecture should say something about this area, North Carolina and NC State University. What makes this facility unique to NC State? What's NC State's signature? 2) Provide the sustainability design goals for this project, including the storm water plan. 3) Provide a larger landscape buffer along the

approach drive to the facility. Rework the parking lot layout to allow more landscaped (green) areas. Consider stepping the lot down with the grade and dividing it into smaller parking rooms. 4) Provide samples of all new exterior materials.

5. Next Meeting:

The next Panel meeting is scheduled for November 17, 2010, 2:00 to 4:30 PM.

CAMPUS DESIGN REVIEW
August 25, 2010
Primrose Hall Conference Room

ATTENDEES: Carole Acquesta
Ed Funkhouser
Gene Bressler
Jason Low
Kevin MacNaughton
Lisa Johnson
Michael Harwood
Randy Ramsey
Robin Abrams
Tim Blair
Tim Luckadoo
Tom Skolnicki

Additional Distribution: Gayle Lanier, Gerold Mohn, and Mike Davidson

Approval of the Minutes

The July 28, 2010 meeting minutes stand as presented and will be posted.

6. Alliance Center Building 1 #95 – Updated Project

Site Location: Centennial Campus
Developer: Craig Davis Properties
Architects: Jenkins Peer Architects
Designer Representative: Tyke Jenkins
NC State Project Manager: Mike Harwood

- The Alliance Center, Building One, will be a 5-story LEED Silver office building that includes about 150,850 GSF and an adjacent 3-level, 543-space, parking deck. The building will be located at the intersection of Main Campus Drive and Varsity Drive and includes a two-story retail component located at the street intersection corner of the building. The retail component will include food service along with a plaza for outdoor dining opportunities.
- The project includes an All Campus Path that runs east-west and connects the Venture Center and the Alliance Center to the College of Engineering Buildings. The Main Campus Drive sidewalk and street trees will mirror the design at Venture Center, across the street.
- The site topography provides the opportunity for building access from the parking deck at two levels, the first and second levels, in a stacked configuration. These access walkways view into the courtyard between the building and deck. This courtyard is designed to allow for informal gatherings.

- There will be five exterior entrances, one located on Main Campus Drive, one on Varsity Drive, one on the south façade, and two on the east façade facing the parking deck.
- Special attention has been paid to the Neuse River Buffer limits at the site that is adjacent to the parking deck. A bio retention area is located adjacent to the pedestrian pathway and Neuse River Buffer as well as a rain garden located at the Varsity Drive elevation adjacent to the access walks from the deck.
- The site allows for a future building, Alliance Building 2, south of Alliance Building 1. Alliance 2 is anticipated to be an office building with about 150,000 GSF and may be connected to Alliance 1 via enclosed walkways at levels about the first floor.
- The majority of the building is brick with individual window openings. The corners of the building are glass curtain wall. The portion of the building at the corner of Varsity Drive and Main Campus Drive that will house retail functions on the lower levels will be all glass curtain wall with the interior precast structure highly visible.
- The building materials are drawn from other Centennial Campus buildings and include red-flashed brick, sandblasted precast, clear anodized aluminum panels and curtain wall mullions, and high performance transparent glazing.

Discussion:
The Panel noted that drawings weren't at the same level of completeness as they normally see at a first review. It was somewhat difficult to review the site without a site grading plan and difficult to understand how accessibility worked at the building entrances. The plaza at the corner seems too tight on the west side and the grade is a few feet below the street which may not be good for visibility of the retail function on the first floor. The Panel also noted that the design drawings for the parking deck were not included in the review. Decks are normally reviewed the same as other buildings.

Action:
The Panel had the following comments:

1. *Provide building elevations and plans for the parking deck.*
2. *Provide grading plan, landscape plan and storm water management strategies.*
3. *3-Dimensional modeling would help to clarify how the building relates to the site. Also, dashed lines indicating street grade on the building elevations would help in understanding the relationship of the below grade corner plaza and the street.*
4. *Evaluate shifting the north wing of the building further east to allow more space in the corner plaza. This would also allow more views into the first floor retail space. Good street presence helps retail space be more successful.*
5. *Strengthen the building base and how it meets the ground. In the 'tripartite' organization, the building base should be more substantial than the middle portion of the building.*
6. *Provide design options for the south elevation that better blend with the other building elevations. Consider removing the round precast columns.*
7. *Better define the main building entrances on the east and west sides of the building. They should be easily identifiable and provide an open, welcoming appearance. The entrances should provide adequate overhead cover for a comfortable transition between the interior and exterior.*

8. *Consider site amenities such as benches, seat walls, etc. along the All Campus Path.*
9. *Provide samples of the exterior building materials.*

7. Syme Hall Rain Garden– Information Item

Site Location: North Campus
Landscape Architect: College of Design
Representative: Andrew Fox, Assistant Professor of Landscape Architecture

- Andrew Fox and four students presented this project, which was designed and built by the students in this course which spanned both summer sessions. The design of this rain garden was the first half of the course, and then the students constructed this improvement to campus during the second summer session.
- The project brought together many participants on campus. The students worked with staff from Housing, Facilities, Transportation, and Police on various aspects of the project. In addition to solving storm water runoff issues on site and raised awareness of storm water quality treatment, the project also coordinated with the replacement of a sanitary sewer line, led to the addition of a light pole to improve safety, and has beautified an area of campus.

8. Talley Student Center Addition and Renovation – Information Item

Site Location: Central Campus
NC State Project Manager: Sumayya Jones-Humienny

- Lisa Johnson and Tom Skolnicki reviewed the project scope statement, vision statement and site analysis/constraints for the Talley Student Center Project. They noted that Talley is a large, complex design project and will be helpful for the Panel to get familiar with the project prior to the first project review.
- The documents distributed and reviewed at the meeting are attached to these meeting minutes.

9. Next Meeting:

The next Panel meeting is scheduled for September 29, 2010, 2:00 to 4:30 PM.

CAMPUS DESIGN REVIEW

July 28, 2010
Primrose Hall Conference Room

ATTENDEES: Barbara Mulkey
Carole Acquesta
David Horning
Gayle Lanier
Gene Bressler
Kevin MacNaughton
Lisa Johnson
Michael Harwood
Timothy Luckadoo
Tom Skolnicki

Additional Distribution: Barbara Doll, Ed Funkhouser, Robin Abrams, and Sam Collier.

Approval of the Minutes

The March 31, 2010 meeting minutes stand as presented and will be posted.

10. North Hall Exterior Improvements #110 – New Project

Site Location: North Campus
Architects: Swanson + Stewart Architects
Designer Representative: Barry Swanson
NC State Project Manager: Rachel Miller

- The North Residence Hall improvements include structural repair to the exterior balconies, replacement of the storefront at each residential room, removal of the main entrance portico and the addition of a new entry canopy.
- The structural repairs to the balcony will require that the existing handrails be temporarily removed and about four inches of the walkway concrete slab be removed to access the structure needing repair. Most of the handrails will be reinstalled after the repair is complete.
- Consideration is being given to replacing the handrails above the main building entrance that faces Hillsborough Street to reinforce the building entrance location. The south building elevation shows handrails being replaced three bays wide and at all five levels above the Hillsborough Street main entrance. The new handrail would be a perforated metal material that would contrast with the existing handrails. The new handrails would also break up the strong horizontal feel of the existing building architecture.
- The existing storefront system (glazing and door) which is in poor condition will be replaced. New exterior colors will be more muted than the current color palette.

- The design will add a new brick base to the building to reinforce the master plan tripartite organization: base, middle and top.
- The new main entrance canopy will be cantilevered with a metal roof. The design is similar to the entry canopy at the First Year Commons building.

Discussion:
The Panel discussed the new entrance canopy drainage system and asked the designer to verify how it was being handled. The drainage from the canopy roof shouldn't flow across pedestrian walks. The Panel liked the concept of reinforcing the building entrance location with the handrail changes and new entry canopy but asked for further development of the concept. The Panel discussed the following possible considerations related to reinforcing the entrance location: not taking the handrail changes up for all five floors above the entry or a more dynamic handrail panel change on the upper floors, making another architectural change in just the bay above the entry door, and relocating the entrance doors so they are centered under the handrail changes above. It was noted that while this project is mainly an exterior façade repair that it is still important to improve the ground plane at the main entrance that is being upgraded and the Panel asked that some consideration be given for minor improvements. A site plan would be helpful in reviewing how pedestrians enter the site and the building.

Action:
The Panel had the following comments: 1) Provide options for reinforcing the main building entrance design so that it is visually apparent to visitors. Also provide options for addressing the ground plane at the main entrance. 2) Address the new entrance canopy roof drainage. The roof drains should either tie into the existing storm water system or should daylight away from pedestrian walkways. 3) Provide a site plan indicating pedestrian travel patterns. 4) Provide samples of all new exterior materials.

11. The Point – Information Item

Site Location: Centennial Campus
Architect: Weinstein Friedlein Architects
Marvin Malecha, consulting architect
Designer Representative: Marvin Malecha
NC State Project Manager: Kevin MacNaughton

- The site was originally planned for 100 cars but this is too many cars for this residential site. Parking rooms are designed to hold 16 cars each for a total of 64 cars. Each parking room will be landscaped and includes tress and structured soil turf that will appear mostly green. Concrete walks are planned to the parking spaces. Additional parking will be at the Park Alumni Building, which will be accessible via a golf cart path through the woods. HC parking will be close to the house. There will be bluestone entrance walkway. The landscape design for the site is underway.
- The back terrace that faces Lake Raleigh will accommodate 200 people, standing. Permanent tents for this terrace are being considered. The tent poles will have power, lighting and heat.

- The house will have three levels. The main entrance level includes an 18 foot-wide grand entrance hall with a fireplace opposite the main entrance. It also includes a living room, dining room, kitchen, chancellor's office, a two car garage and an additional garage that will serve a dual function for catering staging during large functions. The upper level is the chancellor's private residential area and contains bedrooms, family room, and exterior porch space. The house will have a full basement. Space is being provided for a future elevator.
- Marvin Malecha reviewed the interior finishes with the Panel and the Panel visited the site at the end of the meeting to review construction progress.
- The Panel noted that high priority should be given to funding the elevator for the residence so that all levels are accessible.

12. Next Meeting:

The next Panel meeting is scheduled for August 25, 2010, 2:00 to 4:30 PM.

CAMPUS DESIGN REVIEW
March 31, 2010
Primrose Hall Conference Room

ATTENDEES: Barbara Doll
David Horning
Edward Funkhouser
Gayle Lanier
Samuel Collier
Timothy Luckadoo
Michael Harwood
Carole Acquesta
Tom Skolnicki

Additional Distribution: Barbara Mulkey, Gene Bressler, Kevin MacNaughton, Robin Abrams, and Lisa Johnson.

Welcome

Mike Harwood welcomed the members to the meeting at 2:05 PM.

13. Watauga Club Gateway #109 – Updated Project
Site Location: North Campus
Architects: Sears Design Group
Designer Representative: Dan Sears
NC State Project Manager: Lynn Swank

- The Panel last reviewed this project at the February 2010 CDRP meeting.
- This project will create a new pedestrian gateway into north campus from Hillsborough Street between Primrose Hall and the Bell Tower. A new path will replace the old Watauga Club Drive roadbed that was removed during the Hillsborough Street renovations.
- The bus shelter has been shifted closer to the Gateway.
- Pedestrian desire lines have been re-evaluated, and locations of the paths, landscaping and brick columns have been adjusted to ensure predictable pedestrian movement.
- The geometry of the circular pattern in the Hillsborough Street sidewalk has been adjusted to work better with the geometry of the gateway, and NC State standard brick pavers are shown in the circle pattern.
- The plan shows removing one tall city street light, and replacing it with two pedestrian scale lights used in the city project. The two lights will be symmetrical about the gateway.

- Additional brick markers have been added to either side of the gateway, and are linked with wrought iron fencing.

Discussion:
The Panel noted that the proportions and spacing of the columns and markers looked good, but discussed the proposed materials for the connections between the six-foot and nine-foot columns. They also discussed the appropriate location of the added information kiosk, indicating that it should be visible from several directions.

Action:
*The Panel recommended **approval** of this project subject to the following design directives: 1) Add more masonry to the composition, especially between the six-foot and nine-foot columns, 2) Coordinate with NCSU Transportation regarding the relocation of the gate arm for Peele Lot so that drop-off/pick-up activity does not result in a dead end at the gate arm,* 3) *Consider a sealer to facilitate the removal of graffiti from the gateway masonry, 4) Shift the information kiosk further east so that it is out of the main path.*

14. Derr Track Improvements #107 – Updated Project
Site Location: Central Campus
Architect: WHN Architects
Designer Representative: Beth Matthews
NC State Project Manager: Angkana Bode

- This project was last reviewed at the January 2010 CDRP meeting.
- This project is the second phase to the Derr Track improvements approved by the CDRP in November 2005. The 2005 improvements expanded the site to include track and field, soccer and softball facilities. This project will complete the street front character that was established by the original project along Cates Avenue.
- A new entrance to the site will align with the sidewalk that runs between Case Athletic Center and Reynolds Coliseum. The gateway will be precast concrete, similar to the softball gateway. A decorative brick and iron fence will be extended from the new entrance gateway east along Cates Avenue.
- Stairs will be provided from the entry concourse to the field adjacent to the new entrance.
- New toilet facilities, that match the architecture of the existing facilities, will be located on the concourse level adjacent to the new entrance.
- New seating will be added on top of the existing concrete bleachers. A press box will be located at the center field line on the concourse level. The new seating will be a combination of molded plastic seats with backs and aluminum bleacher seating.
- Two new buildings and a renovated building are proposed on the south side of the site. The two new buildings include a new softball batting cage and a building to house track and field equipment and the soccer visiting team meeting room. The existing batting pavilion will be renovated and used for field maintenance storage and the soccer home

team meeting room. All three buildings will have gabled standing seam metal roofs and a combination of brick and metal siding exterior walls.

- The project includes a new southern entry plaza with a decorative brick and iron entrance gateway.
- The reinforced turf installed by the Rocky Branch project is failing and will be replaced by this project. The reinforced turf is located along the southern border of the site adjacent to Rocky Branch Creek. Maintenance vehicles use the reinforced turf path for field access.

Discussion:
The Panel discussed the refinements to the three building elevations and their orientation to the streets adjacent to each. They noted that they liked the shift in the entry plaza next to the toilet building. It was noted that the access drive at the southern edge of the site would be refurbished using pervious pavers. The Panel discussed the south gateway composition and the need to coordinate many elements in that area, and that it should take cues from the other gateway projects designed on campus.

Action:
*The Panel recommended **approval** of this project subject to the following design directives: 1) Consider giving the east elevation of the Team Meeting building some more interest, 2) Continue to study the best option for materials for the red seats, choosing a material that will not have a significant color shift due to infrared light exposure,* 3) *Refine the south gate area so that all elements, including the gates, fences, graphics, paving and the Batting Cage building work together, 4) Study the addition of lighting and adequate trash and recycling receptacles at the south gate.*

15. Next Meeting:

The next Panel meeting is scheduled for July 28, 2010, 2:00 to 4:30 PM.

The meeting adjourned at 3:45 p.m.

CAMPUS DESIGN REVIEW
February 24, 2010
Primrose Hall Conference Room

ATTENDEES: Barbara Mulkey
Carole Acquesta
David Horning
Edward Funkhouser
Gayle Lanier
Timothy Luckadoo
Michael Harwood
Lisa Johnson

Additional Distribution: Barbara Doll, Gene Bressler, Kevin MacNaughton, Robin Abrams, and Samuel Collier

Welcome

Lisa Johnson welcomed the members to the meeting at 2:05 PM.

16. Watauga Club Gateway #109– New Project
Site Location: North Campus
Architects: Sears Design Group
Designer Representative: Dan Sears
NC State Project Manager: Lynn Swank

- This project will create a new pedestrian gateway into north campus from Hillsborough Street between Primrose Hall and the Bell Tower. A new path will replace the old Watauga Club Drive roadbed that was removed during the Hillsborough Street renovations.
- The gateway design incorporates components from the standard kit of parts for campus gateways including brick paving, masonry columns with precast caps, and white flowering plants.
- The existing path from the Primrose Hall entrance north to Hillsborough Street will be eliminated so that pedestrians enter campus through the gateway.
- The new path through the gateway curves slightly towards the west and allows the focus from the path to be on Peele Hall in lieu of the Holladay Hall parking lot.
- Benches are located along the new path with two facing the Bell Tower.
- Plantings include Willow Oaks, Natchez Crepe Myrtles, a variety of shrubs, grasses and perennial flowers.

Discussion:
The Panel discussed the location of the bus shelter and the importance of having it close to the gateway and asked that university standard site furniture, signage and trash bins be included in the plans.
Action:
The Panel had the following comments: 1) Shift the Hillsborough Street bus shelter west, closer to the new gateway, 2) Locate a university standard wayfinding kiosk adjacent to this campus entrance, 3) Re-evaluate the pedestrian desire lines with the existing path adjacent to Primrose Hall, 4) The arc of the gateway design (plan view) should work better with the circle pattern in the walk in front of the gateway. The walkway pattern should relate to the two adjacent Hillsborough Street cross walks, 5) Use university standard brick pavers on the Hillsborough Street sidewalk in front of the new gateway, 6) Provide an alternate location for the city light pole that is currently located in front of the gateway, 7) Add more low brick markers, maybe a total of five on each side, and consider tying them together with either iron fencing or low brick walls, and 8) Provide more information on the new plant materials.

17. JC Raulston Arboretum #108 – New Project
Site Location: West Campus
Architects: Frank Harmon Architects
Designer Representative: Erin Sterling
NC State Project Manager: Lisa Maune for Angkana Bode

- This project will provide a new 5,500 square foot lath house (shade structure) at the JC Raulston Arboretum. It will replace the existing structure, built in the 1980s that is in poor condition.
- The lath house is an open-air laboratory for experimental horticultural techniques and methods, the new structure will shelter infant plants as they transition into larger gardens within the arboretum grounds. It has controlled light, two-thirds light verses one-third shade. The lath house will also provide an accessible community garden to the City of Raleigh.
- The structure will be galvanized steel columns, concrete footings and wood beams. Most of the building is wood.
- Construction is scheduled to start in May 2010 and complete by October 2010.

Action:
*The Panel recommended **approval** of this project.*

18. J.W. Isenhour Tennis Complex Expansion #105 – Updated Project
Site Location: Central Campus
Architect: Woolpert North Carolina
Designer Representative: Andrew Pack
NC State Project Manager: Ed Levy

- The Panel last reviewed this project at the November 2009 CDRP meeting.
- This project will provide new outdoor tennis courts, 1,000 spectator grandstand seats, toilets, court lighting, scoreboard and new accessible entrance for the north parking lot.
- The new structure will blend with the existing architecture of the indoor tennis facility. The exterior materials will match the existing building (brick, metal siding, metal roof and fencing.
- The seat walls at the new north entrance will be brick with a concrete cap.
- The new elevated spectator seating structure will be cantilevered to the existing indoor tennis building. Flashing will be used to seal the joint between to two structures. A roof paver system will be used on the raised concourse.

Discussion:
The Panel discussed the court logos and signage. Athletics indicated that they would be re-evaluating the entire graphics package for the new facility to make sure that it worked as a whole. The security of the new facility was discussed and the designer indicated that the entire complex will be gated, including the elevated walkway. Vending options will be provided via dining carts.

Action:
*The Panel recommended **approval** of this project subject to the following design directives: 1) At the new entrance gateway to the outdoor courts, step up the brick wall on either side of the gateway and use the brick wall for the signage backdrop in lieu of overhead signage, 2) Re-evaluate the location of the wolf logo in the center of the courts with respect to the center court light pole. Consider logo products that are flexible and easily changeable,* 3) *The new plant materials should blend with the existing plantings along Varsity Drive and consider adding pine trees on the west side of the court, 4) Final exterior material selections will be based on field erected sample panels reviewed by the Office of the University Architect.*

19. Next Meeting:

The next Panel meeting is scheduled for April 28, 2010, 2:00 to 4:30 PM.

The meeting adjourned at 4:00 p.m.

CAMPUS DESIGN REVIEW

January 27, 2010
Primrose Hall Conference Room

ATTENDEES: Barbara Mulkey
Barbara Doll
Davis Horning
Edward Funkhouser
Gayle Lanier
Gene Bressler
Kevin MacNaughton
Robin Abrams
Samuel Collier
Timothy Luckadoo
Michael Harwood
Lisa Johnson

Additional Distribution: Peter Barnes and Carole Acquesta

Welcome

Lisa Johnson welcomed the members to the meeting at 2:05 PM.

20. The Point #077 – Updated Project

Site Location: Centennial Campus
Architects: Marvin Malecha and Weinstein Friedlein
Designer Representative: Jim Compton
NC State Project Manager: Kevin MacNaughton

- The Point was approved by the Panel in 2007 but has been redesigned due to budget constraints. The residence has been downsized from 12,000 GSF to 8,500 GSF.
- The Point is located to the west of the Alumni Building at Centennial Campus. The Alumni Building parking will be used for larger functions in the house, and a walking/ vehicular path will be developed between the two and will possibly include some additional parking. The House will serve as the western endpoint to development on this side of Lake Raleigh, thus defining the edge of the undeveloped Lake Raleigh Woods.
- The design provides generous areas for entertainment of large groups on the first floor and between the house and the lake. The second floor will be devoted to private family space for the chancellor's family. There are significantly developed exterior areas as well: the entrance court, waterside terrace, parking court, a gazebo and several porches.

A full basement will house the mechanical system and will feed to upper levels through mechanical chases.

- The project includes two garages with one doubling as catering staging during events.
- The facility will achieve a LEED Silver certification and will be a demonstration opportunity in sustainability for students. The design includes a hybrid closed loop geothermal mechanical system with normal day to day operation using the geothermal system and a conventional backup system for events.
- The exterior elevations are still being developed and are a blend between the NC State style and contemporary architecture. The front and rear elevations are a series of gabled roofs separated by low slope roofs. The façade will be brick similar to Holladay Hall will anodize bronze windows. The roof will be a residential scale standing seam metal roof, a rust or burgundy color is being considered.

Discussion:
The Panel discussed the structural soil parking areas and wanted to make sure there were enough hard surface walkways for guests to easily walk to the entry. They also noted that The Point should look and feel like a home/residence, including the interior spaces, the exterior appearance and the entry plaza.

Action:
The Panel had the following comments: 1) The path to the Park Alumni Building should be a golf cart path in lieu of a larger vehicle path with parking. Minimize the impact to the wooded area during the path construction. Explore the use of pervious pavement to further minimize the environmental impact of this drive, 2) Provide an outlet from the east car park area similar to the west car park area. Provide information on event vehicular traffic flow. Consider including parking along the main entrance drive during events, 3) P*rovide further information regarding the reinforced turf that will be used in the car park areas, 4) Consider using the roof rain water runoff for irrigation, 5)* P*rovide design options in lieu of narrow windows shown on the exterior elevations. The exterior materials were not noted on the drawings, which made review of the elevations difficult, 6)* P*rovide exterior three dimensional drawings of the residence including a view from the main entrance drive, 7) Provide samples of all exterior materials.*

21. Campus Edges Planning – Discussion Item

Site Location: North, Central, South and Centennial Campus
NC State Project Manager: Tom Skolnicki

- Thirteen campus gateway projects have been identified as part of the campus edges planning. Two gateway/campus entrance projects have been completed on Centennial Campus, one at the Varsity Drive entrance and one at the Achievement Drive entrance. The Watauga Club gateway project on north campus is in design and will be reviewed by the Panel at the next meeting.
- Reynolds & Jewel Landscape Architects developed a kit of parts consisting of brick and cast stone markers and columns, masonry site walls, and metal accents. The kit of parts allows for various configurations as needed, such as pairs of columns, multiple markers

in series for a perforated edge, retaining walls, site walls, seat walls, railings, suspended benches, etc., to be combined with landscaping and signage as appropriate for each site.

- The kit of parts will allow flexibility to reflect the character of different campus precincts. For instance, gateways on Centennial Campus will use more metal than those at North Campus, which will feature more masonry. The metal used on Centennial Campus gateways will be anodized aluminum, while North Campus gateways will use wrought iron. Central and South campus gateways will be transitional between North and Centennial precincts.

Discussion

The Panel liked the overall gateway concept and asked that consideration be given at these entrances for seating, directional signage and artwork. There was a broader discussion of wayfinding that included directional signage to campus and maneuvering through campus.

22. The Atrium Renovation #104 – Updated Project

Site Location: North Campus
Architect: Moser Mayer Phoenix Associates
Designer Representative: Alan Cox
NC State Project Manager: Rachel Miller

- The Atrium Renovation project was last reviewed at the November 2009 CDRP meeting.
- The Atrium is located on the lowest level of the Erdahl Cloyd wing of the DH Hill Library. The project will renovate about 16,000 SF of interior space. It will provide an expanded servery that will improve traffic flow. An additional 1,200 SF will be enclosed under an existing balcony, resulting in an increased seating capacity.
- The entire storefront on the ground level will be replaced with materials/color to match the existing building. The brick base at the new storefront will match the existing building brick. The new glazing will be slightly tinted low-e glass and the new storefront will clear aluminum.
- New exhaust ducts will be routed through the two Library floors above the Atrium to the roof. The roof penetrations will be 10 to 12 feet from the edge of the roof to minimize the view of the exhaust fans from the ground.

Discussion:

The Panel noted that every effort should be made to salvage existing bricks from demolished portions of the wall and reuse them around new openings.

Action:

*The Panel recommended **approval** of this project and requested that final exterior material selections be based on field erected sample panels approved by the Office of the University Architect.*

23. Derr Track Improvements - New Project

Site Location: Central Campus
Architect: WHN Architects
Designer Representative: Beth Matthews
NC State Project Manager: Lisa Maune for Angkana Bode

- This project is the second phase to the Derr Track improvements approved by the CDRP in November 2005. The 2005 improvements expanded the site to include track and field, soccer and softball facilities. This project will complete the street front character that was established by the original project along Cates Avenue.
- A new entrance to the site will align with the sidewalk that runs between Case Athletic Center and Reynolds Coliseum. The gateway will be precast concrete, similar to the softball gateway. A decorative brick and iron fence will be extended from the new entrance gateway east along Cates Avenue.
- Stairs will be provided from the entry concourse to the field adjacent to the new entrance.
- New toilet facilities, that match the architecture of the existing facilities, will be located on the concourse level adjacent to the new entrance.
- New seating will be added on top of the existing concrete bleachers. A press box will be located at the center field line on the concourse level. The new seating will be a combination of molded plastic seats with backs and aluminum bleacher seating.
- Two new buildings and a renovated building are proposed on the south side of the site. The two new buildings include a new softball batting cage and a building to house track and field equipment and the soccer visiting team meeting room. The existing batting pavilion will be renovated and used for field maintenance storage and the soccer home team meeting room. All three buildings will have gabled standing seam metal roofs and a combination of brick and metal siding exterior walls.
- The project includes a new southern entry plaza with a decorative brick and iron entrance gateway.
- The reinforced turf installed by the Rocky Branch project is failing and will be replaced by this project. The reinforced turf is located along the southern border of the site adjacent to Rocky Branch Creek. Maintenance vehicles use the reinforced turf path for field access.

Discussion:
The Panel questioned whether or not new reinforced turf would fail due to the continued vehicular traffic anticipated along this corridor. It was noted that the turf could not be replaced with pavement, even pervious pavement since it is a condition of the grant funded Rocky Branch stream restoration project. The turf corridor is in the Neuse River buffer. The panel discussed the need for the three buildings at field level to blend with the existing architecture and detailing. These three buildings will be highly visible from not only the spectator and entrance areas but also from Pullen Road and Morrill Drive.

Action:
The Panel had the following comments: 1) Verify *if the existing batting cage facility is in a utility right-a-way. 2) Coordinate drawings with the new Rocky Branch bridge design. Verify that*

the path from the bridge to the tunnel is designed to be bicycle safe. 3) The buildings on the south side of the site should blend with the architecture of the buildings along Cates Avenue.4) Provide more design detail on the south wall of the new batting cage facility, the large blank wall facing the south entry from Weisiger Brown.5) The new entrance gateway and signage should match the existing gateway on the corner of Cates Avenue and Morrill Drive. Adjust the dimensions and proportions to match. 6) Verify that there is enough depth on the concourse just inside the new entry gate to handle the number of spectators expected at the beginning of an event. 7) Provide more information regarding the reinforced turf that is in the Neuse River Buffer along the Rocky Branch Stream. Recommend the best application given that this area will be used by maintenance vehicles. Verify that the proposed solution is permitted. 8) Provide samples of all exterior materials.

24. Next Meeting:

The next Panel meeting is scheduled for February 24, 2010, 2:00 to 4:30 PM.

The meeting adjourned at 4:30 p.m.