University of Colorado
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University of Colorado Design Review Board
Amended Meeting Notes

Date: Wednesday, December 6, 2023
Time: 8:00 a.m. – 5:00 p.m.
Location: Bruce and Marcy Benson Conference Room, First Floor, 1800 Grant Street, Denver, Colorado

DRB and Campus Members present:
Mike Winters, Jody Beck, Sarah Brown, Tom Hootman, Laurel Raines, Chris Shears, d'Andre Willis, campus DRB member for the University of Colorado Boulder (CU Boulder), and Fawn Behrens-Smith, campus DRB member for the University of Colorado Colorado Springs (UCCS).

Others in attendance not otherwise noted:
Kori Donaldson, AVP of Budget, Finance, and Capital and ex officio member of the DRB
Linda Money, CU Real Estate Services, CU System employee / DRB notetaker
Emily Parker, Sr. Budget, Planning, and Policy Analyst, Office of the VP for Budget & Finance

Mike Winters, Chair, determined a quorum and called the meeting of the Design Review Board to order at 8:15 a.m.

8:00 – 8:50 a.m. **Study Session – Board Only**

The DRB reviewed administrative matters and items on the agenda prior to convening the public portion of the meeting.

9:00 – 11:30 a.m. **Chemistry and Applied Math Building – *CU Boulder***
Schematic Design (Action Requested)

Architects/Consultants:
- ZGF
- James Corner Field Operations
- Group 14 Engineering
- Whiting-Turner Contracting Company

Presenters:
- Braulio Baptista, Design Partner, ZGF
- Justin Brooks, Lead Designer, ZGF
- Arathi Gowda, Principal, Sustainability, ZGF
- Lauren McNeill, Sustainability Lead, Group 14 Engineering
- Sam Ridge, Landscape Architect, Field Operations
- Karli Molter, Senior Associate, Field Operations

CU Boulder Campus Presenter:
d'Andre Willis, Assistant Vice Chancellor of Planning and Design /Campus Architect, Facilities Planning

Others Present:
Sadie Cline, ZGF
Heather Heiland, Whiting-Turner Contracting Company
Taylor Roberts, ZGF

Other CU Boulder Campus Representatives Present:
David Byrne, Jr., Facilities Planning
Richelle Goedert, Facilities Planning
Wayne Northcutt, Facilities Planning
Chris Sachs, College of Arts and Sciences
Edward von Bleichert, Infrastructure and Sustainability

Description:
Schematic Design ("SD") submittal for a new 147,000 GSF Chemistry and Applied Mathematics (CHAP) academic/ research building on the Business Field (a 4-acre recreational field on Main Campus).

A/E Presentation

The design team gave a comprehensive presentation of the submittal package, a copy of which is available upon request through the contact information noted at the bottom of this document.

DRB Comments and Action

A. Energy and Sustainability

The team has made great progress on sustainability and energy design and reporting. The work to date illustrates that this is a very well-integrated team.

- Continue to study the U-factor of and occupant comfort provided by the windows.
- Determine if a passive ventilation system in the lobby area can be achieved. What amount of articulation is needed?
- Conduct further analysis of embodied carbon metrics.

B. Site & Landscape Architecture

Ahead of the next meeting, Laurel Raines, the DRB Landscape Architect, will meet with Richelle Goedert, the Campus Landscape Architect, to review the planting plan.

- Review the landscape plan at the bridge and determine whether to keep grass, as currently shown in the design, or add a different landscaping element, such as a meadow.

C. Architecture

The DRB understands that this project has a very large building program and difficult utility locations which result in a large building mass. The DRB accepts the Schematic Design level massing studies and the resulting design of the overall building massing. The DRB recognizes that the building interior and massing work well together.

The DRB identified the following architectural areas that require further study:

- Continue to study the shed roof to tie the building into the context of the site and the main campus.
  - The shed roof is not needed at the lower roof heights.
  - The gable roof has been eliminated from consideration.

- Building façades:
  - Study how the north and south elevations articulate into the overall façade of the building, e.g., how do these façades "make/turn the corner?" Would more horizontality be an improvement over the verticality of the current fenestration pattern?
  - Explore how the façade along Regent Drive can be less rigorous and more playful.
  - The inclusion of the pre-cast adds contrast and color to the façades.

- Study the column size at the building base.

DRB Action

The DRB gave conditional approval by consensus to the Schematic Design submittal for Sustainability, Site, and Building Massing, but requested that the design team return in January to present the architectural areas that require further study as noted above.

11:30 a.m. – 12:00 p.m. **Brick Selection Recommendations, Residence One – *CU Boulder***
Design Development Follow-Up (Action Requested)

Architects/Engineers/Consultants:
Anderson Mason Dale Architects ("AMD")
Bohlin Cywinski Jackson Architects ("BCJ")
James Corner Field Operations
Noresco
Kiewit

Presenters:
Daniel Lee, Principal, BCJ (via Zoom)
Andrew Nielsen, Principal, AMD
Valerie Presley, Project Coordinator, AMD

CU Boulder Campus Presenter:
d'Andre Willis, Assistant Vice Chancellor of Planning and Design /Campus Architect, Facilities Planning

Others Present:
Luc Bamberger, AMD
Michael Bromley, Kiewit
Anthony Pregiato, BCJ (via Zoom)

CU Boulder Campus Representatives Present:
Daniel Gette, Student Affairs
Richelle Goedert, Facilities Planning
Patricia McNally-Leef, Housing Facilities Services
Lindsay Schumacher, Facilities Planning
Edward von Bleichert, Facilities Management Sustainability

Description:
Design Development ("DD") follow-up for Residence One project and site located within the North Boulder Creek neighborhood, specifically regarding brick selection.

A/E Presentation

The DRB met with the design team to review current preferred options regarding the brick selection. No submittal package was required.

DRB Action

Formal action was not required. The group agreed that the preferred brick selection is the General Shale Ballpark blend (smooth face) and that the design team should continue to study the mortar color to achieve the Complementary Mortar color shown during the presentation.

12:30 – 2:30 p.m. **MC2 & NBC1 Parking Garages – *CU Boulder***
Concept Design (Action Requested)

Architects/Consultants:
Anderson Mason Dale Architects
Wenk Associates Landscape Architects
Haselden Construction
Kimley-Horn and Associates, Inc.

Presenters:
John Graham, Principal, AMD
Ben Blanchard, Principal, AMD
Greg Dorolek, Principal Partner, Wenk Associates
Tyler Kiggins, Senior Associate, Wenk Associates

CU Boulder Campus Presenter:
d'Andre Willis, Assistant Vice Chancellor of Planning and Design /Campus Architect, Facilities Planning

Others Present:
Todd Dill, Haselden Construction
Ben Henderson, Kimley-Horn (via Zoom)

Other CU Boulder Campus Representatives Present:
Richelle Goedert, Facilities Planning
Jacob Jackson, Facilities Planning
Amy Kirtland, Facilities Planning
Tom McGann, Parking Services
Josh Porosky, Facilities Planning (via Zoom)

Description:
Concept Design ("CD") workshop for two new parking garages, one at the main campus and one at the North Boulder Creek neighborhood.

A/E Presentation

The design team gave a comprehensive presentation of the submittal package, a copy of which is available upon request through the contact information noted at the bottom of this document.

DRB Comments

A. Energy and Sustainability

- In the next submittal, calculate and provide an embodied carbon estimate for both garages.

- The energy used for EV charging doesn't need to be included in the building's EUI. EV charging is considered an energy export and can be counted with the renewable energy feedback to the grid.

- Continue to study the opportunity for adding solar panels to the roof of the garages.

B. Site & Landscape Architecture and C. Architecture

- Illustrate how the garages are background buildings and also responsive to the context of the surrounding neighborhoods.
  - Carefully consider any added buildings design elements to determine whether they are appropriate additions to "background buildings."
  - The garages will be cast-in-place concrete. Study if there are detail options available for the exterior of the spandrel panels.
  - Continue to study and relate the garages to the context of the site(s).
    - For the MC2 building, consider the Engineering Building immediately to the west.
    - It would be interesting to model one continuous, linear elevation view including the Engineering Building elevation to 28th Street, including the new garage elevation.

- Develop garage lighting plans.
  - Consider the appearance from a pedestrian perspective.
  - How will headlights appear from the outside?
  - Study motion sensor lights.
  - Roofs could help minimize the impact of lights on surrounding building occupants.

MC2 Garage:

- Regarding the landscaping along Regent Drive, the DRB prefers a more naturalized landscape that continues the landscaping from the south.
  - This landscaping may only be temporary and can be designed as such.

- For the exterior screens on the building, "less is more."

- The DRB prefers the inclusion of a building roof and, if possible, the addition of PV.
  - Consider whether reducing or eliminating building screening provides enough budgetary flexibility to include a roof.
  - If the roofs are Add Alternates for both garages, show the base condition image without the roof as well as the Add Alternate image with the roofs. The DRB prefers the option with the roof in both garages.

- The University studied elevator use at the Regent Garage and has concluded that a single elevator is sufficient to maintain normal building operations. The University prefers locating the elevator on the south side of the garage after considering vehicle stacking patterns and pedestrian movements.

- Study the design of the northwest stair with regards to the massing and building massing.

NBC1 Garage:

- The DRB recommends that the retail space on the south side of the garage be replaced with a landscaping solution due to the difficult pedestrian access caused by the required flood grade level change at Athens.

- Explore whether it is possible to move the building south to gain more setback on the north side along Marine Street.

- Continue to study exterior screening options.
  - Screening on the NBC1 building may be more desirable than on the MC2 building.
  - Study whether a different, more opaque screening strategy is needed on the sides of the building that abut residential areas, especially along Marine, 17th, and 18th Streets.
    - The screening does not have to be the same on every side of the building.

DRB Action

Mike Winters moved to approve the Concept Design submittal for the MC2 and NBC1 Parking Garages, contingent upon the comments noted above. Tom Hootman seconded the motion, which passed unanimously.

2:40 – 3:25 p.m. **Folsom Scoreboard – *CU Boulder***
Design Development (Action Requested)

Architects/Consultants:
Populous Architecture
Daktronics

Presenters:
Ryan Sellinghausen, Sr. Associate, Architect, Populous
Erik Cain, Daktronics (via Zoom)

CU Boulder Campus Presenter:
d'Andre Willis, Assistant Vice Chancellor of Planning and Design /Campus Architect, Facilities Planning

Others Present:
Katie Tardiff, Populous

Other CU Boulder Campus Representatives Present:
Jason DePaepe, Intercollegiate Athletics
Richelle Goedert, Facilities Planning
Jacob Jackson, Facilities Planning
Amy Kirtland, Facilities Planning
Ryan Moore, Facilities Planning

Description:
Design Development ("DD") submittal for a new scoreboard and ribbon board at the south end of Folsom Field.

A/E Presentation

The design team gave a comprehensive presentation of the submittal package, a copy of which is available upon request through the contact information noted at the bottom of this document.

The presentation began with viewing a materials board outside in sunlight and shade conditions.

DRB Comments

A. Energy and Sustainability

No comments.

B. Site & Landscape Architecture

- The DRB indicated that maintaining the existing paving pattern is acceptable.

C. Architecture

The DRB indicated its preference for the following:
- Attached Folsom Field signage
- Standard Athletics Department font (Machine BT), with 9° slant
- Silver color scheme for M1 panels

The DRB requested continued study of alternatives to the proposed ladder and ladder guard.

DRB Action

Jody Beck moved to approve the Design Development submittal for the CU Boulder Stadium South Scoreboard, including the comments noted above. Sarah Brown seconded the motion, which passed unanimously.

3:30 – 4:45 p.m. **Engineering and Applied Science Building Renovation – *UCCS***
Pre-Design (Information/Direction)

Architects/Consultants/Contractors:
HDR Architecture Inc.
FTB Architects

Presenters:
Christopher Kleingartner, Principal in Charge, HDR
Tony Mazzeo, Landscape Architect, Principal, HDR
James Braam, Design Principal, HDR

UCCS Campus Presenters:
Fawn Behrens-Smith, Director, Planning, Design & Construction, Campus Architect

Others Present:
Amanda Owens, HDR
Rebecca McFarland, HDR

Other UCCS Campus Representatives Present:
Kim Childress, Campus Planning and Facilities Management (via Zoom)
Mark Ferguson, Campus Planning and Facilities Management (via Zoom)
Don Wright, Planning, Design and Construction

Description:
Pre-Design submittal for strategic renovation and finish updates of 70,019 GSF Engineering and Applied Science Building, plus small, targeted additions.

A/E Presentation

The design team gave a comprehensive presentation of the submittal package, a copy of which is available upon request through the contact information noted at the bottom of this document.

DRB Comments

A. Energy and Sustainability

- Identify opportunities to improve the building envelope and reduce the size and cost of the new HVAC system. Window upgrades could be a good opportunity to improve comfort, reduce energy use, and reduce the cost of the HVAC system.

- Study and articulate the existing energy use and project energy goals. Ensure that the energy modeling is detailed and rigorous enough to evaluate proposed strategies and make cost-effective life-cycle based design decisions.

- Study opportunities to upgrade from natural gas to electricity. This is an important consideration when conducting a major renovation and can better position the building for the future. If the building cannot be electrified, consider making it all-electric ready.

- Consider integrating roof-mounted solar to the project. At a minimum, make the building PV-ready.

- Study energy loss at the skylight. The suggested clerestory would be a better option.

B. Site & Landscape Architecture

- Look at the linear path of the stairs that approach from the campus entrance: How can this path be integrated into the entrance of the building?

C. Architecture

- Explore opportunities to redevelop the existing courtyard space. Can the courtyard create a connection through the building from front to back? Can more usable space be created?

- Study and design a three-floor lobby.
  - The DRB acknowledges that this may not be within the project budget, but encourages the design team to "push the envelope" in its design.
    - A grand entry would create excitement. Can a maker space be incorporated?

- Study the locations of the programed spaces to make room for a wider corridor that connects to the northeast outdoor space.
  - Focus spaces could be programmed along the edges of a wider corridor.

DRB Action

No formal action was required.

The design team discussed adding a workshop to the project schedule in January or February.

There being no further business, the public meeting of the Design Review Board adjourned at 4:50 p.m.

(For assistance with the attachments referenced within this document, please contact Linda Money at (303) 860-6110 or linda.money@cu.edu.)