



Implementation of the Master Plan

**Master Plan Working Group (WG) Presentation
Board Mtg, February 11, 2022**

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Background

Background

2019 Master Plan: The problems we're solving for –

1. Campus facilities and layout limit our mission excellence:
 - A. 35% of classrooms do not meet min. codes (overcrowded); 50% are not adequately proportioned; 55% do not meet project-based standards and fail to meet ADA requirements;
 - B. 78% of student beds are in the LC dorms where all spaces are poorly organized for community life;
 - C. Distribution of Res, Acad, Exp, and Admin across campus and mult bldgs fragments student/cmnty experience;
 - D. Campus experience for students is uneven (e.g. divide between UC and LC living experience);
 - E. Campus bldgs and grounds are not designed/built for sustainability or accessibility.
2. Campus facilities and layout introduce fundamental safety and security risks.
 - A. 78% of students beds are in the LC dorms where all spaces are poorly organized for good supervision;
 - B. The LC dorms sit at the entrance to campus and near a vulnerable perimeter to the east;
 - C. County Rd A11A and County Rd A7 bring public access through campus or along unsecure perimeters.
3. Campus facilities and grounds are in deteriorating condition:
 - A. Facility life safety, MEP, exterior fix, and renewal costs amount to \$55M (escalated through 2035);
 - B. Over last 5 years, we have spent \$5M+ on life safety, MEP, exterior fixes, and other deferred maintenance.

Background

2019 Master Plan: Board's conclusion

After reviewing AOS's Master Plan options, the Board identified Option 3B as its conceptual preference. AOS 3B includes 18 discreet campus projects involving building renovations, new building construction, landscape/drainage, and circulation. Most importantly, AOS 3B fulfills these Master Plan objectives:

1. **Academic** - consolidates all in a new academic quad on LC;
2. **Residential** - consolidates all on UC;
3. **Administration** - consolidates all on one level;
4. **Tie together the LC and UC** - by creating a “central spine”;
5. **Circulation/Security** – improves at campus perimeter.

By selecting Option 3B as its preference, the Board embraced a “**Go for the Gold**” approach to fulfilling the Master Plan objectives.

Background

2021-22: WG's approach to the Master Plan

1. Increased emphasis on the objectives of sustainability, accessibility (ADA), and historical building optimization, as well as the very real issue of affordability.
2. Established a **design team** to develop concrete projects for implementation. This team includes Allan (lead), Conor Reichert (consult arch), Dr. Massoud Moghadam (consult eng) Victoria, and Todd as staff.
3. The design team is exploring an “**Adaptive Reuse**” approach to fulfilling the MP objectives:
 - A. A more affordable and sustainable alternative to the “Go for the Gold” approach;
 - B. Minimizes tear-downs and new buildings by repurposing existing buildings.
4. The design team is focused on a **Campus Core Plan**—adapting the LC Quad to consolidate **Acad**, adapting the Castle to consolidate **Res** and **Admin**, and linking UC and LC with redesigned circulation.
5. As the design team continues developing this plan, it will keep in view the ideas expressed in AOS 3B, as well as in previously proposed variations on this option, and remain open to any new ideas that are supported by adequate analysis.

Background

2021-22: From AOS 3B to WG's Campus Core Plan

	AOS 3B	WG's Campus Core Plan
Academics	3 new bldgs on LC	4 repurposed bldgs (existing dorms) on LC
Residential	Castle (L1-L3): 144 beds New UC dorm: 96 beds	-Castle (LG, L2, L3): 176 beds -Castle addition OR new UC bldg: 30-60 beds
Student Center	Castle LG	-Castle addition/s - Or New UC bldg
Administration	Old Stone Hotel	Castle L1, L4

Background

2021-22: A pathway forward established by the Board in Fall '21

→ Complete revised concept plans, feasibility analyses, and cost estimates for:

- Castle: build-out of existing LG, L2, L3 for Res and existing L1, L4 for Admin – analysis to be completed by Feb '22
- LC Dorms: repurpose for Acad – concept and analysis to be completed by Feb '22
- OSH: repurpose as a multi-use Conf Ctr – concept and analysis to be completed by June '22
 - Not part of the Campus Core Plan but it is a mission-centric project that is consistent with MP objectives and could have appeal to donors.

The President has allocated \$50,000 to fund the remaining concept plans, feasibility analyses, and cost estimates. The analyses include assessments of **relevant codes, accessibility issues, and structural constraints**.

Update: The Oct board meeting and two follow-up discussions with board members in Nov and Dec confirmed this pathway as a sound one and highlighted the importance of addressing previously identified concerns at the Feb board meeting.

Executive Summary

Executive Summary

Key WG conclusions on the feasibility of the Campus Core Plan

1. Existing Castle:
 - A. We can adapt LG, L2, and L3 to house 170+ students, and L4 (S wing) to provide students/employees with spaces for meeting, reading, and study.
 - B. We can adapt out L1 and L4 (SE corner) to house all Admin offices.

2. LC Quad:
 - A. We can adapt all 4 LC dorm bldgs for use as an Acad quad, creating 52,000-69,000 sq ft of academic bldg space, which meets our needs.

3. The Campus Core Plan projects and ensuing ones can be sequenced to accommodate financial constraints and the full operations of the school.

Executive Summary

Key WG conclusions on the feasibility of the Campus Core Plan

4. The WG **recommends** to the Board that we proceed with an adaptive reuse approach, which maximizes the adaptive reuse of existing buildings and minimizes new construction. The WG's recommendation is based on this approach's alignment with our mission, financial constraints, and operational needs. An adaptive reuse approach:
 - A. Reflects our commitment to sustainability;
 - B. Preserves alumni connection to the campus by preserving familiar "spaces";
 - C. Reduces construction costs by roughly 30% against new construction;
 - D. Maximizes our access to Historic Tax Credits and further cost savings;
 - E. Is more expedient;
 - F. Is less disruptive to campus operations.

Executive Summary

Construction cost estimates for alternative approaches (very preliminary)

	AOS 1: Maintain the Status Quo	AOS 3B: Innovate for Impact (1)	WG' Campus Core Plan: Innovate for Impact (1)
	--	"Go for the Gold"	"Adaptive Reuse"
Life safety, MEP, exterior, facility renewal; escalated thru 2035	\$55M	\$27M	\$12M
MP demolition costs	\$0	\$2M - \$3M	\$50,000 – ???
MP remodel costs	\$0	\$13M – 15M (2)	\$27M -- \$33M (3)
MP new construction costs	\$0	\$42M – \$46M (4)	\$15M – \$17M (5)
MP site improvement costs	\$0	\$6M - \$7M	TBD
Total MP construction costs (6)	\$0	\$63M - \$71M	\$42M - \$50M

(1) Based on 2022 cost estimates for new const (\$450/sq ft) and median remodel costs (\$300/sq ft).

(2) Includes Castle LG, L2 and L3, OSH, and Kluge's E wing.

(3) Includes Castle L1-L4 and 50,000 sq ft of repurposed LC acad quad.

(4) Includes new dorm (40,000 sq ft) and 3 new acad bldgs (53,000 sq ft)

(5) Includes Castle addition or new UC bldg (16,000 sq ft) and new construction for lobby/circ in LC acad quad (19,000 sq ft).

(6) Excludes 20%-30% soft costs and 8.39% NMGRT

Executive Summary

Possible sequence/timeline for Campus Core Plan

Step	Project	Sq Ft	Const Cost	Cum Const Costs	Key Outcome	Finish Date
1	Repurpose Castle L1 for Admin	6,500	800,000	n/a	Consolidate Admin on UC	Dec 2023
2	Develop new parking needed for Castle	--	TBD	800,000	Meet Admin needs	Dec 2023
3	Finish Castle L4 for Admin (then Rdg Room)	6,000	2,600,000	3,400,000	Pres, Adv Off to L4	Dec 2023
4	Finish Castle L2 and L3 for Res	27,300	6,000,000	9,400,000	32 to 23 CRs; lose 2 fac off suites; 88 students, LC to Castle	July 2024
5	Repurpose Chom + Mont Blanc for Acad	34,400	12,000,000	21,400,000	New: 9 CRs, 5 Labs, 4 Grp Offices	July 2025
6	Repurpose Castle LG for Res	12,560	2,750,000	30,000,000	32 students, LC to Castle	July 2026
	Build new UC Res and Student Ctr	13,000	5,850,000		53 students, LC to new UC Res	
7	Repurpose Denali + Kili for Acad	34,700	12,000,000	42,000,000	New: 16 CRs, Libr, 2 Grp Offices	July 2027
8	Demo faculty residence B5	n/a	50,000	42,000,000	Connect Kluge & Quad; tie UC and LC together	July 2027
9	Redevelop central link between UC and LC	n/a	TBD	TBD		
10	Re-landscape Oval and re-develop LC parking	n/a	TBD	TBD	Improve LC site/safety	July 2027
11	Remake Kluge's E Wing	TBD	TBD	TBD		
12	Repurpose OSH as multi-use Conf Ctr	18,000	TBD	TBD	BI, CEC, Guest Rms, Other	
13	Complete LC landscape/circulation around OSH	n/a	TBD	TBD	Improve LC site/safety	
	Sub Total	134,400	TBD	n/a		
	TOTAL (incl soft costs and NMGRT)	n/a	TBD	n/a		

Interim result: 230+ beds b/w Castle and 2 LC dorms; Stud Ctr in Castle; 31 CRs and 5 labs on LC; All faculty offices on LC (2 temp)

-Adjacent rows of same shading indicate projects that could be implemented at the same time.

-Outstanding questions: ZZ? Geier? Maint bldg? A-P Hall to remain home of Wilderness? How many fac res do we want? New farm classroom?

Executive Summary

Key question for the Board to address:

1. Does the Board support proceeding with an adaptive reuse approach, maximizing the adaptive reuse of existing buildings and minimizing new construction?
 - A. If **yes**, pursue the next steps:
 - 1) President consults with the WG to determine the best way forward for further developing/executing on Castle and LC Acad Quad projects;
 - 2) Enter intensive architectural and engineering (A&E) phase to:
 - a. Complete concept/schematic design for Castle, LC Acad Quad, and UC/LC central link:
 - Estimated cost = \$1.2M - \$1.5M
 - Opportunity to reduce cost to roughly \$250K by continuing with current design team
 - B. If **no**, determine the grounds for concern and identify next steps.

WG Report

WG Report

Castle Study: Adapt and build-out existing Castle

1. Concept plans

- A. We viewed these in Oct 2021 (see Appendix A for sketches exploring “fit” and general organization)
- B. Remember, we are currently focusing on the build-out of the existing Castle; we will consider new additions or new UC building at a later point in this process.

Castle Study: Adapt and build-out existing Castle (cont)

2. Feasibility analysis

A. Summary of key findings

- 1) Program: No major issues (see Slide 21 for more detail)
- 2) Structure: L4 allows for 50 psf live loading (analogous to classroom); elevator structure can be extended to 4th floor; MEP capacity can be updated as needed.
- 3) Code compliance: All spaces meet or exceed codes for dorm bldgs; emergency egress can be solved in multiple ways (i.e., current egress, current egr modified, current egr w/new intervention); we will need interpretation of regional code official

WG Report

Castle Study: Adapt and build-out existing Castle (cont)

3. Preliminary cost estimates

A. Construction costs for project = **\$11.5M - \$13M**

- 1) Remodel costs range from \$100/sq ft - \$500/sq ft, depending on the intensity of the work required.

B. Additional costs

- 1) Soft costs – typically 20%-30% of construction costs.
- 2) Additional taxes (New Mexico GRT) – 8.39% of the total project cost

WG Report

Castle Study: Adapt and build-out existing Castle (cont)

4. Open issues to address:
 - A. Risk Management Cmte: What is the risk of housing 170+ students in the Castle?
 - B. Risk Management Cmte: Can the Castle be insured with residential use at >50%? At what cost?

Summary of committee response: (to be filled in)

WG Report

Castle Study: Adapt and build-out existing Castle (cont)

4. Open issues to address (cont):

- A. Education Cmte: What would be the quality of student living experience in the Castle if it were occupied by 170+ students and 20+ administrative offices? For 32 students living on LG?

Summary of committee response:

- 1) There is great value in bringing students closer together for the 2 years they're on campus; the Castle can be renovated to provide a coherent, fun, energizing, unifying, experience;
- 2) Proximity of admin shows importance school gives to admin's interaction w/students;
- 3) Density will require designing for adequate RC supervision; creating an intimate "house" feel on each wing; noise reduction; access to private spaces/gathering areas; good plumbing;
- 4) On LG, our main concerns; 1) all rooms (especially those on courtyard) have enough natural light, 2) adequate HVAC systems; 3) solve for perennial plumbing issues;
- 5) SLT question: could more intensive design phase include a noise level study for space/s beneath the dining hall?
- 6) Other?

WG Report

Res Analysis for AOS 3B & WG Campus Core Plan

	CURRENT			AOS 3B			WG Campus Core Plan		
Residential	LC dorms, Castle dorms (2, 3)			Expanded Castle dorms (1, 2, 3), new UC Dorm Bldg			Expanded Castle dorms (G, 2, 3), new Add or UC Bldg		
	#	Avg Sq Ft	Cap	#	Avg Sq Ft	Cap	#	Avg Sq Ft	Cap
Student rooms (2-person)	122	205	244	22	190	44	57	200	114
Student rooms (4-person)	0	0	0	49	420	196	29	420	116
Total Capacity			244			240			230
RC Apts	5	2,370	--	5	1,850	--	5	1,110	--
Common rooms	6	480	--	8	620	--	11	420	--
Study rooms	0	--	--	12	420	--	2	584	--
Shared bathrooms	10	450	--	22	260	--	9	540	--
Laundry	2	400	--	Not considered			3	310	--
<i>TOTAL RES SQ FT</i>	<i>62,000</i>			<i>76,000</i>			<i>74,000</i>		
Student Life	Sq Ft (in Castle)			Sq Ft (in Castle)			Sq Ft (in new Castle Add or UC Bldg)		
Health Office	1,100			1,100			1,000+		
Student Center	6,000			6,000			1,000		
Café	600			600			800		
<i>STUDENT LIFE SQ FT</i>	<i>7,700</i>			<i>7,700</i>			<i>2,800+</i>		

WG Report

LC Acad Quad study: Adapt 4 dorm bldgs for new use

1. Concept plans

A. Review plans

- 1) 3-D renderings (for “feel” only; not based on final decisions regarding design aesthetic, materials, etc.);
- 2) See Appendix B for the floor plan sketches that inform the 3-D renderings (for “fit” and general organization only; not based on final decisions regarding space usage).

WG Report



Looking at north building pair from Quad.

WG Report



Night view of north building pair from Quad.

WG Report



Night view, looking SE through Quad

WG Report



Looking SE through Quad, with SW building and patio extensions on right.

WG Report



From breezeway between north building pair, looking toward Quad.

WG Report



In NE building, looking down new glazed corridor that faces Quad.

WG Report



In SE building, looking down central hallway toward field, with classrooms on either side.

WG Report



A typical classroom on the Ground or 2nd Levels.

WG Report



A typical classroom or lab on the 3rd Level.

WG Report



In SW building, accessing library from 2nd Level connector.

WG Report



In SW building, on Ground Level of library, looking south toward field.

WG Report

C - PROGRAM AND DESIGN APPROACH

ACADEMIC QUAD
SECTION RENDERERS

Building section through
library mezzanine space
(SW bldg)



Building section through Denali Library mezzanine space



Building section through Kilimanjaro classrooms

Building section
through classrooms
(SE bldg)

WG Report

LC Acad Quad study: Adapt 4 dorm bldgs for new use (cont)

2. Feasibility analysis

A. Summary of key findings:

- 1) Program: No major issues (see Slide 38 for more detail)
- 2) Structure: Foundations, shells and roofs are sound and have a total value of \$4-6M; optimization of space requires replacing current floor plates, interior walls, and pillars w/new decking and walls; connectors needed b/w bldg pairs to minimize number of elevators (2); new exter circul as needed for each bldg pair in order to optimize space
- 3) Code compliance: All spaces meet or exceed codes for educational bldgs; emergency egress can be solved with new interventions for each bldg pair.

WG Report

LC Acad Quad study: Adapt 4 dorm bldgs for new use (cont)

3. Preliminary cost estimates

A. Construction costs for this project = **\$23.5M - \$26M**

1) Median remodel cost = \$300/sq ft

2) New construction cost = \$450/sq ft

3) Cost of new construction for similarly sized acad bldgs = \$31M - \$34M

B. Additional costs

A. Soft costs – typically 20%-30% of construction costs.

B. Additional taxes (New Mexico GRT) – 8.39% of the total project cost

WG Report

LC Acad Quad study: Adapt 4 dorm bldgs for new use (cont)

4. Open issues to address

- A. Education Committee: Can we get from these repurposed buildings the quality of classrooms/labs and supporting spaces that we desire?

Summary of committee response:

- 1) Yes, these four buildings can give us the amount of space we need.
- 2) The renovated instructional areas, consolidated around a quad, should provide the space, technology, modernization, and flexibility needed to move UWC-USA forward.
- 3) SLT: Low ceiling heights on Ground and 2nd Levels are not ideal; we will want to see how we can best address this problem (e.g., location/organization of spaces, adequate natural light but not too much solar gain, etc) in the next, more intensive design phase.
- 4) Other?

WG Report

Acad Analysis for AOS 3B & WG Campus Core Plan

	CURRENT (2019)			AOS 3B - Full			WG Campus Core Plan		
Academics	Castle, OSH, ZZ, Geier, Kluge, Lansing			3 new Acad Bldgs, Kluge, Lansing			4 repurposed Acad Bldgs, Kluge, Lansing		
	#	Avg Sq Ft	Capacity	#	Avg Sq Ft	Capacity	#	Avg Sq Ft	Capacity
Total general classrooms	26	400	11-16	28	500	14-20	25	560	16-22
Meet min code	15			28			25		
Well-proportioned	9			28			25		
Meet Proj-based stand.	8			28			25		
Accessible	12			28			25		
Art Studio/s	1	1,900	?	1	1,900	?	1	1,900	?
Theatre	1	5,000	?	1	5,000	?	1	5,000	?
Dance Studio	1	1,100	?	1	1,100	?	1	1,100	?
Music Room/s	1	700	?	7	2,500	?	0		
Outdoor classrooms	1	?	?	0			8	?	?
Science labs	5	720	11	4	960	16	5	860	14
Science storage rooms	?			4	350		6	190	
Computer labs	3	490	?	4	625	?	1	500	?
Library	1	5,000		1	5,000		1	7,000	
Bartos	3	565		1	2,000		0		
General storage rooms	?	?		5	400		5	100	
Individual faculty offices	26+	?	1	28	90		0		
Shared faculty offices	1	400		0			6	450	
Conference rooms	5	?		3	150		3	500	
Fac lounge/kitch/storage	0	0		0			3	450	
TOTAL ACAD SQ FT		42,000			53,000			53,000 - 69,000	

WG Report

More general Open Issues to address:

1. President: Have employees and students had opportunities to share their feedback on the direction of the Master Plan? What are you hearing from them?
2. Finance Cmte: What are the best funding/financing strategies for initiating and sustaining progress toward completing the Master Plan?
 - A. For this meeting: Should we pursue historic tax credits and/or new market tax credits to help fund MP projects? What are the implications for the Board to consider?
3. Facilities Cmte: Which CapEx projects will we pursue in 2022-23 in light of the current Master Plan direction?

Discussion

Key question/s for the Board to address:

1. Does the Board support proceeding with an adaptive reuse approach, maximizing the adaptive reuse of existing buildings and minimizing new construction?
 - A. If yes, pursue the next steps:
 - 1) President consults with the WG to determine the best way forward for further developing/executing on Castle and LC Acad Quad projects;
 - 2) Enter intensive architectural and engineering (A&E) phase to:
 - a. Complete concept/schematic design for Castle, LC Acad Quad, and UC/LC central link:
 - Estimated cost = \$1.2M - \$1.5M
 - Opportunity to reduce cost to roughly \$250K by continuing with current design team
 - B. If no, determine the grounds for concern and identify next steps.

Appendix

Appendix A

Castle Sketches

Ground Level (LG)

- Residences
 - 32 beds (green)
 - 2 common spaces / 1 laundry room (red)
 - 2 shared bathrooms (aqua)
 - 1 RC apartment (yellow)
 - 1 flex room (yellow)
 - Circulation (blue)



Appendix A cont.

Castle Sketches

Level 3

- Residences in N, E, and S wings, and in new W addition
 - 70 beds (green)
 - 5 common rooms / 1 laundry room (red)
 - 3 shared bathrooms (aqua)
 - 2 RC apartments (yellow)
 - 1 flex room (yellow)
 - Circulation and stair (blue)



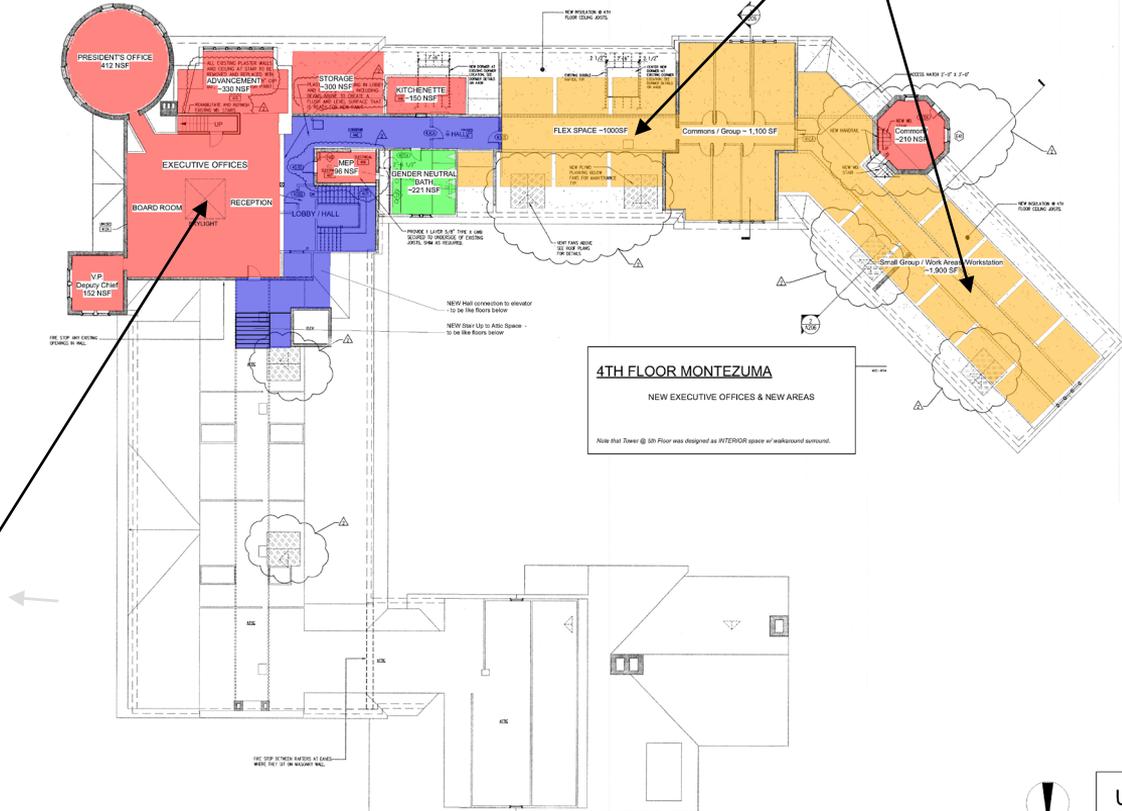
Appendix A cont.

Castle Sketches

Level 4

- Executive and Advancement offices (red)
- Flexible meeting, reading, study spaces (orange)
- 1 Restroom (green)
- Circulation and elevator service (blue)

Executive & Advancement Offices



Meeting, reading, study spaces

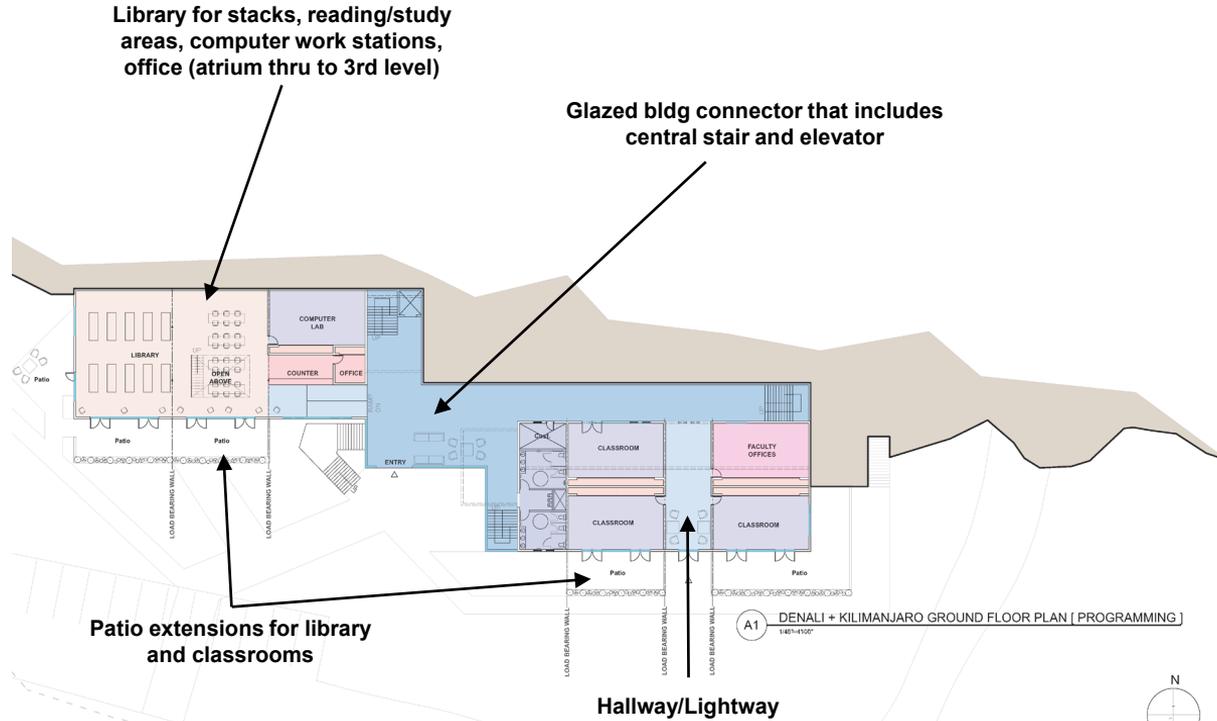
Appendix B

LC Acad Quad Sketches

Lowest Topo Level*

- North bldgs not on this elevation
- Ground Level of South bldgs
- Classrooms (purple)
- Group offices (pink)
- Circulation (blue)
- Other supporting spaces (i.e. bathrooms, storage)

*The Quad is on a slope and involves four different elevations.



THIRD FLOOR QUAD

MONT BLANC + CHOMOLUNGA
 4 CLASSROOMS @ 500 NSF between 1.1 & 2.3 and
 1 SCIENCE LABS @ 800 NSF between 1.1 & 2.3 and
 1 Science Lab Storage @ 100 NSF
 Common Spaces / Circulation = 4,800 GSF
 2 RR (NEW) = 3 Features Each
 TOTAL RR = 6 @ 500/1 R/R = 300 ppt capacity
 DENALI + KILIMANJARO
 Library / Study Space = 1,400 NSF
 7 CLASSROOMS @ 500 NSF between 1.1 & 2.3 and
 Common Spaces / Circulation = 4,200 GSF
 2 RR (NEW) = 3 Features Each
 TOTAL RR = 6 @ 500/1 R/R = 300 ppt capacity

SECOND FLOOR QUAD

MONT BLANC + CHOMOLUNGA
 5 CLASSROOMS @ 500 NSF between 1.1 & 2.3 and
 2 SCIENCE LABS @ 800 NSF between 1.1 & 2.3 and
 1 Science Lab Storage @ 100 NSF
 Common Spaces / Circulation = 4,700 GSF
 2 RR (NEW) = 3 Features Each
 TOTAL RR = 6 @ 500/1 R/R = 300 ppt capacity
 DENALI + KILIMANJARO
 Library / Study Space = 2,776 NSF
 5 CLASSROOMS @ 500 NSF between 1.1 & 2.3 and
 Common Spaces / Circulation = 3,300 GSF
 2 RR (NEW) = 3 Features Each
 TOTAL RR = 6 @ 500/1 R/R = 300 ppt capacity

GROUND FLOOR QUAD

MONT BLANC + CHOMOLUNGA
 1 Conference / Meeting Room @ 450 NSF
 1 Shared Group Faculty Office @ 450 NSF
 1 Faculty Lounge w/ Kitchen @ 570 NSF
 1 Faculty Lab Room / Storage w/ Printer @ 500 NSF
 1 Shared Group Faculty Office @ 1,050 NSF
 1 Conference @ 550 NSF
 Faculty Kitchen Breakroom @ 348 NSF
 Common Spaces / Circulation = 4,800 GSF
 2 RR (NEW) = 3 Features Each
 TOTAL RR = 6 @ 500/1 R/R = 300 ppt capacity
 DENALI + KILIMANJARO
 Library = 2,000 NSF
 Library Office & Counter @ 301 NSF
 Computer Lab / Tech Desk @ 200 NSF
 3 CLASSROOMS @ 500 NSF between 1.1 & 2.3 and
 1 Faculty Group Office @ 500 NSF
 2 RR (NEW) = 3 Features Each
 TOTAL RR = 6 @ 500/1 R/R = 300 ppt capacity
 Common Spaces / Circulation = 4,300 GSF

UWC [QUAD] PROJECT Q | OPTION VS |

25 CASTLE LN.
Montecuma, NM 87731

PHASE:
DATE: JANUARY 2022
REV:
DRAWN BY: SCR, DA

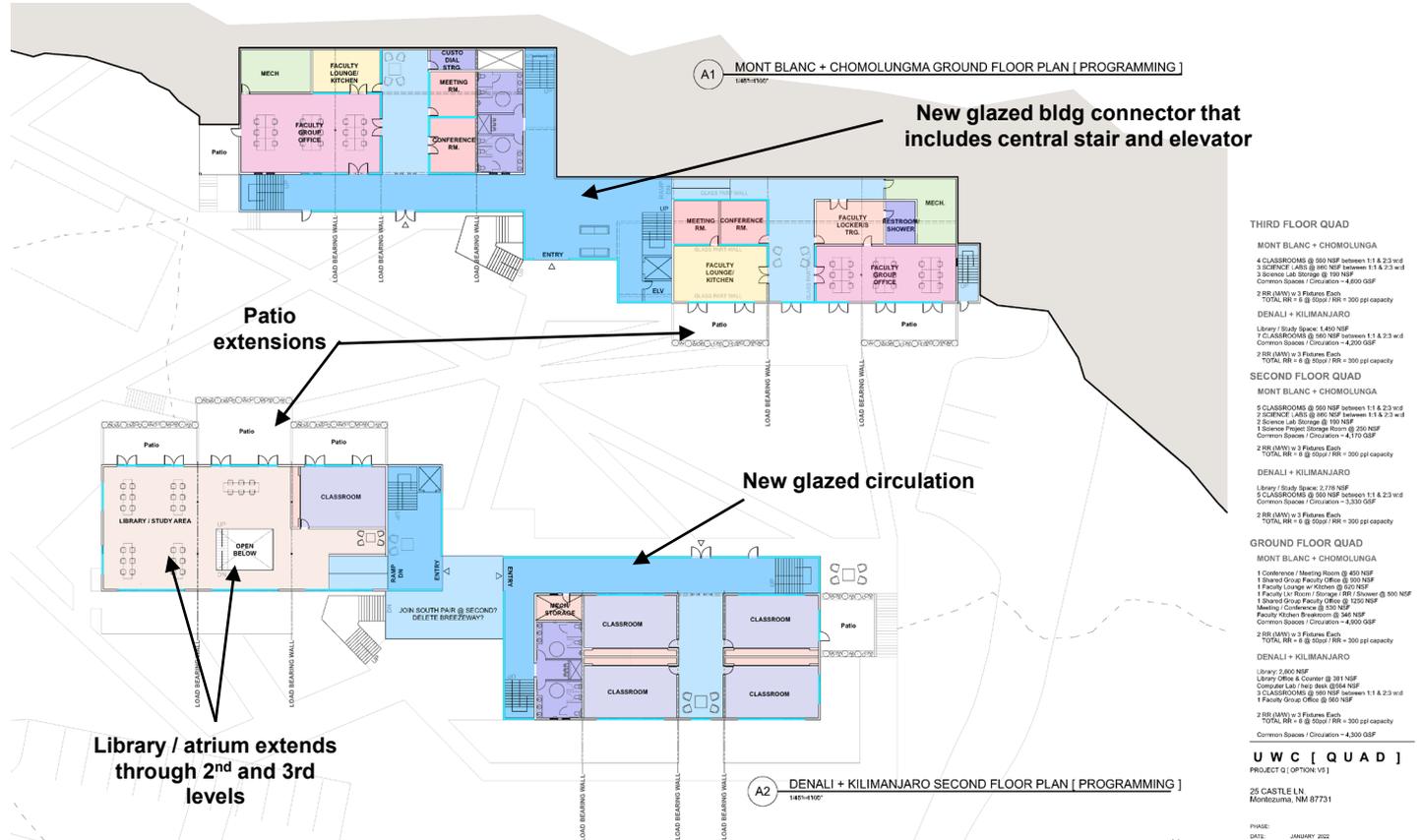


Appendix B cont.

LC Acad Quad Sketches

Middle-low Topo Level

- Ground Level of North bldgs
- Second Level of South bldgs
- Classrooms (purple)
- Group offices (pink)
- Bathrooms (peach)
- Circulation (blue)
- Faculty café (yellow)
- Other supporting spaces (i.e. bathrooms, storage)



Library / atrium extends through 2nd and 3rd levels

Patio extensions

New glazed circulation

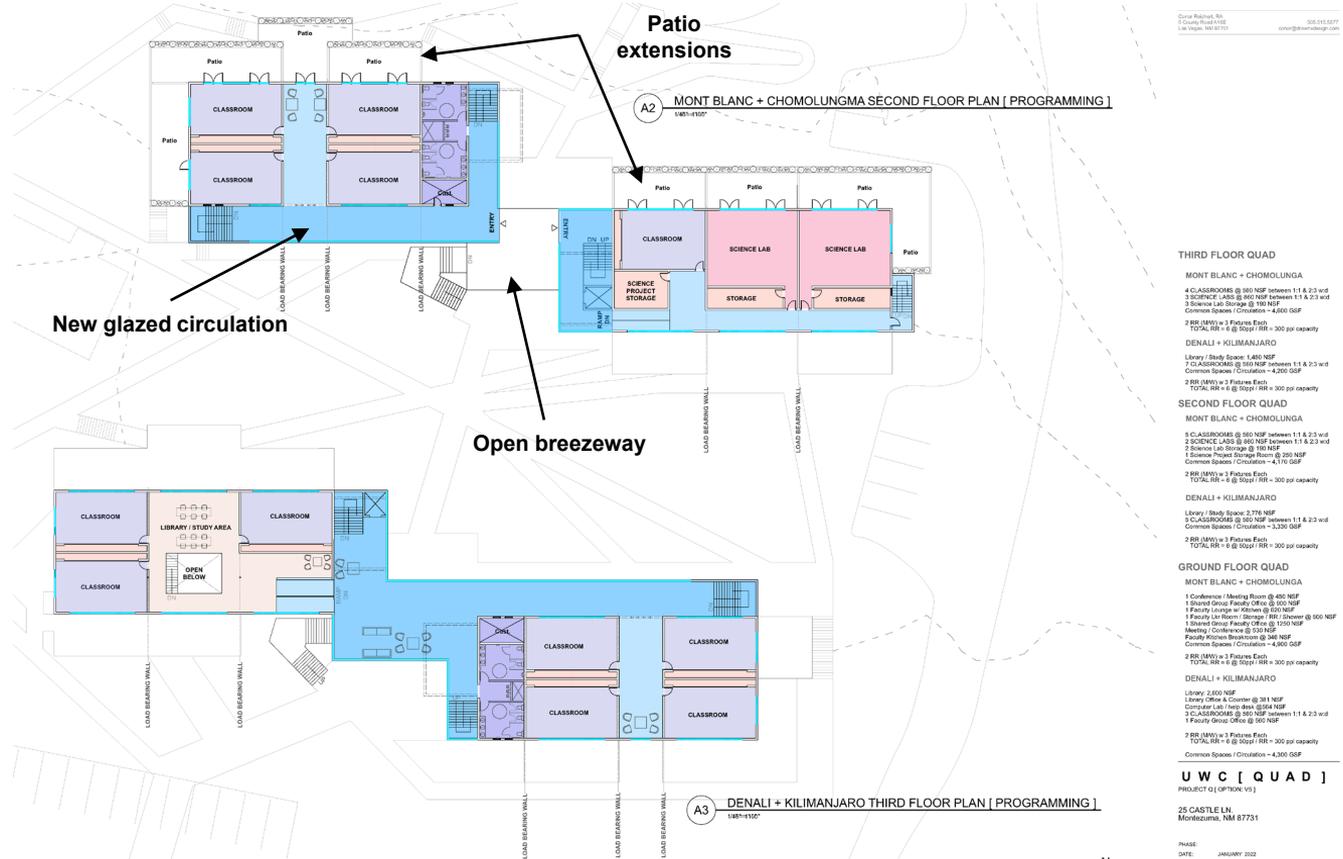
New glazed bldg connector that includes central stair and elevator

Appendix B cont.

LC Acad Quad Sketches

Middle-high Topo Level

- Second Level of North bldgs only
- Third Level of South bldgs
- Classrooms (purple)
- Labs (pink)
- Circulation (blue)
- Other supporting spaces (i.e. bathrooms, storage)

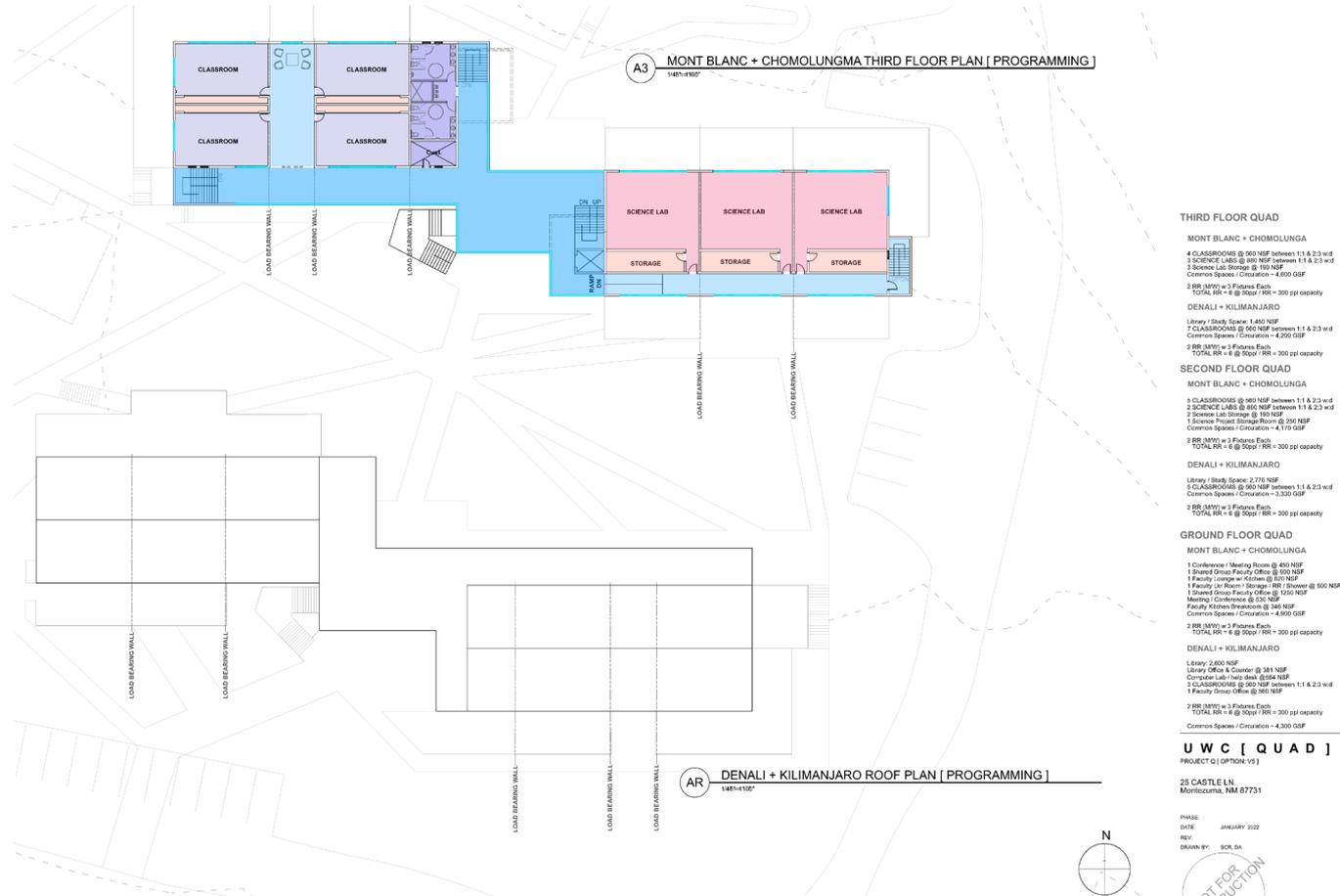


Appendix B cont.

LC Acad Quad Sketches

Highest Topo Level

- Third Level of North bldgs only
- South bldgs not on this elevation
- Classrooms (purple)
- Labs (pink)
- Circulation (blue)
- Other supporting spaces (i.e. bathrooms, storage)



Appendix C

Links to study resources

[UWC-USA Campus Core Plan: Castle + Academic Quad Adaptive Reuse Feasibility Study](#)

- A 90-page report prepared by our design team

[Engineering Report for Castle and LC Acad Quad Projects](#)

- A 3-page report prepared by our consulting engineer

[Memo on Preliminary Code Analysis for Build-out of N Wing of Castle](#)

- A 2021 memo prepared by AOS (relevant to our larger Castle project)

[Data for Preliminary Cost Analysis for Castle and LC Acad Quad Projects](#)

- Data prepared by our design team