

An aerial photograph of the Belmont Public Library and its surroundings. The library building is a large, multi-story structure with a prominent central tower. It is surrounded by a large parking lot filled with cars. To the left of the library is a large, open field. To the right is a dense forest. A road runs along the bottom of the image, with several cars parked along the side. The text "Belmont Public Library" is overlaid in white, bold, sans-serif font, centered horizontally and partially overlapping the library building and the parking lot.

# Belmont Public Library

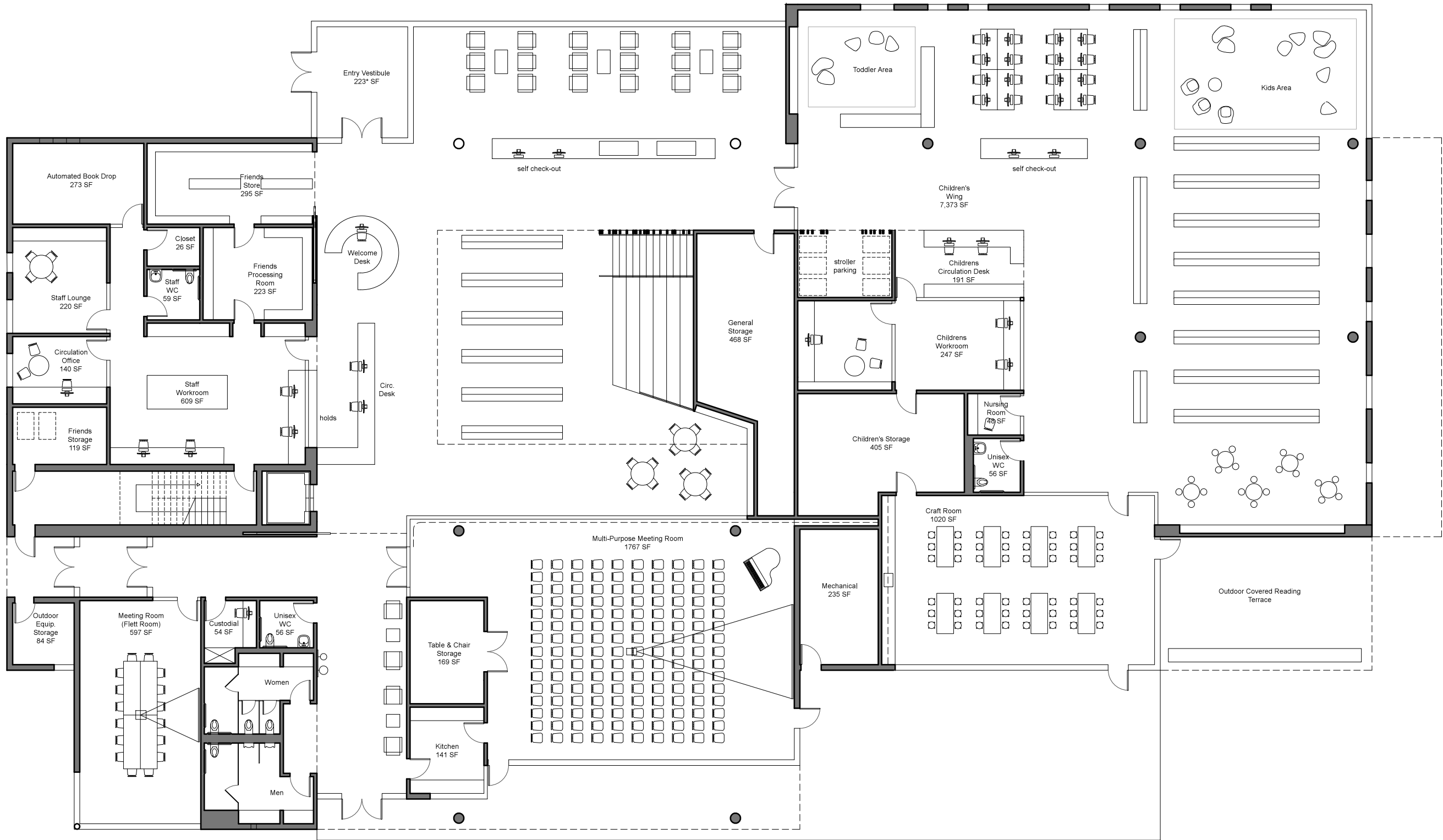
LBC Meeting #12 June 4, 2019

Oudens Ello Architecture



An aerial photograph of a campus, likely a university or government building complex. The image shows a large, multi-story building with a complex roofline, surrounded by extensive parking lots filled with cars. A wide road with multiple lanes runs diagonally across the lower half of the image. The background is filled with dense green trees. The entire image is overlaid with a semi-transparent dark grey filter.

# Design Review

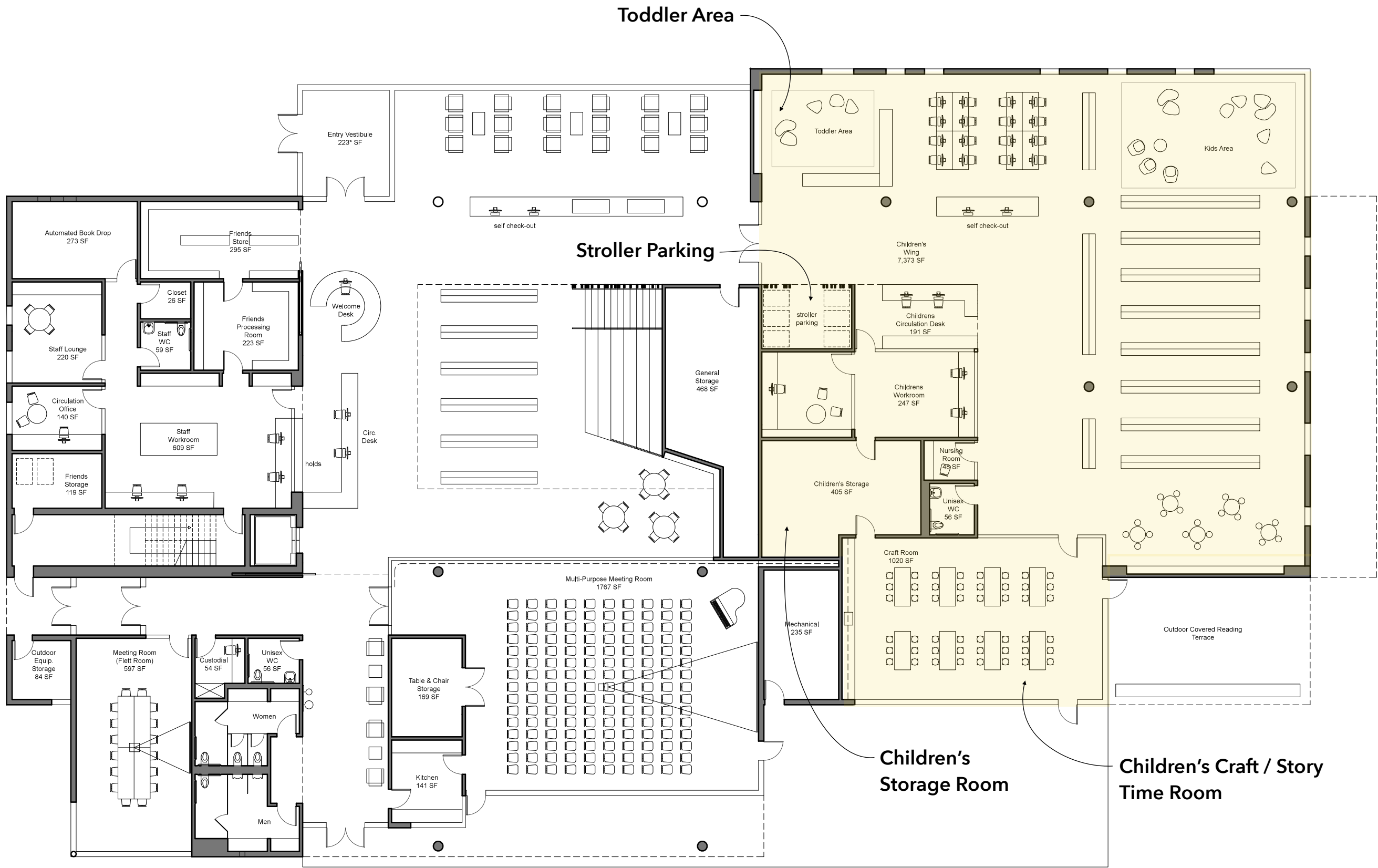


First Floor	20,390
Second Floor	19,623
Mechanical Penthouse	2,000
<b>Total Square Footage</b>	<b>42,013 GSF</b>

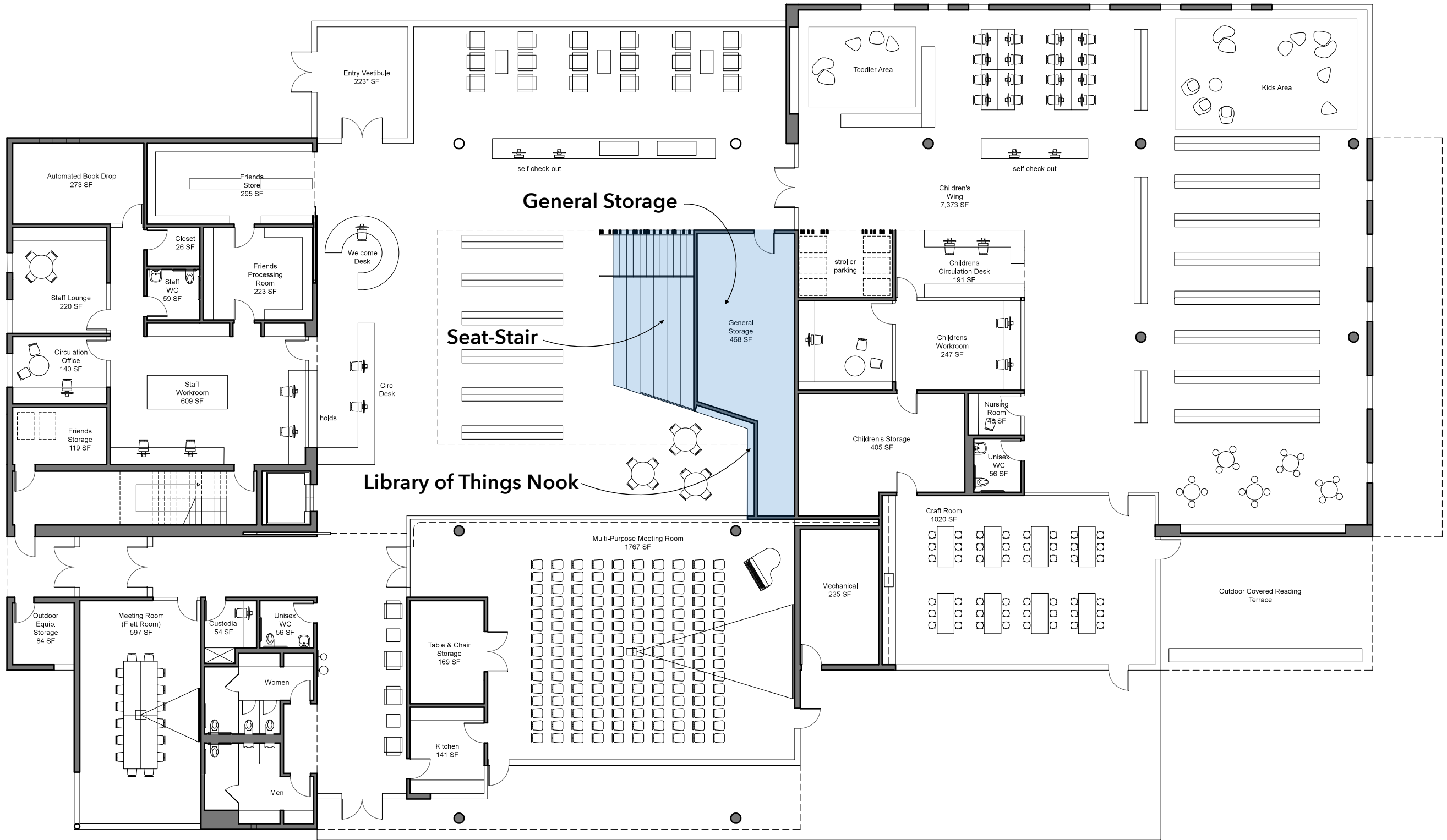




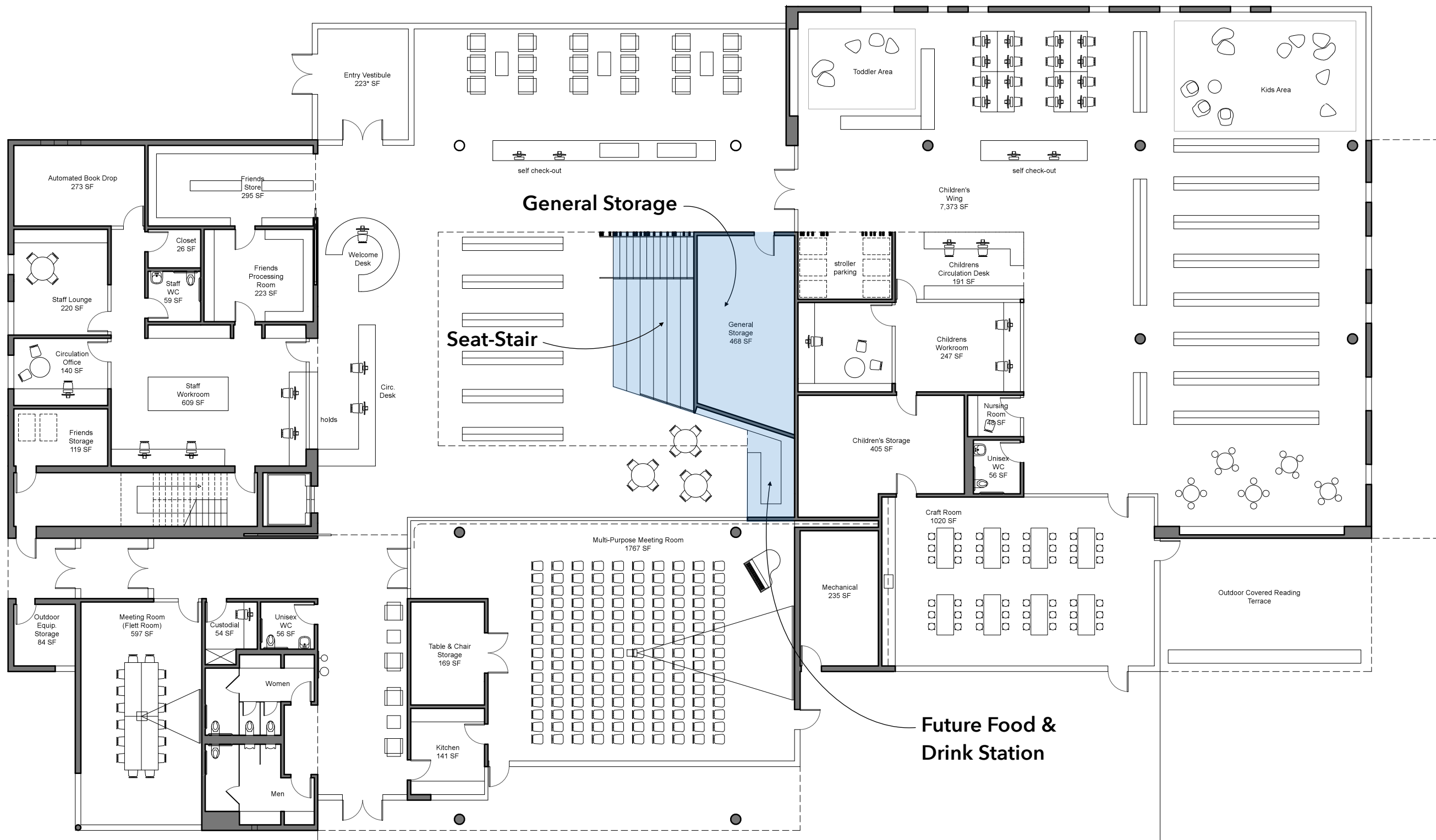
First Floor Plan Updates



First Floor Plan Updates



First Floor Plan Updates



**General Storage**

**Seat-Stair**

**Future Food & Drink Station**

**First Floor Plan Updates**



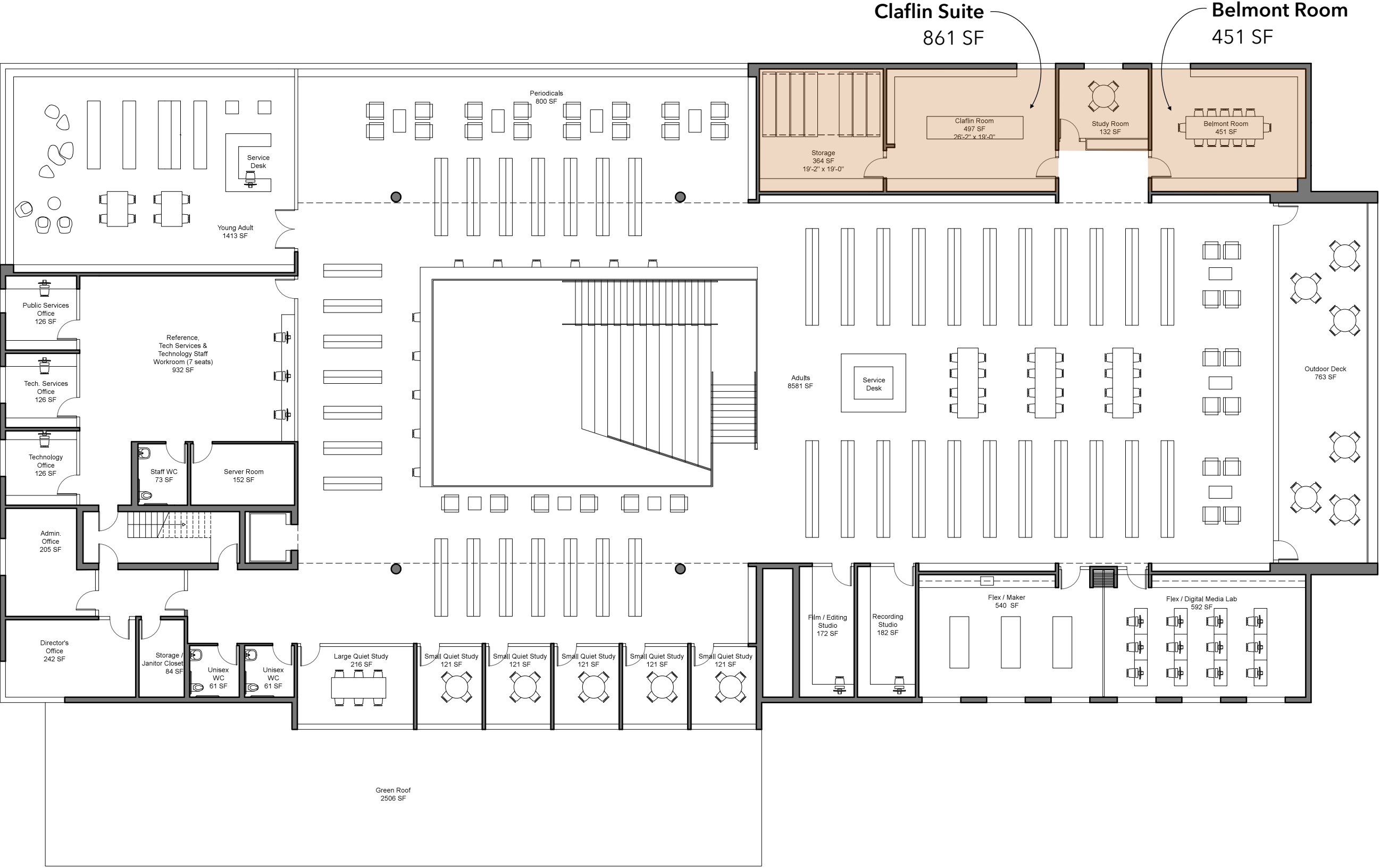


**Library of Things Nook**





**Future Food & Drink Station**



Second Floor Plan Updates



**54.7% Glass**  
**45.3% Solid**

Floor-to-Ceiling Glazing in Children's Wing  
Tall Clerestory extending for much of the length of the building





**44.4% Glass (-10.3%)**  
**55.6% Solid (+10.3%)**

Additional brick panels at Children's Wing  
Reduced Clerestory length



**Current Design** Concord Avenue Facade



54.7% Glass  
45.3% Solid

Floor-to-Ceiling Glazing in Children's Wing





**44.4% Glass (-10.3%)**  
**55.6% Solid (+10.3%)**

Added brick panels in Children's Wing



**Current Design** Concord Avenue Facade



Input in blue cells

### Building Information: Belmont Library (May 21, 2019)

#### C402.1.5 Component Performance Alternative

	Proposed Design		WWR
	Area (SF)	U-Value	
Window + Wall	24,680.0		54.7%
Window	12,764	0.33	
Wall	11,916	0.05	
Roof	23,288	0.025	

\* NOTE: U Window MUST be assembly and not center-glass U

#### A Calculations

	UA Proposed	UA Table	
Window	4,212	4,850	3751.4
Wall	596	763	947.7
Roof	582	745	745.2
	5,390	6,358	5444.3

A	-968
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#### D Calculations

$D = (DA * UV) - (DA * U \text{ Wall})$ , but not less than zero

DA	2,892
D	810

#### A + B + C + D + E ≤ Zero

-158	Passed
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We Assumed that the foundation and underground walls meet IECC2018 requirements and therefore, C and D are "0". There is no skylight and therefore E is "0"

Input in blue cells

### Building Information: Belmont Library (June 4th, 2019)

#### C402.1.5 Component Performance Alternative

	Proposed Design		WWR
	Area (SF)	U-Value	
Window + Wall	24,680.0		44.4%
Window	10,962	0.33	
Wall	13,718	0.05	
Roof	23,288	0.025	

\* NOTE: U Window MUST be assembly and not center-glass U

#### A Calculations

	UA Proposed	UA Table	
Window	3,617	4,166	3751.4
Wall	686	878	947.7
Roof	582	745	745.2
	4,886	5,789	5444.3

A	-903
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#### D Calculations

$D = (DA * UV) - (DA * U \text{ Wall})$ , but not less than zero

DA	1,090
D	305

#### A + B + C + D + E ≤ Zero

-598	Passed
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We Assumed that the foundation and underground walls meet IECC2018 requirements and therefore, C and D are "0". There is no skylight and therefore E is "0"


An aerial photograph of a school campus, likely a high school, featuring a large central building, several parking lots filled with cars, and a multi-lane road running diagonally across the foreground. The image is overlaid with a semi-transparent dark grey filter.

# ZNE Study Updates



## ZNE Report Updates

1. **State R-Value assumptions for wall, roof, glass**
2. **Address potential to add PV capacity**  
(i.e. larger contiguous roof area)
3. **Address potential to reduce glazing**  
to manage heat gain and mechanical costs
4. **Account for Belmont Light renewable energy assumptions**
5. **List available incentive programs**

An aerial photograph of a school campus, featuring a large central building, several parking lots filled with cars, and a road with traffic. The image is overlaid with a semi-transparent dark grey filter. The text "Online Survey & Building Project Website" is centered in white, bold, sans-serif font.

# Online Survey & Building Project Website



## Four Types of Questions

1. **Basic respondent information**  
(age, how often you visit)
2. **Level of community process participation**  
(have you participated, how do you keep informed about the project)
3. **What services/spaces/activities are most important in the eyes of the respondent**
4. **Level of satisfaction with the preliminary library plans and the overall community process to date**



Question 1 **Do you currently use the public library?**

- All the time (once or more a week)
- Often (once or twice a month)
- Rarely (once or twice a year)
- Never
- Prefer not to answer

Question 2 **What is your age group?**

- Under 18 years old
- 18-29 years old
- 30-49 years old
- 50-69 years old
- 70+ years old
- Prefer not to answer



**Question 3    Have you participated in the Library Building Project community process to date? Select all that apply.**

- Yes, I attended a recent Public Forum as part of the Schematic Design phase
- Yes, I attended a Public Forum during the Feasibility Study phase
- Yes, I completed the online New Building Feasibility Survey in 2017
- No, this survey is my first time participating

**Question 4    How do you stay informed about the Library Building Project? Select all that apply.**

- Project website
- Email announcements
- Posters around town
- Word of mouth
- I have not been well informed about the library project



Question 5    **Which of these library SERVICES is most important to you in the new library? Please choose your top three.**

- Holds + Drop Off
- Borrowing Materials
- Browsing Collection
- Reference Services
- Using a Computer/Print/Copy
- Seating
- Library Programming
- Accessibility and Parking

*Share any additional ideas / comments regarding preferred library services:*



Question 6    **Which of the following library SPACES are most important for you to have in your library?  
Please choose no more than five options.**

- Adults + Reference
- Books, Movies, Music
- Children's
- Creative Studio/Lab
- Local/Belmont History
- Outdoor Space
- Quiet Study Space
- Rooms for Community Use
- Space to Work Together
- Technology Hub
- Teen Space

*Share any additional ideas / comments regarding important spaces at the library:*

Question 7    **Which of the following library ACTIVITIES are most important to you in your library? Please choose no more than five options.**

- Community Events
- Creating + Making
- Entertainment + Programs
- Gaming + Computers
- Group Study + Collaborating
- Learning + Tutoring
- Outdoor Reading + Programs
- Quiet Reading + Studying
- Socializing + Hanging Out

*Share any additional ideas / comments regarding preferred community activities at the library:*



Question 8    **What qualities do you value most about the USER EXPERIENCE of the new library? Please choose your top three.**

- Acoustics
- Daylight
- Flexibility
- Security
- Technology
- Views
- Warm + Welcoming Materials
- Wayfinding

*Share any additional ideas / comments regarding user experience at the library:*

Question 9    **What qualities do you value most about the APPEARANCE and PERFORMANCE of the new library? Please choose your top three.**

- Civic Presence
- Forward Looking
- Indoor + Outdoor Connections
- Sustainable
- Traditional
- Transparent + Open
- Warm + Welcome

*Share any additional ideas / comments regarding appearance or performance of the new library:*



Question 10 **Do the preliminary library plans meet your expectations for the new library? Please share additional thoughts and suggestions below.**

5 – Very Satisfied

4 – Satisfied

3 – Neutral

2 – Dissatisfied

1 – Very Dissatisfied

*Please share additional comments:*

Question 11 **Have you found the public process to be well-advertised, informative and receptive to your input? Please share additional thoughts and suggestions below. We appreciate your feedback!**

5 – Very Satisfied

4 – Satisfied

3 – Neutral

2 – Dissatisfied

1 – Very Dissatisfied

*Please share additional comments:*



