

Westwood Public Schools

**Hanlon-Deerfield
Elementary School Building
Project**

School Building Committee

8 July 2021



AGENDA

1. Updates on Work Plan
2. Updates on Meetings
 - a. Aesthetics and Design Working Group
 - b. Sustainability Subcommittee
 - c. Preview of Building Systems Subcommittee
 - d. User Group meetings and floor plan updates
3. Playground Concept Review
4. Proprietary Items Review

UPDATE: Design Development Work Plan



May 26 – June 11

(completed)

Meetings with:

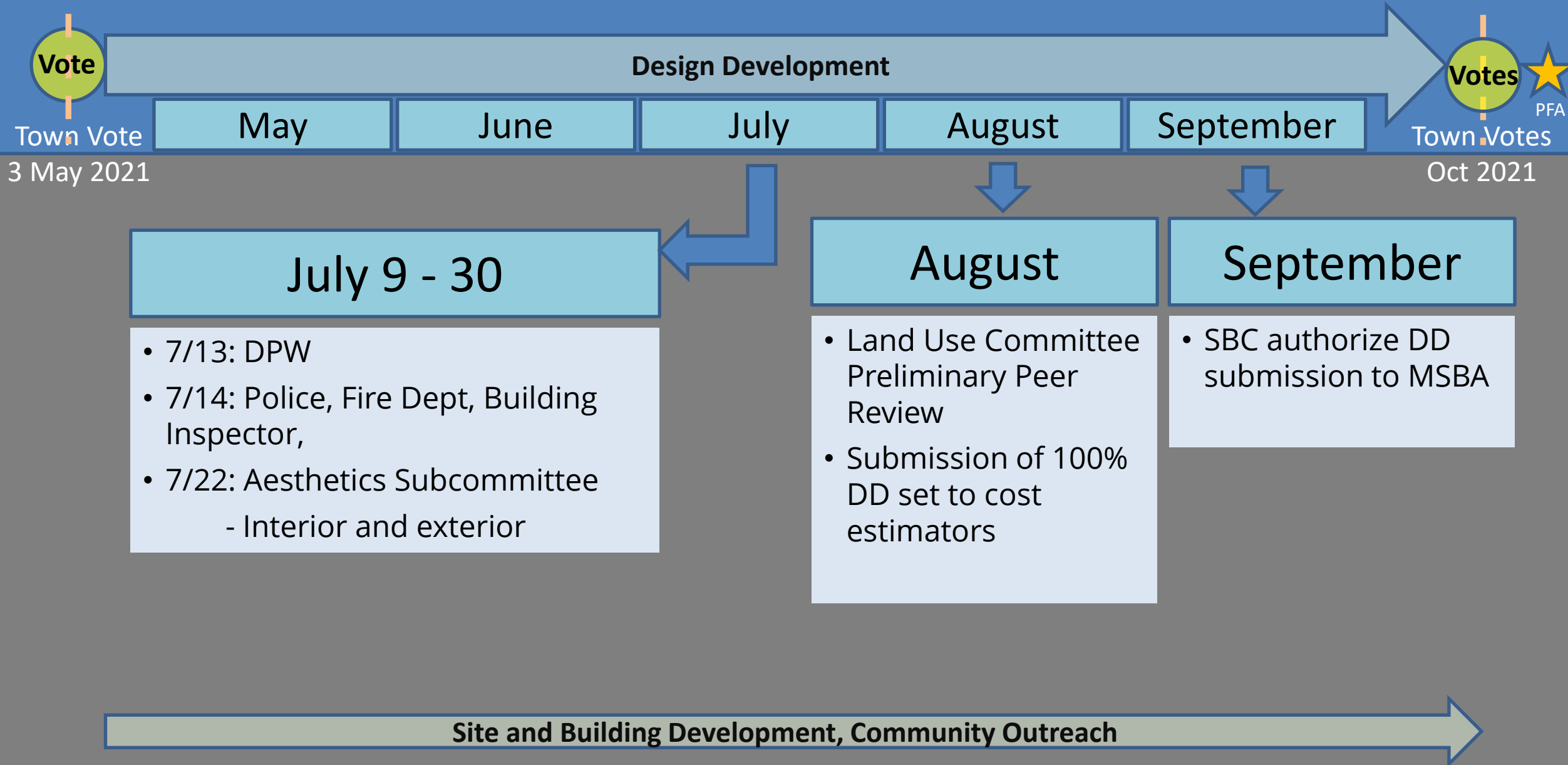
- Faculty/Staff
- Technology
- Students
- Sustainability Subcommittee
- Kitchen
- Custodial/Maintenance

June 17 – July 8

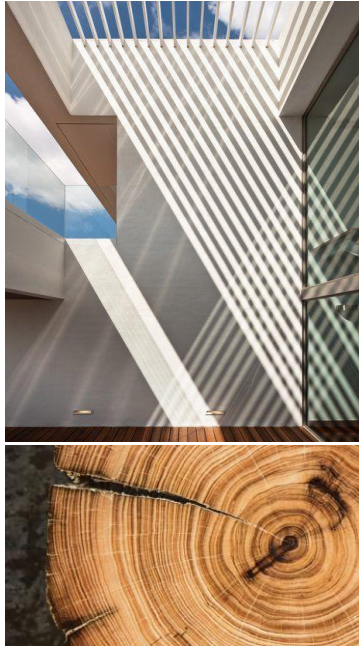
Meetings held or scheduled:

- Aesthetics subcommittee
- Board of Health
- SBC Progress review
- Building systems subcommittee
 - HVAC, electrical, plumbing, security systems

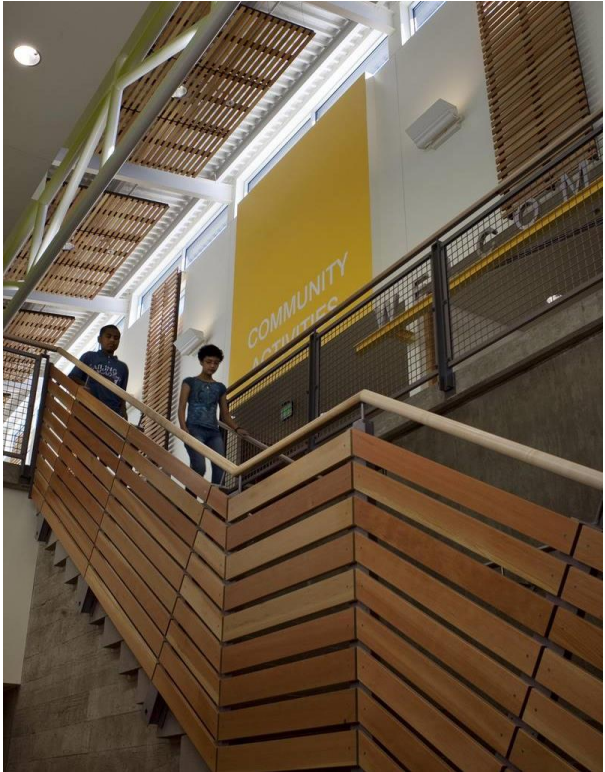
UPDATE: Design Development Work Plan



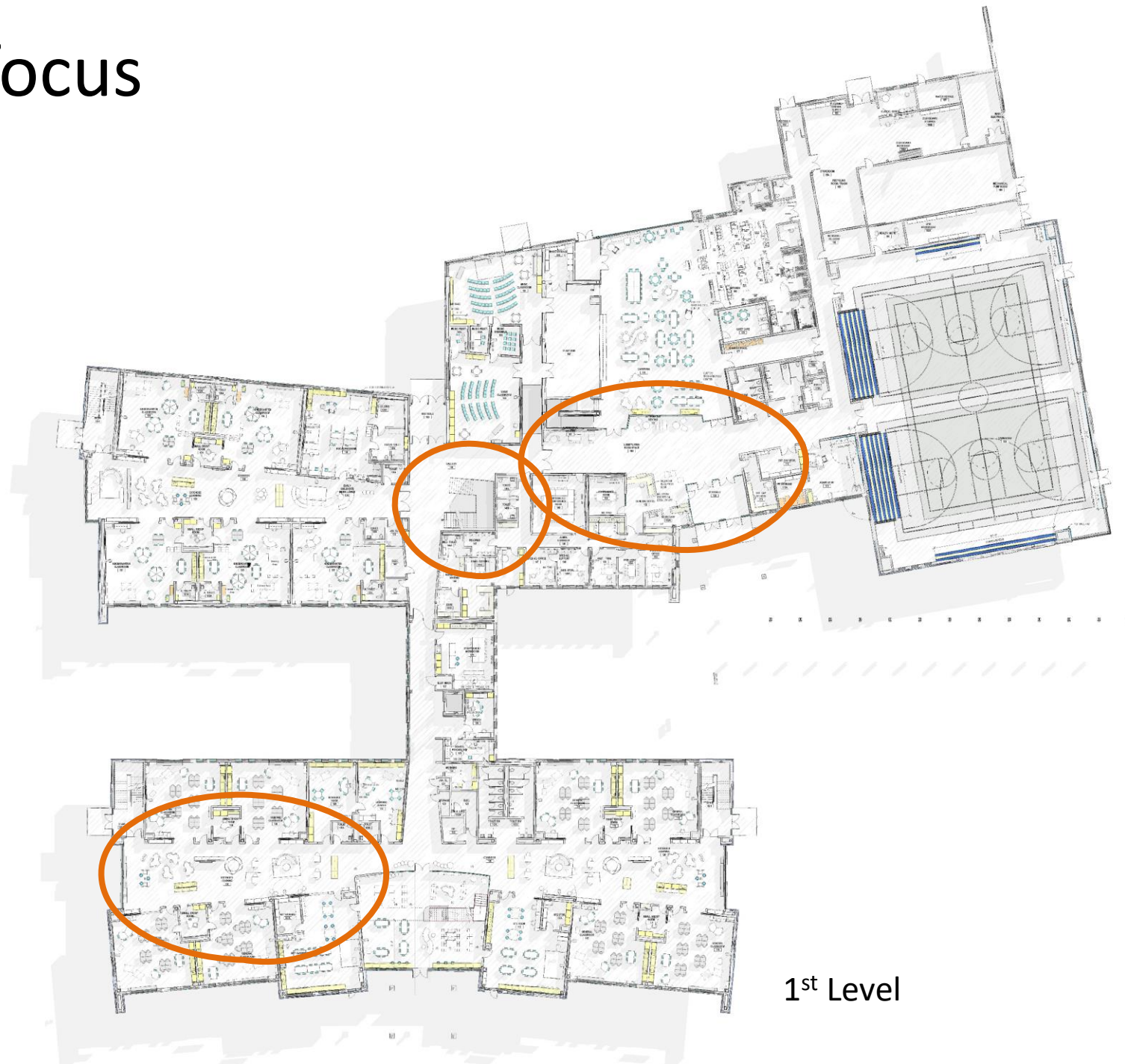
Hanlon Elementary School – Interior Inspiration



Hanlon Elementary School – Interior Inspiration

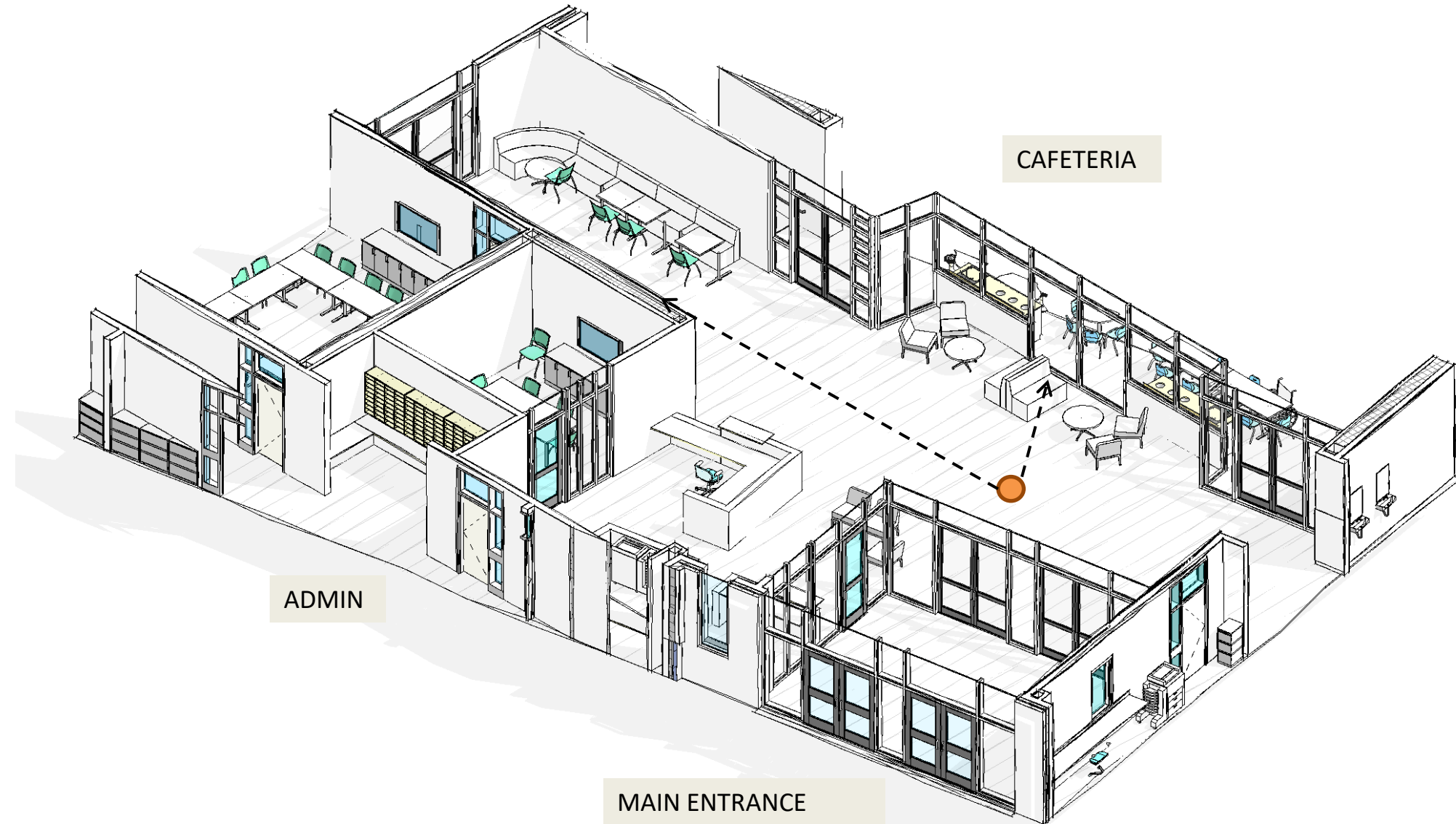


Areas of focus

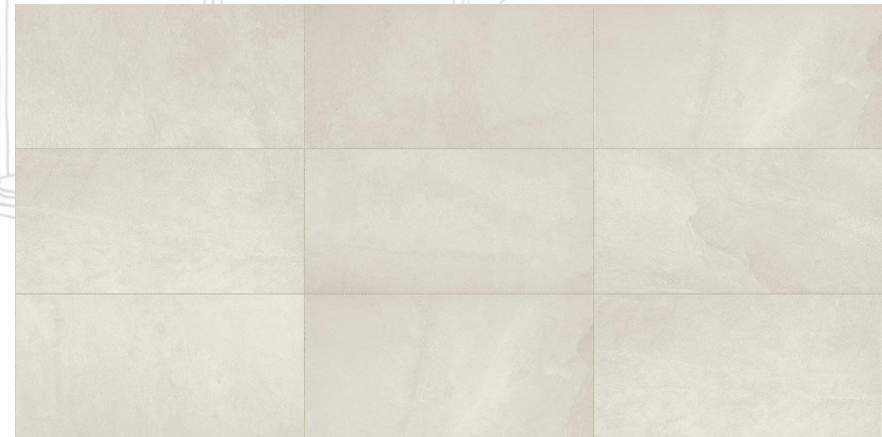
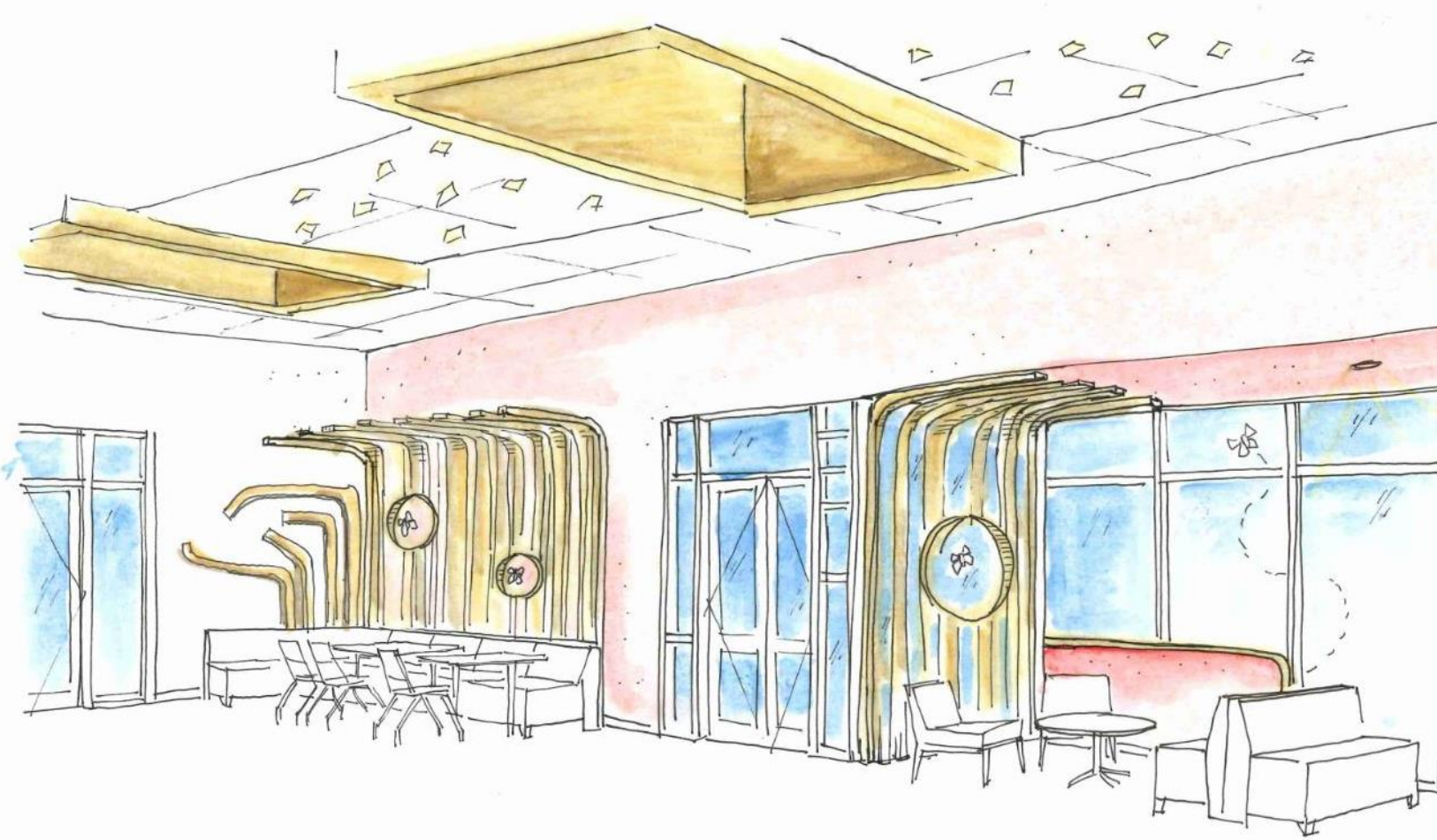


1st Level

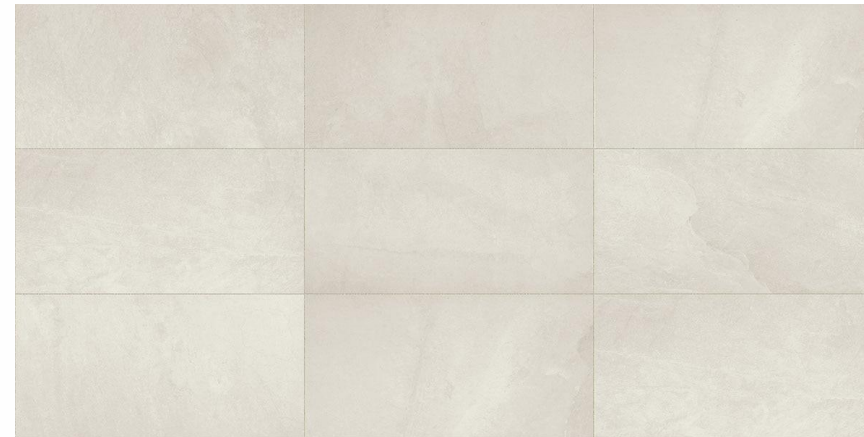
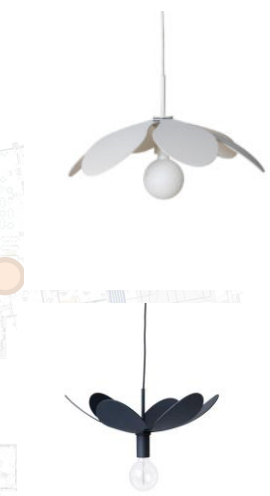
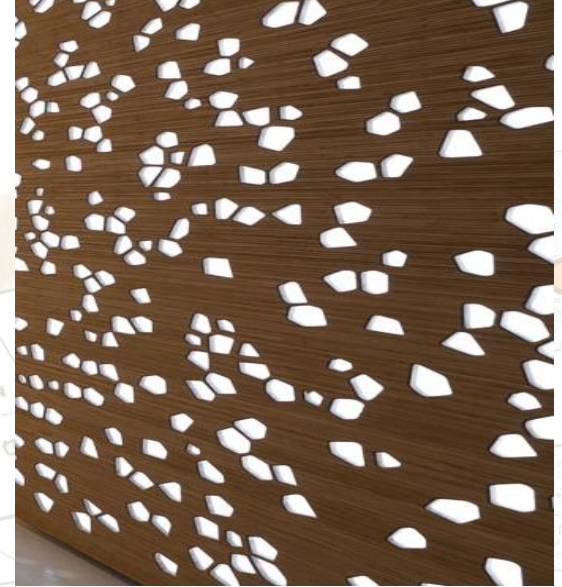
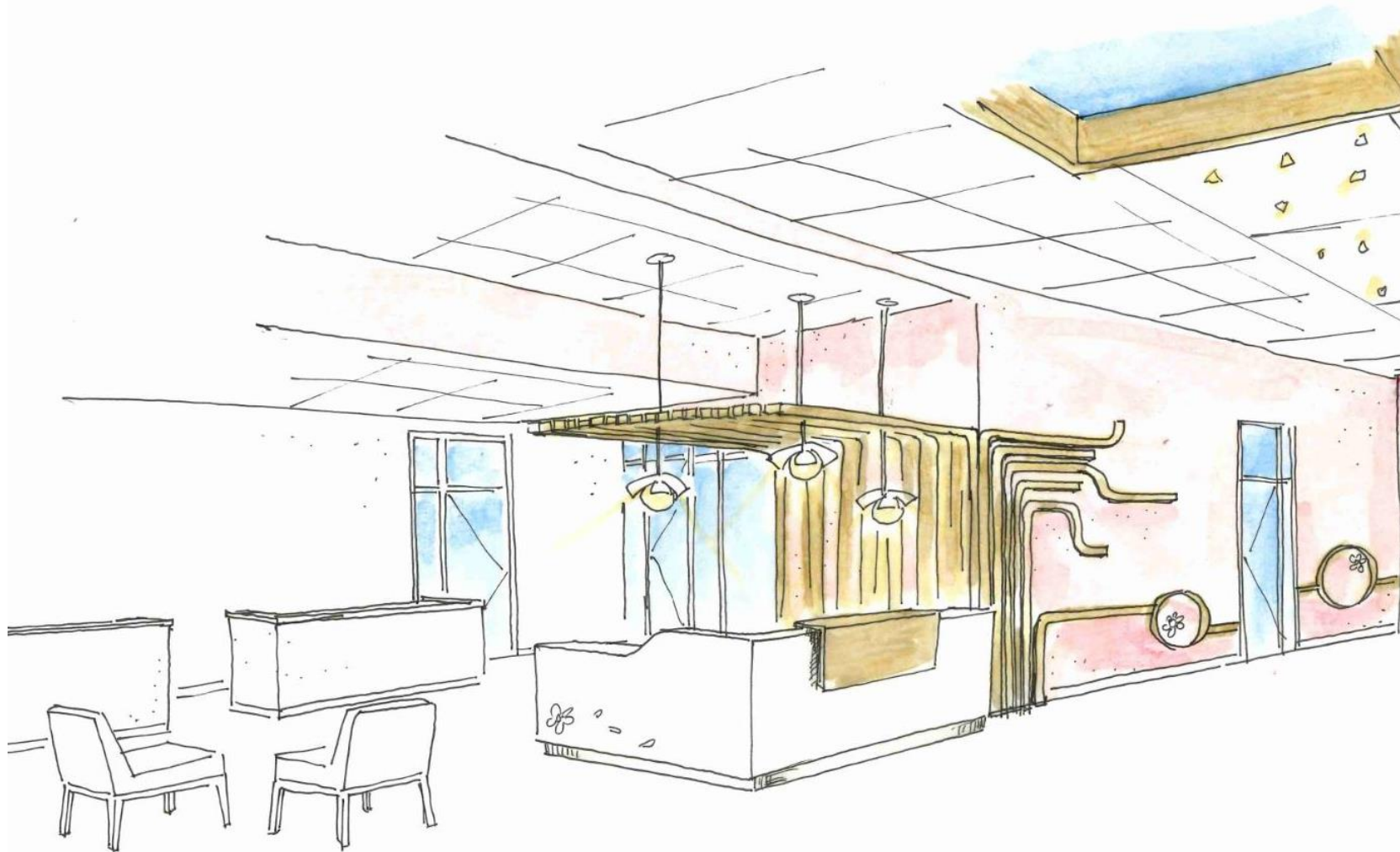
Living room/lobby



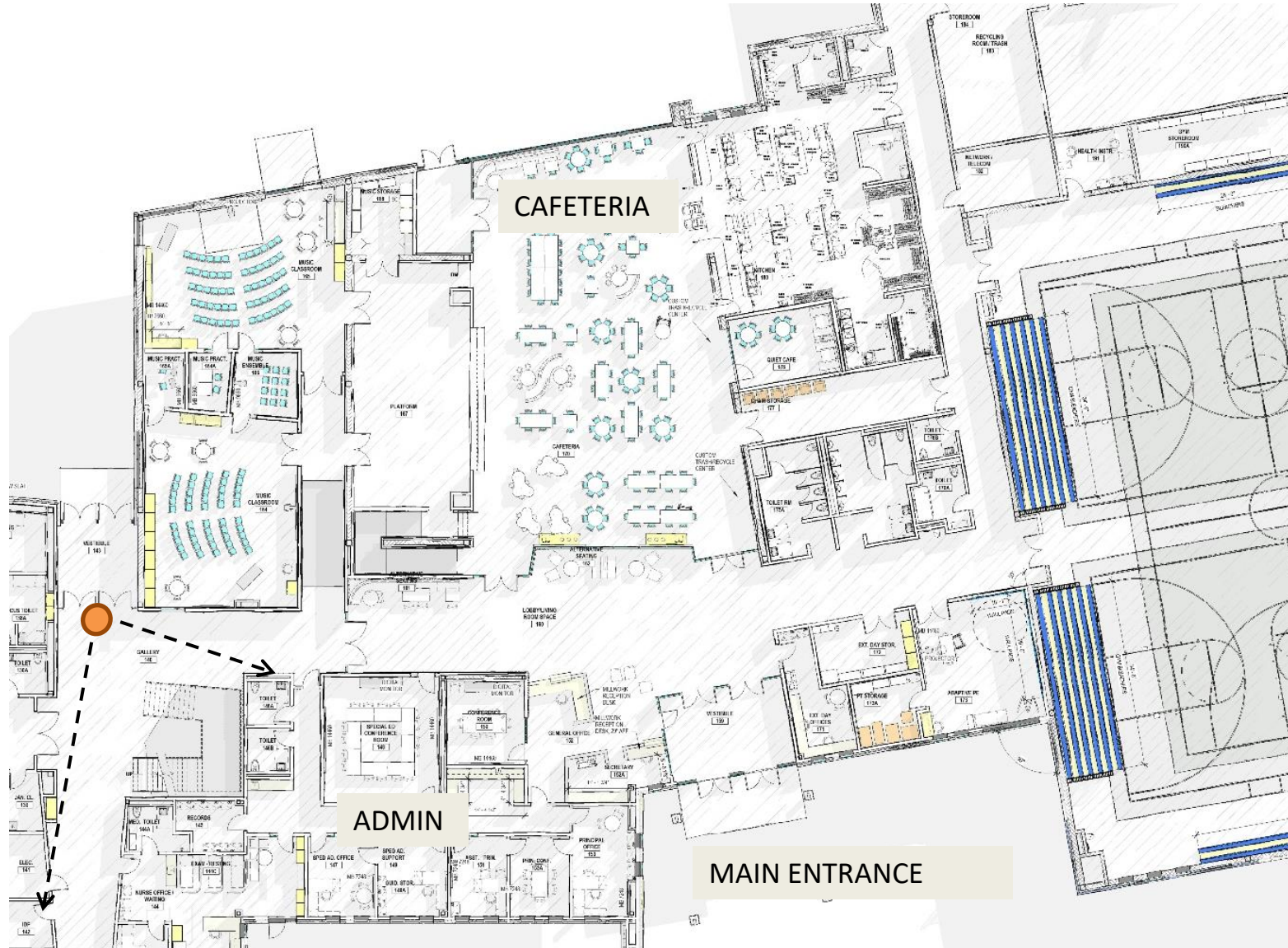
Living room/lobby



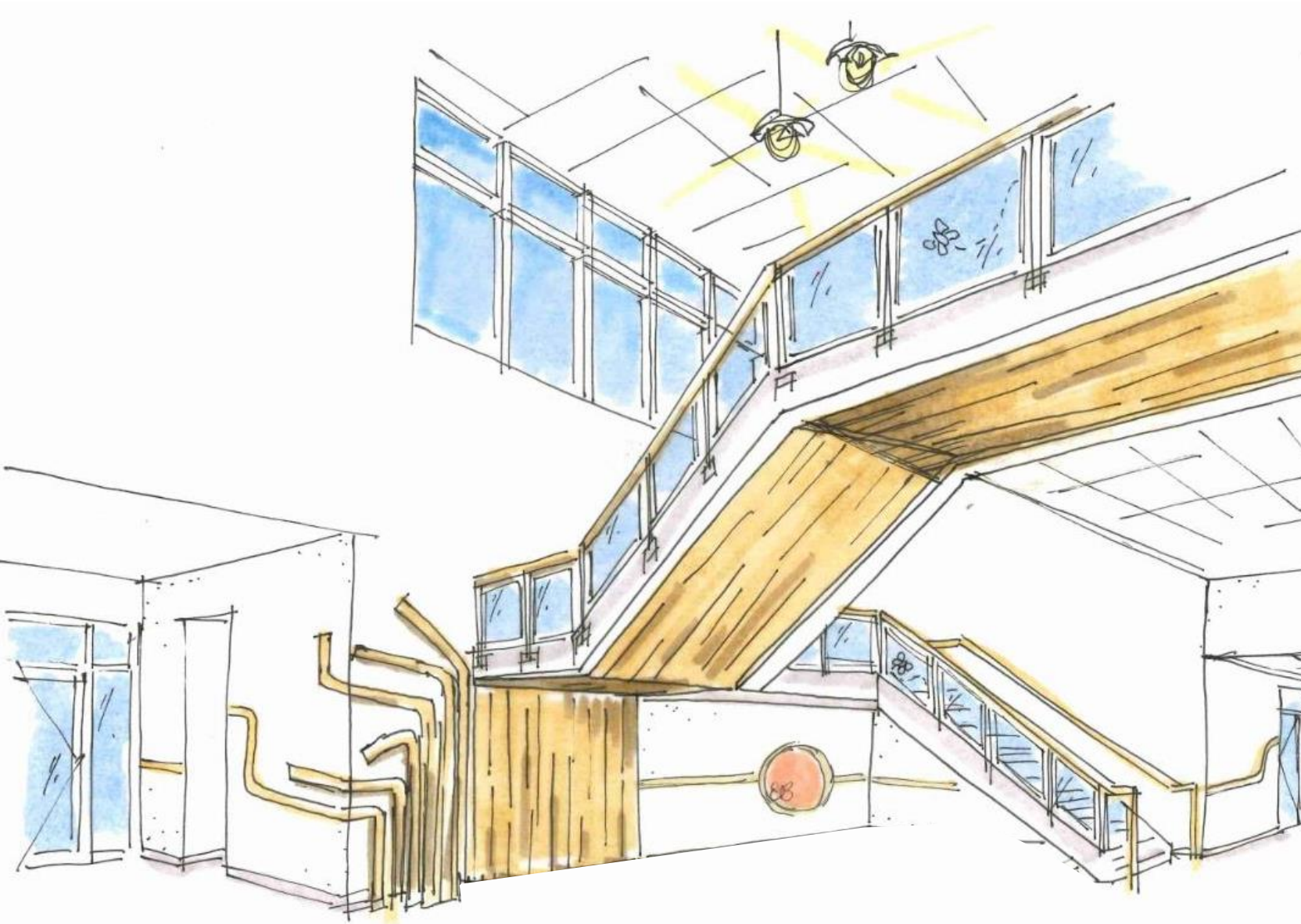
Administration Suite



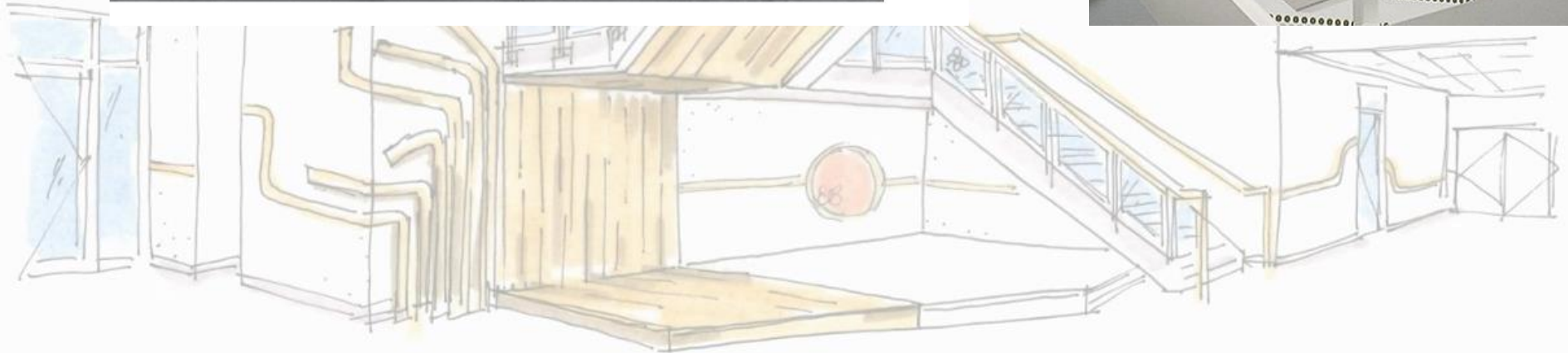
Gallery Stair



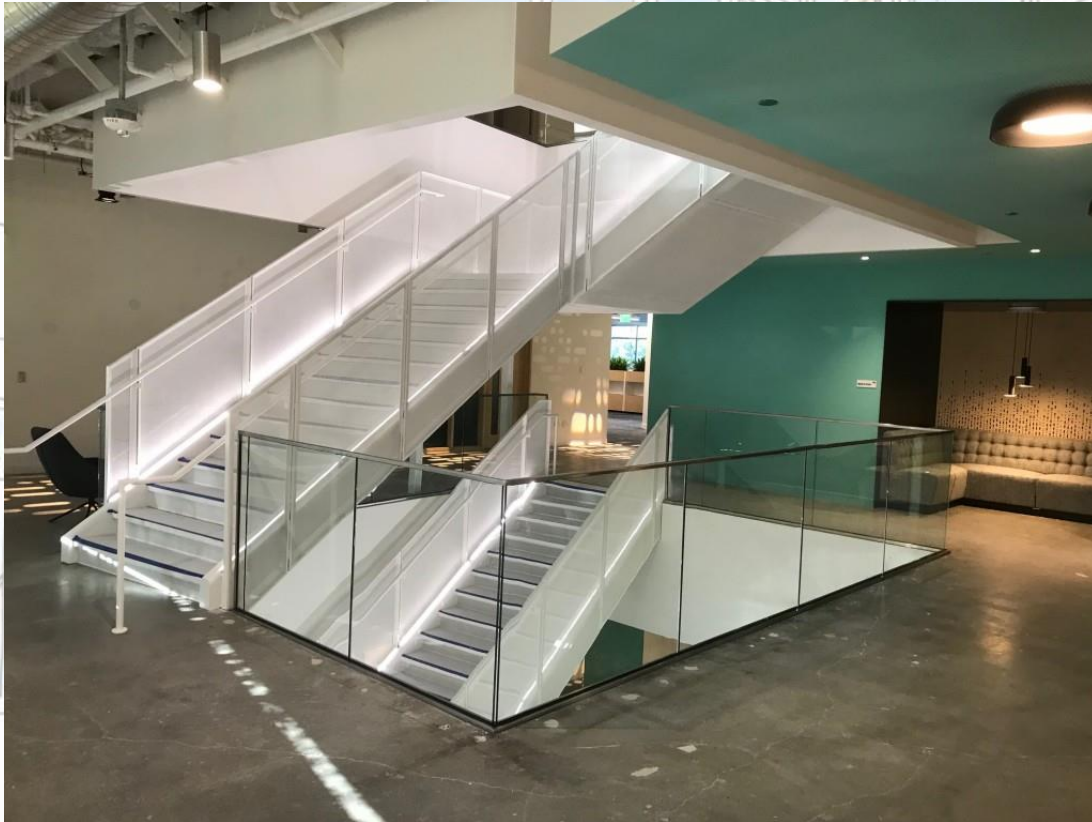
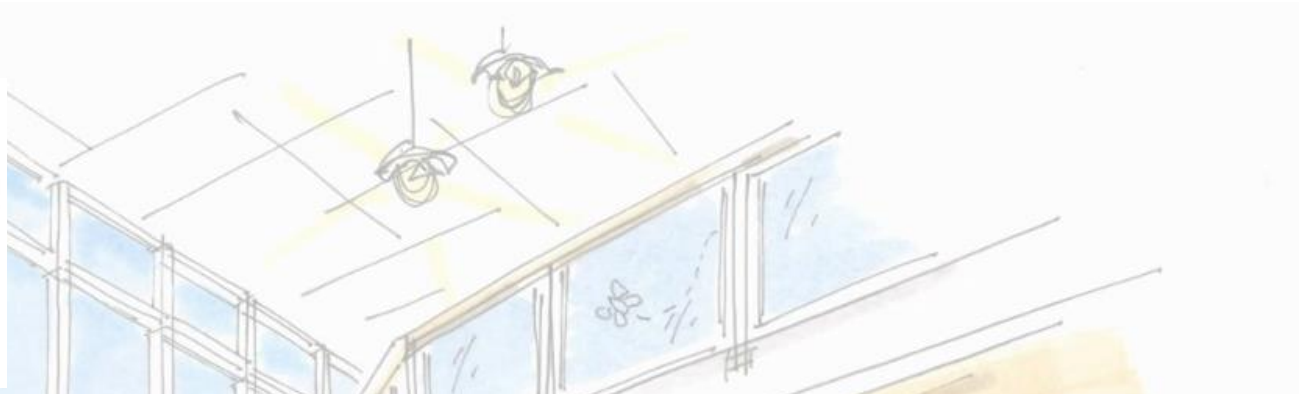
Gallery Stair



Gallery Stair/Railings



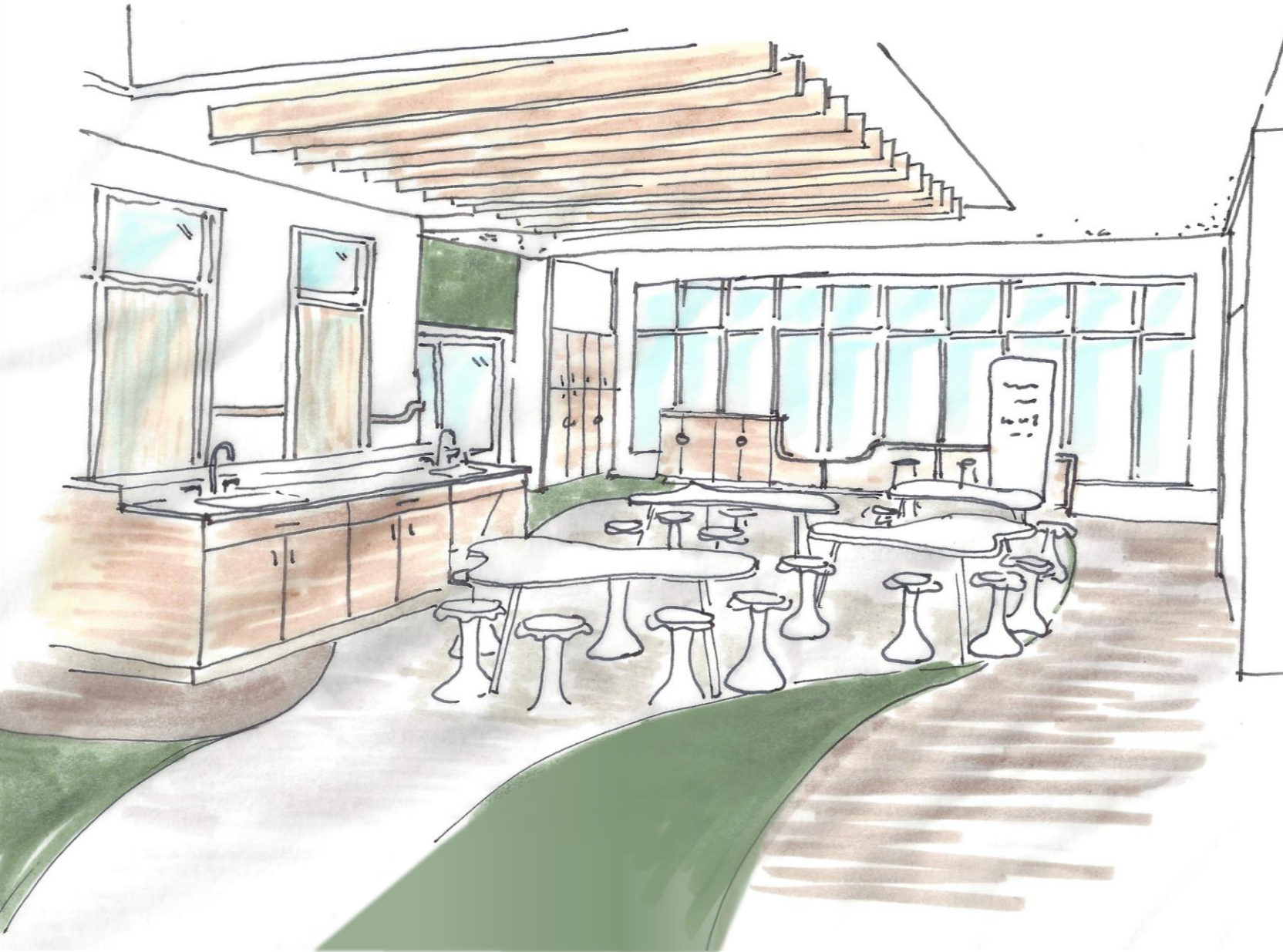
Gallery Stair/Railings



Extended Learning Areas



Extended Learning Areas



Aesthetics + Design Subcommittee Summary/Outcome

- Agreement on overall direction, with warmth of wood and modern, neutral tones, soft color accents and design simplicity.
- In favor of abstract tree to accentuate areas/focal point but revise to simplify
- Raise or revise low ceiling slats; concern with collecting dust/items
- In favor of linoleum wainscot/wall protection with chair rail
- Prefer perforated metal guardrails, not both metal and glass.
- D+W will arrange to get samples of Flotex and Linoleum to Ken for review

Westwood Hanlon Elementary School Sustainability Subcommittee DD meeting

June 8th, 2021

AGENDA

1. LEED Certification Process

2. Project's LEED Scorecard Review

3. Items for Owner Direction

- Electric Vehicle Charging Stations
- Demand Response Program Enrollment
- Renewable Energy Production

LEEDv4 BD+C: Schools (LEEDv4 SC) Project Scorecard		Project: Westwood Hanlon ES Address: 790 Gay St, Westwood, MA 02090 Date: 6/8/2021		The Green Engineer Sustainable Design Consulting	
<div>Legend</div> <div>Questions on approach</div> <div>Critical items</div> <div>Previous point status</div>		<div>LEED Goal: Certified, MSBA 2%</div> <div>Bldg Area: 113,141 GFA</div> <div>Parking: 150</div> <div>Site Area: 902,521 SF (TGE Proposed LPB)</div> <div>Start: 100 per 8.7.20 OFR</div> <div>Students: 560 students K-5 per 8/25/20 MSBA submission</div> <div>Visitors: 809 peak visitors per LEED default count - actual anticipated visitors to be determined.</div>			
<div>POINT TOTALS</div> <div>Yes M+ M- No</div> <div>52 26 16 16</div>		<div>Certified: 40-49 points Silver: 50-59 points Gold: 60-79 points Platinum: 80+ points</div> <div>GENERAL PROJECT DOCUMENTATION</div> <div>Req'd Team REQUIRED: Project must meet all MPRs to be eligible for LEED certification.</div>			
<div>Y</div> <div>1 0 0 0</div>		<div>PR1 Minimum Program Requirements</div> <div>1 Responsible</div> <div>Notes</div>			
<div>Y</div> <div>1 0 0 0</div>		<div>INTEGRATIVE PROCESS</div> <div>1 Team</div> <div>Notes</div>			
<div>Y</div> <div>4 3 3 5</div>		<div>LOCATION & TRANSPORTATION</div> <div>18 Responsible</div> <div>Notes</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT1 LEED for Neighborhood Development Location</div> <div>15</div> <div>Project not located in a LEED ND development.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT2 Sensitive Land Protection</div> <div>1 Civil</div> <div>Project complex. Located on land that has been previously developed.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT3 High Priority Site</div> <div>1.2 Env. Eng.</div> <div>Qualifies for option 2 - located within a DDA. Project eligible for second point under Option 3, Brownfield Remediation if site soil or groundwater is contaminated and jurisdiction requires remediation.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT4 Surrounding Density and Diverse Uses (RP@4)</div> <div>1.5 TGE</div> <div>Option 1 Surrounding Density - project not located in densely developed area. Project appears to meet 1 point threshold of Option 2 Diverse Uses with 4 to 7 publicly available services within a 1/2 mile walking distance.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT5 Access/Quality Transit (RP@1)</div> <div>1.4 Owner</div> <div>Project does not meet lowest threshold for number of publicly available public transportation trips. Need to determine student attendance boundary or intended boundary, and percentage of students living within 3/4 mile walking distance of the school. Points awarded at 50% of students (1 pt), 60% of students (2 pts), 70% or more (4 pts).</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT6 Bicycle Facilities</div> <div>1</div> <div>Not served by an eligible bicycle network. Gay St has 35mph speed limit & Washington St a 40 mph with no separated bike lanes.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT7 Reduced Parking Footprint (v4.1)</div> <div>1 Arch/Civil</div> <div>Based on 560 students, the baseline parking spaces (0.25 spaces/student) is 140. With 150 parking spaces in design, the project does not meet a 30% reduction from baseline.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>LT8 Electric Vehicles (v4.1)</div> <div>1 Arch/Civil</div> <div>Project includes 4 EV charging stations satisfying credit for providing 2% of total parking. Westwood to determine if 4 is sufficient or if there's interest in providing additional EV charging capabilities to meet future demand of EV vehicles.</div>			
<div>Y</div> <div>4 5 2 1</div>		<div>SUSTAINABLE SITES</div> <div>12 Responsible</div> <div>Notes</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>SSp1 Construction Activity Pollution Prevention</div> <div>Req'd Civil/CM</div> <div>REQUIRED: ESC plan must conform to the requirements of the 2012 U.S. EPA Construction General Permit (CGP).</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>SSp2 Environmental Site Assessment</div> <div>Req'd Env. Eng.</div> <div>REQUIRED: Phase II in the process for add. Investigation work to look into the history behind removal of three UST's and a leaking transformer from 20 years ago.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>SSc1 Site Assessment</div> <div>1 Arch/Civil/LA</div> <div>Team to complete and document a site assessment.</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>SSc2 Site Development/Protect/Restore (v4.1) (RP@2)</div> <div>1.2 LA</div> <div>Per TGE Proposed LPB Site Area of 902,521 SF and the calculated previous Site Developed Area of 233,256 SF. Project would need to preserve and protect 40% of greenfield area (if any), and 1 point awarded for restoring 15% of total site area (135,378 SF). 2 points awarded for restoring 25% of total site area (225,630 SF).</div>			
<div>Y</div> <div>1 1 1 1</div>		<div>SSc3 Open Space</div> <div>1 LA</div> <div>Per TGE LPB Site Area of 902,521 SF, the project would need to provide 270,756 SF of Open space. Of that Open Space Area, 67,690 SF needs to be vegetated.</div>			
<div>Y</div> <div>2 1 1 1</div>		<div>SSc4 Rainwater Management (v4.1)</div> <div>2-3 Civil</div> <div>Team to review and confirm if the requirements can be met. 80%+ 1pt, 85% = 2pts and 90% = 3pts. A combination of LID and Green Infrastructure practices may be implemented. Coir bar sealant are prohibited. Retention tanks are not considered LID or GI, they may be accepted only if used in conjunction with LIDs.</div>			

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Sustainability Subcommittee Summary / Outcome

- Tracking LEED v.4 Silver. Design Phase application should begin soon.
- LEED points are not as important as energy efficiency.
- Electric Vehicle Charging: Currently 4 parking spots. Look at providing empty conduit to facilitate adding additional spaces in future.
- Compass will review Eversource incentives vs. MSBA reimbursement.
- PV panels currently planned to be provided on roof through PPA process. No action until project budget funding is authorized.

Building Systems Overview

► AGENDA

- Geothermal
- HVAC
- Electrical
- Plumbing and Fire Protection
- Technology (Data + Security)

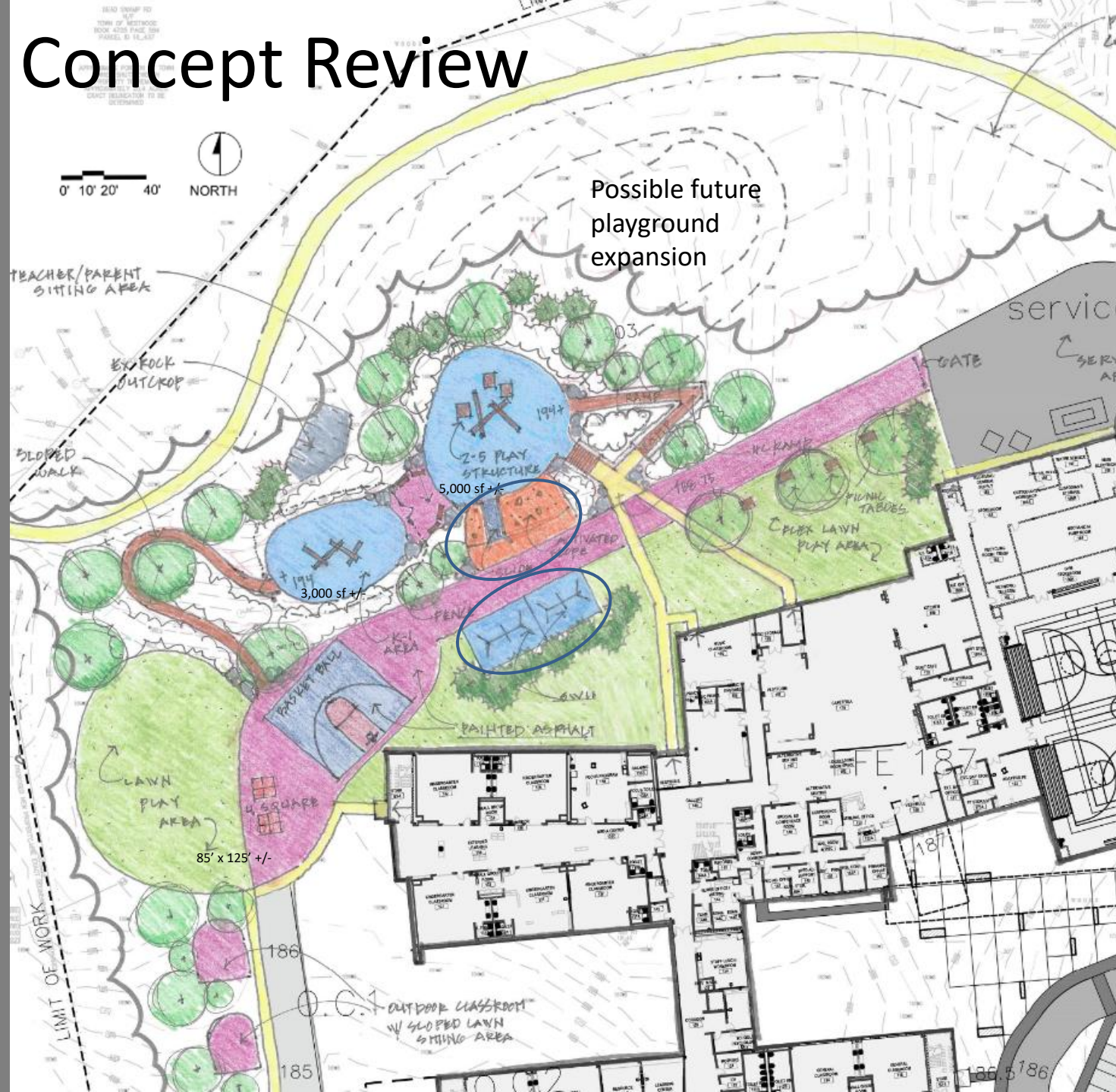
► INTENT OF MEETING:

Provide an overview of building systems and an opportunity for questions, feedback and input

User Group Meetings Update

- Met with Gr K-5 faculty, Music, Art, Library/Media, Coaches, Speech, Psychologists, WABA, FOCUS, Students, Kitchen, Cafeteria, Custodial/Maintenance, IT, Principals and District Leadership over 8 days
- Received written feedback on Google Classroom
- Compiling all information and making revisions to the plans. Highlights include:
 - a. Classrooms: revised window heights for more lower wall space
 - b. Added a second Speech and Language room and relocated ELL room
 - c. Selected one of the two options presented for Coaches Suite
 - d. Modifying Library layout

Playground Concept Review



Slide, climbing wall and swings will be priced separately

Proprietary Items Review

1. Thermal Insulation (behind brick/stone only)
2. Light Diffusing Glazing (used at Gym)
3. Security Laminated Glazing (used at exterior entrances)
4. Emergency Key Box (Fire Dept Use)
5. IT and Security



Questions,
Comments,
Reactions?