



# The PINE School: The Paradise Integrated Natural Education School

700 Billie Rd. Paradise, CA

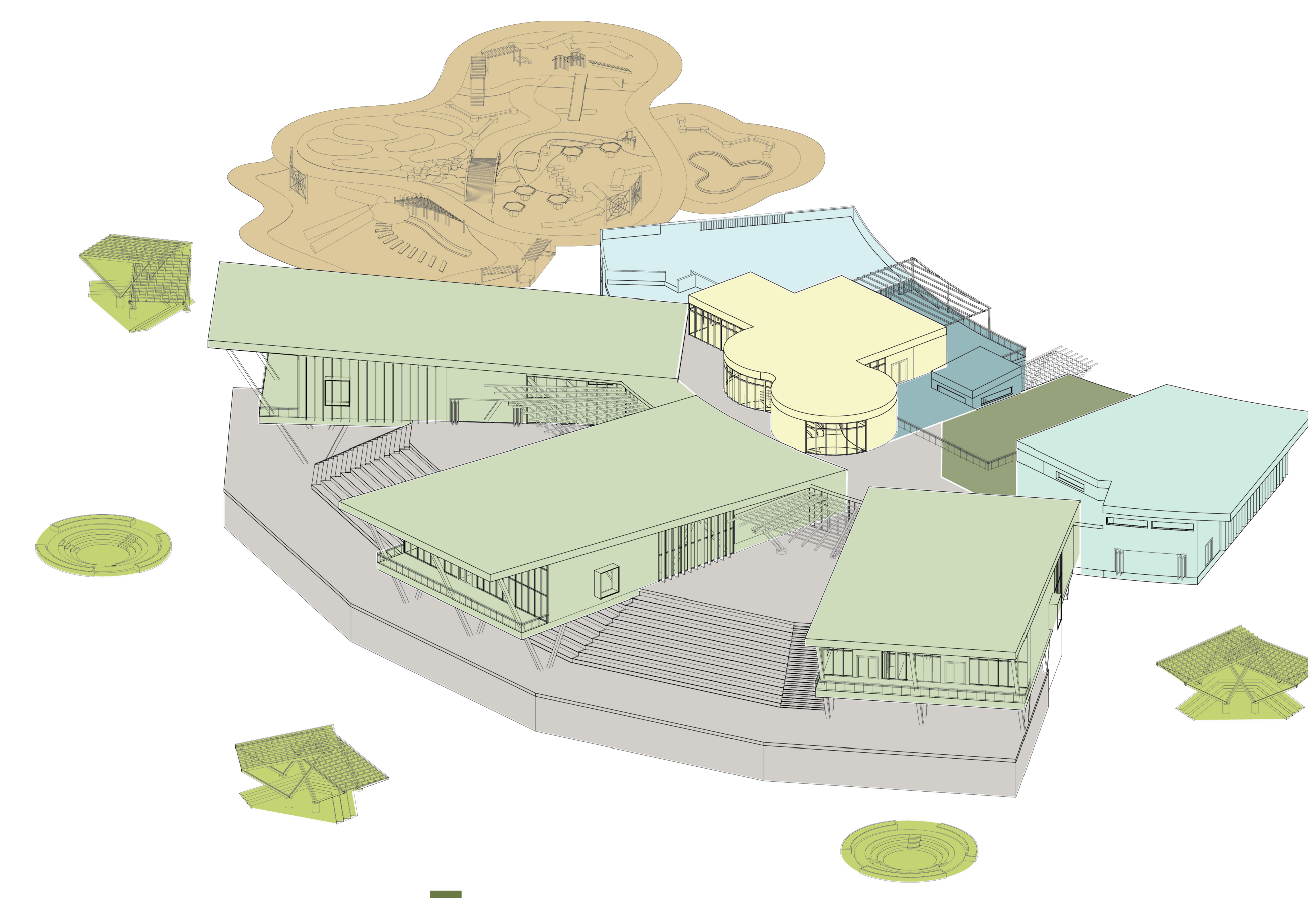
Natalie Giombi | ARCH 353 | Studio Macdonald

This charter school, dedicated specifically to K-5, is located in a “neighborhood center” of the newly-envisioned Paradise. It is focused around environmental education, with deeply rooted ties to the natural lands surrounding Paradise. It has roughly 30,000 square feet of indoor space and around 15,000 square feet of outdoor classroom and recreational space, for a total of 45,000 square feet plus walking trails and gardens. The school separates grades into three wings and provides plenty of common spaces perfect for inter-grade interactions. The design also incorporates an educational green roof, interior courtyards to better connect the building with the landscape, and an arts and media lab to fully round out the curriculum.

This elementary school aims to inspire children to learn in a new, yet familiar way and provides a new chance to help create community and to further integrate all of the things that make Paradise a great place to live.

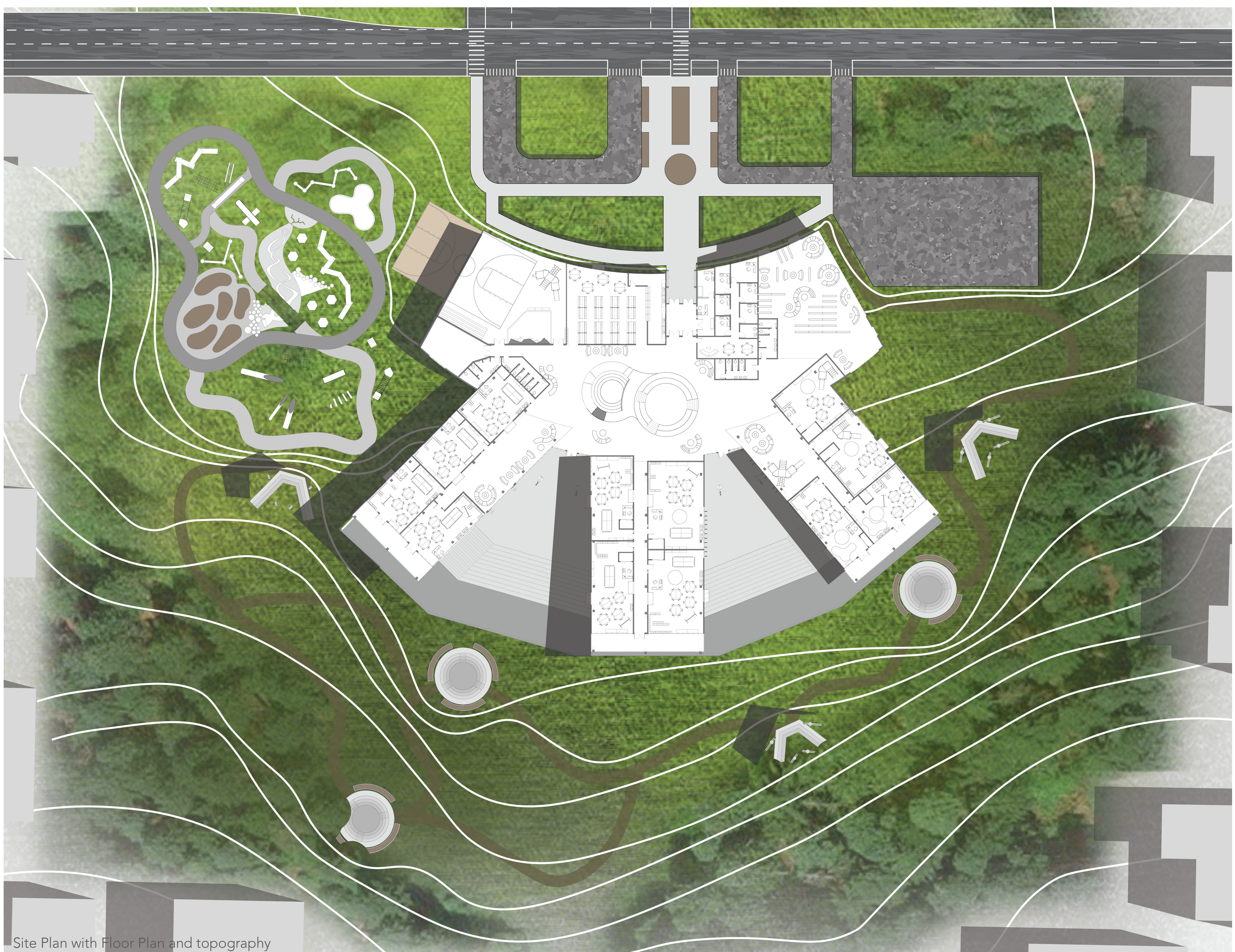
## Project Goals:

1. Connect with the environment on multiple, integrated levels.
2. Provide a safe, welcoming neighborhood center for education and community.
3. Design a school that helps to heal the community, both physically and emotionally.
4. Create spaces and modes for environmental education such as outdoor classrooms, integrated gardens, and a natural landscape to encourage exploration and thought.
5. Provide an experimental form of education that is specific to Paradise and is modeled to help the children of the town feel comfortable and creative.
6. Envision a space that works to give back to the community and inspire it to move forward in its own unique way.
7. Work to boost the economy of Paradise by designing with all locally sourced materials, planning for building expansion, and using all sustainable measures.

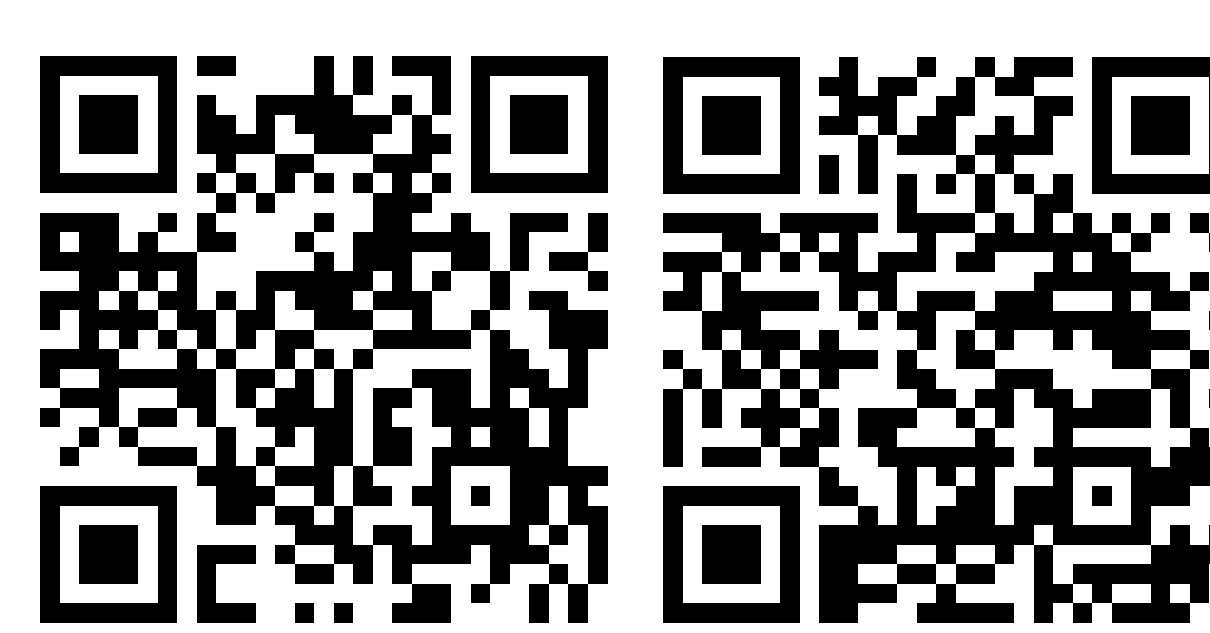
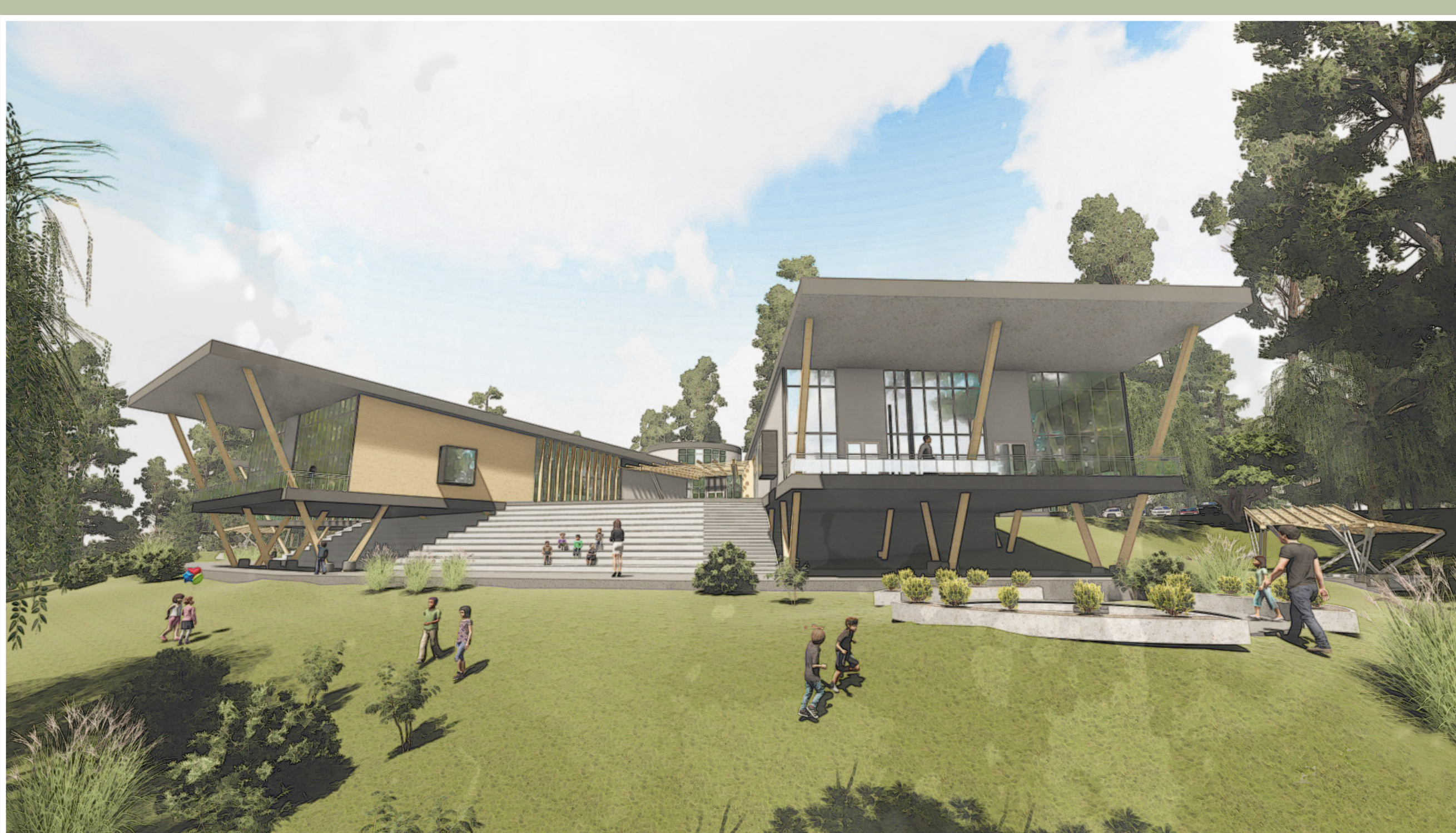
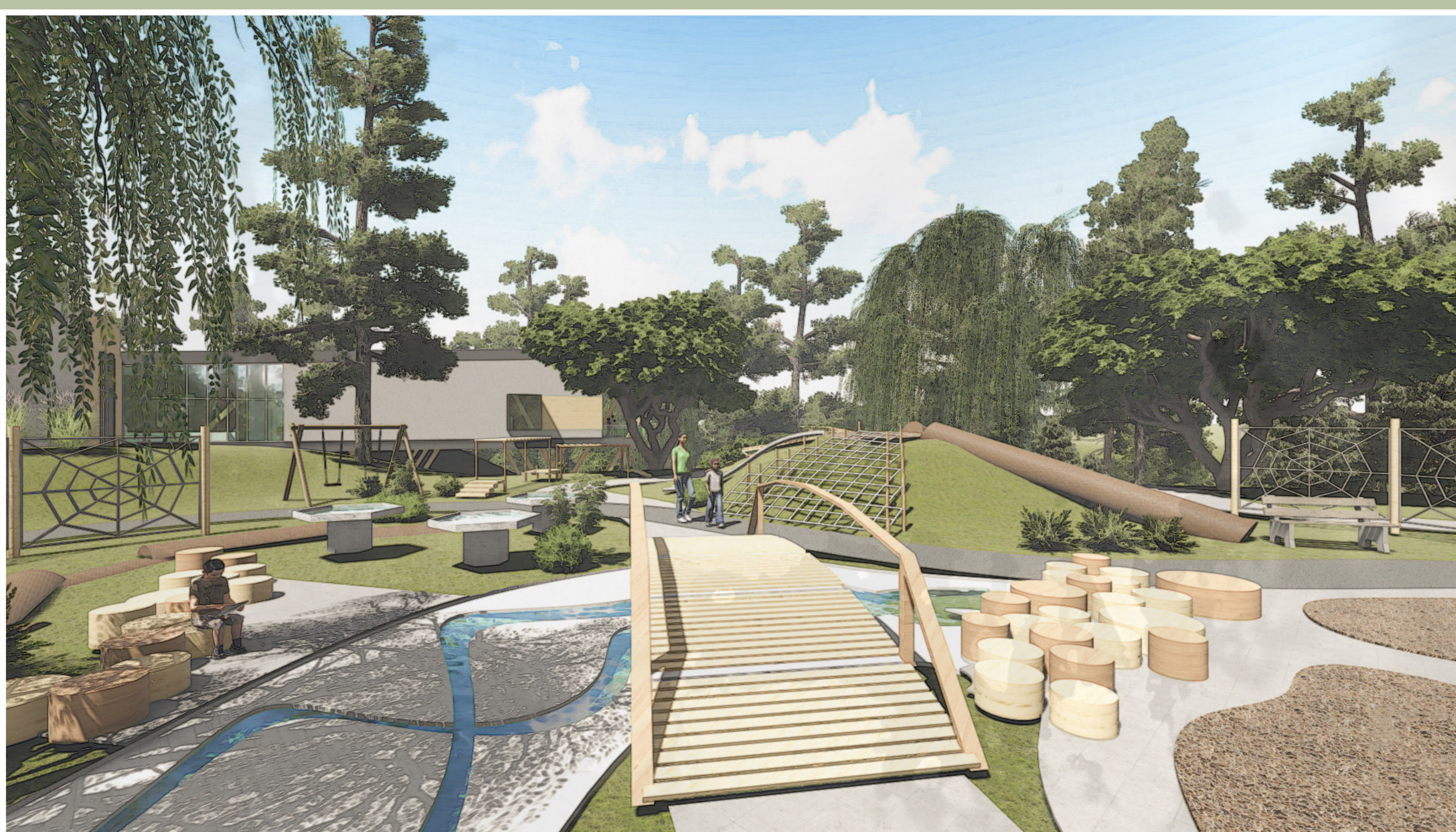
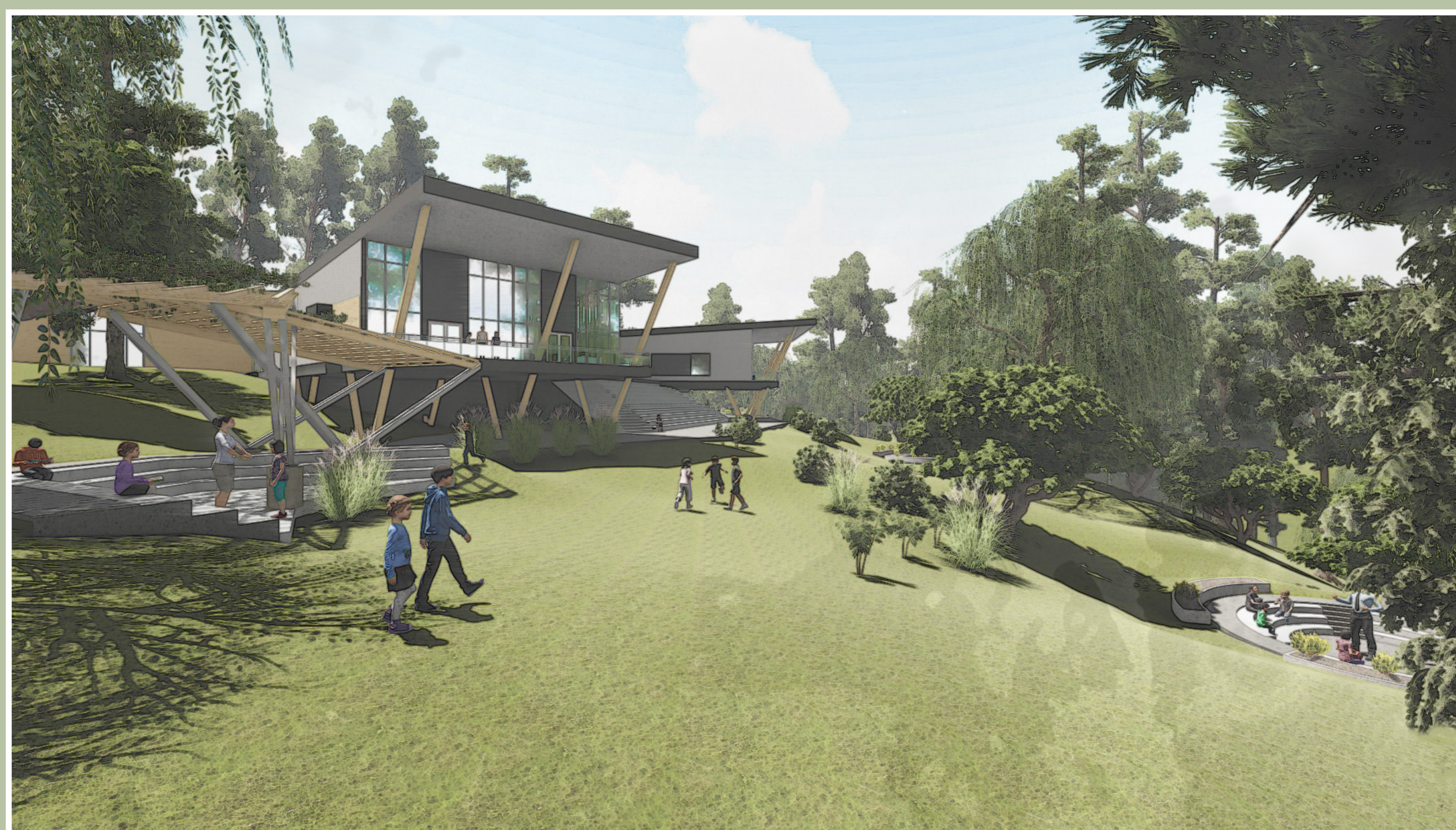


Program Diagram

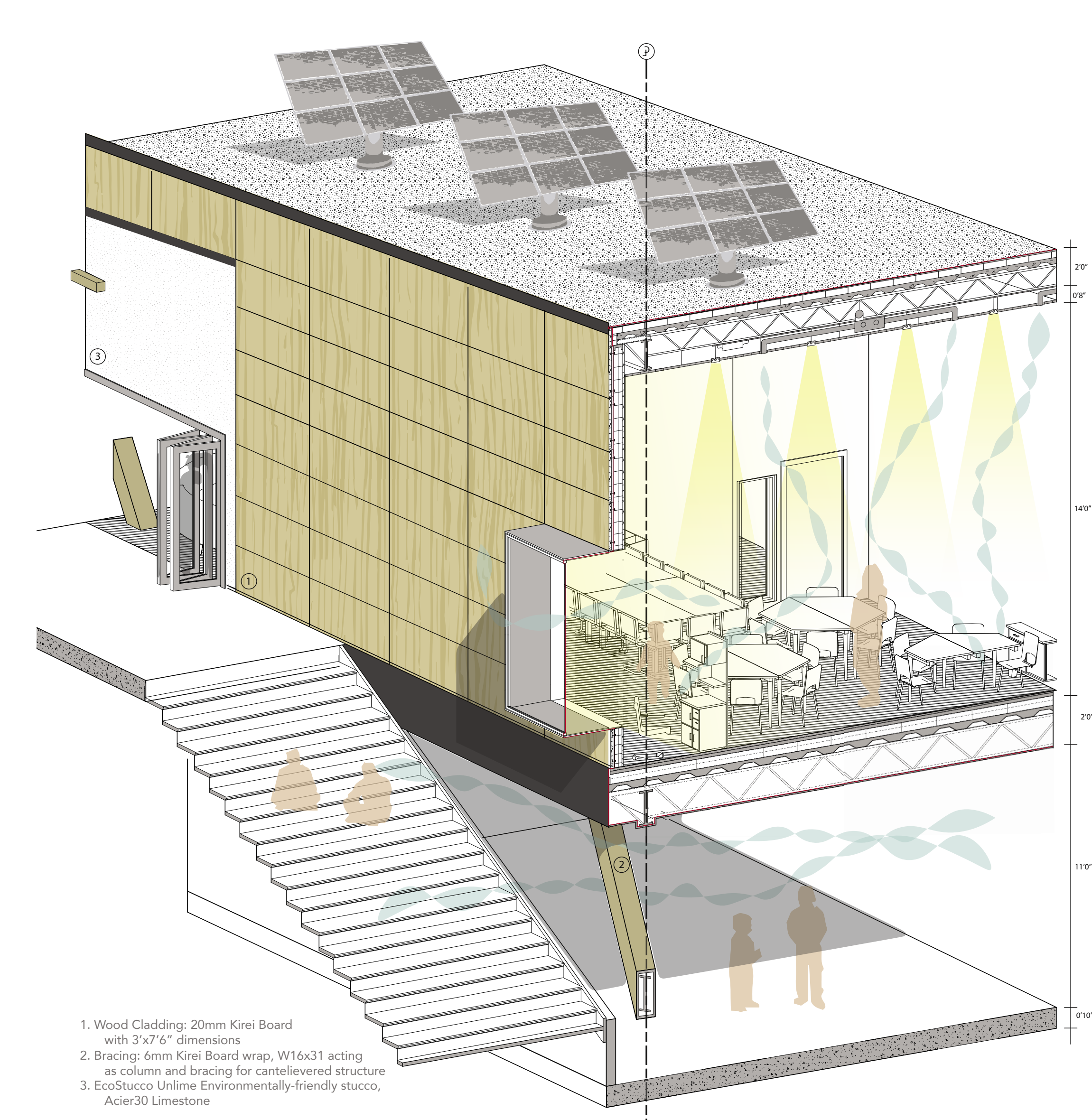
Administration.....	1,500 SF	Cafeteria.....	2,500 S
Art and Media Studio.....	2,500 SF	Gymnasium.....	2,500 S
Learning Spaces.....	9,000 SF	Nature Playscape.....	4,200 S
Outdoor Learning Spaces.....	3,000 SF	Library and Knowledge Center.....	2,500 S
Social Gathering Area.....	8,200 SF		



Site Plan with Floor Plan and topography

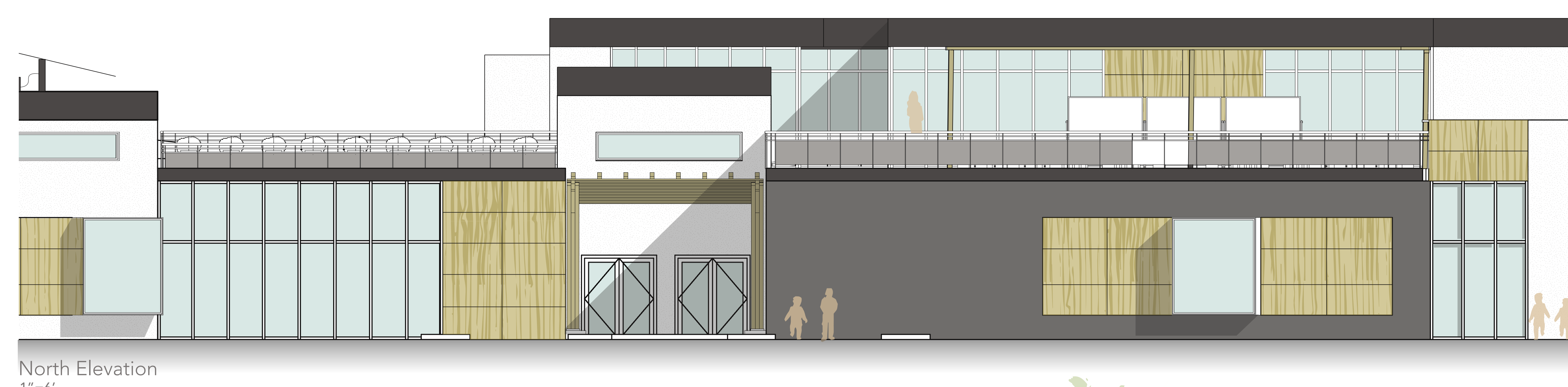


360 Panoramas  
(Left: Interior, Right: Exterior)  
- Enable landscape mode on your device.  
- Scan link with your camera, open link.  
- Click fullscreen mode on bottom of image.  
- Click gyro icon on the bottom of image.  
- Turn phone sideways and explore.  
- See multiple views with arrows on bottom left.

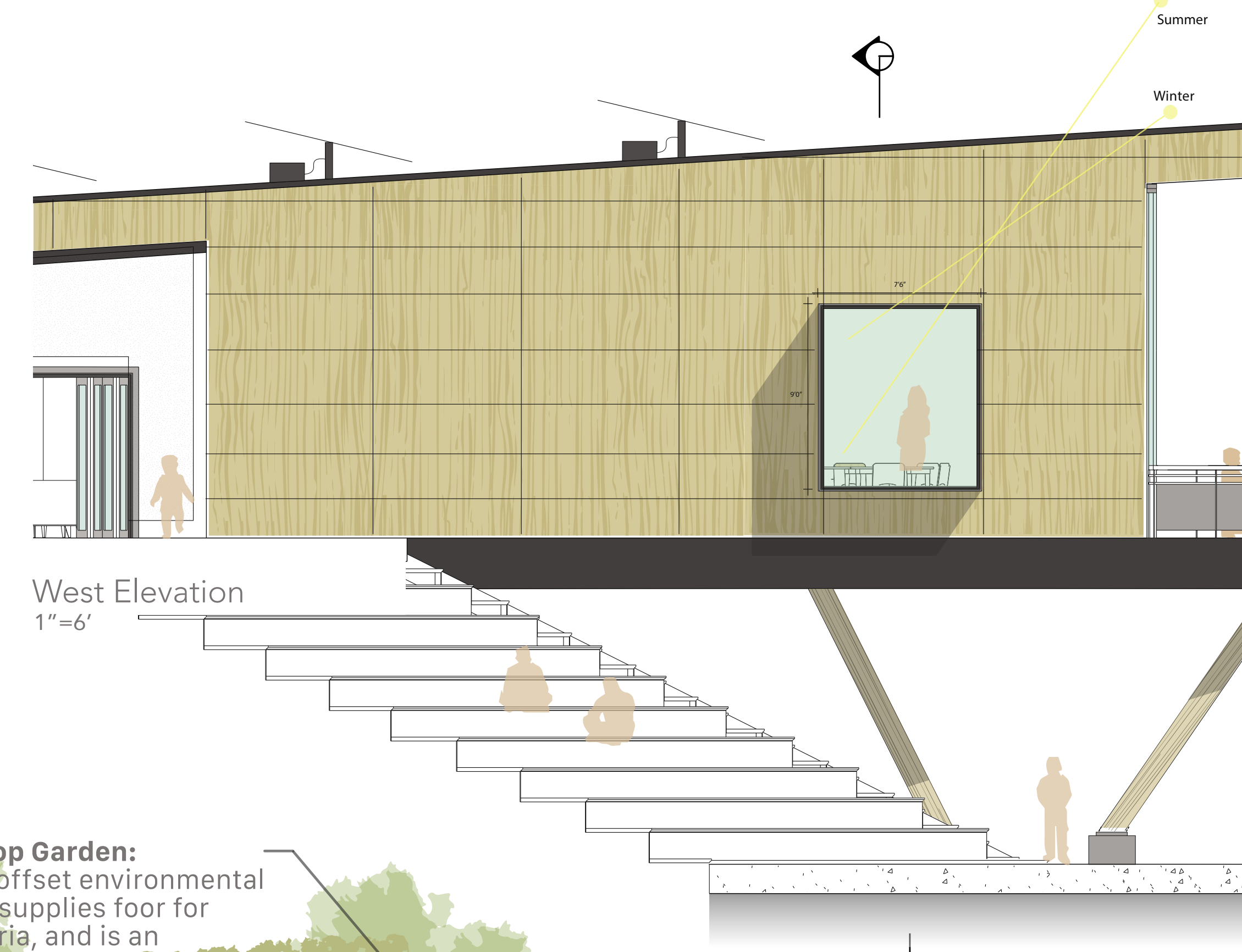


Axonometric with structure

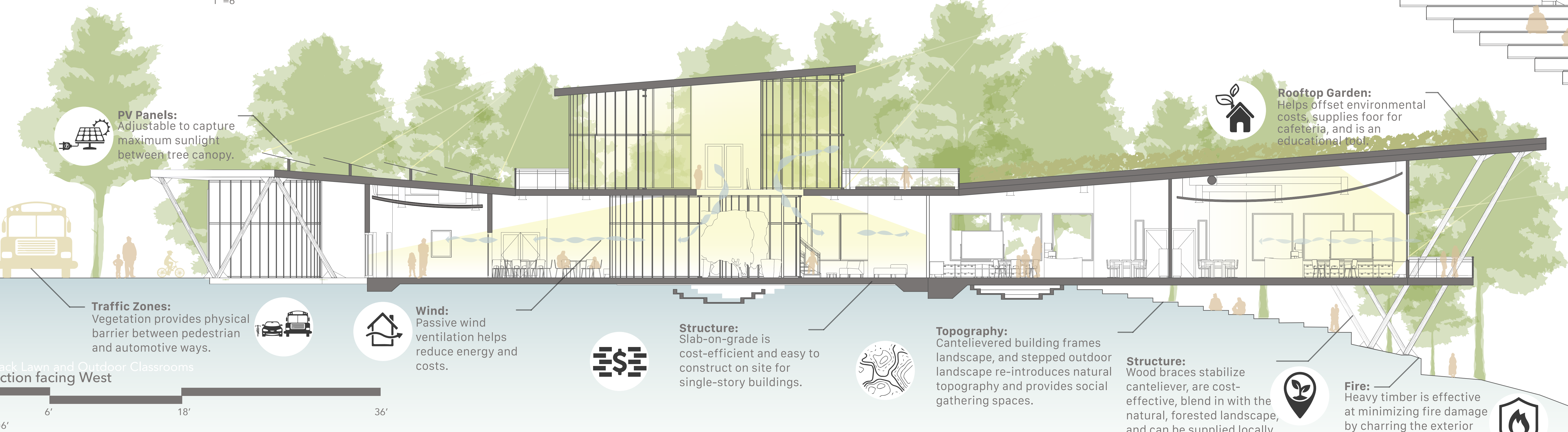
The front entrance looks out onto the redesigned Billie Road between the towering pine trees that blanket Paradise. This building design keeps the placement of the original trees of the site in mind, and tries to minimize the number of trees that would have to be removed for the project. The design includes a natural palette of colors that seek to seamlessly blend in with the landscape and the large amount of glass on the north face is an effort to bring nature into the interior. The facade is broken up to appeal to the human scale and make the building more inviting.



North Elevation  
1"=6'



West Elevation  
1"=6'



Back Lawn and Outdoor Classrooms  
Section facing West  
0' 6' 18' 36'  
1"=6'

This integrated section showcases the multiple functions every aspect of this design has. In an effort to make this building sustainable and long-lasting, each element must serve multiple purposes, yet not compromise the quality of the design. This building incorporates some of the most advanced techniques in environmental design, yet works to blend seamlessly with the vernacular of the still existing and desired town of Paradise. The biggest factor of this design is the experience of the user, since human experience is the biggest design driver. This building helps to heal the soul and mind, as well as inspire hope of a new, beautiful Paradise that serves a model for other towns affected by disasters.