

PSU BEHREND CORE

06.12.2024



PennState
Behrend



KAPPA
Keystone Chapter of APPA



ABOUT PENN STATE BEHREND



ABOUT CORE



ABOUT THE FEDERAL HOUSE





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ABOUT THE FEDERAL HOUSE

FACILITY VISION

The new facility will provide CORE with a home that will enhance, sustain and support its mission and vision. It will be a place where youth want to be, inspiring creativity, collaboration and learning among the youth and among those who seek to elevate them and provide them with the resources and resiliency to succeed.

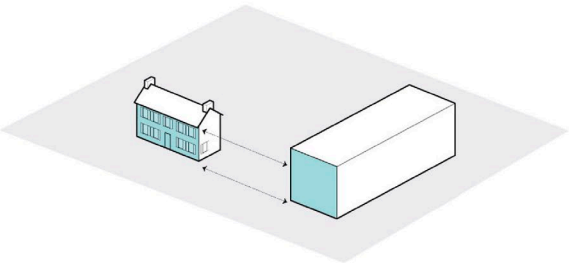
OBJECTIVES

- **Shape** a recognizable home for CORE that will identify it to the community as an aspirational center for youth development where youth want to be.
- **Create** a building that supports the mission and vision of CORE, sensitive to the site and to the Federal House which will be a part of it.
 - **Renew and Elevate** the Federal House through its transformational reuse.
- **Integrate** building and landscape to support the sense of place and CORE programs
- **Provide** flexible space that can serve adapt to multiple uses in service of CORE

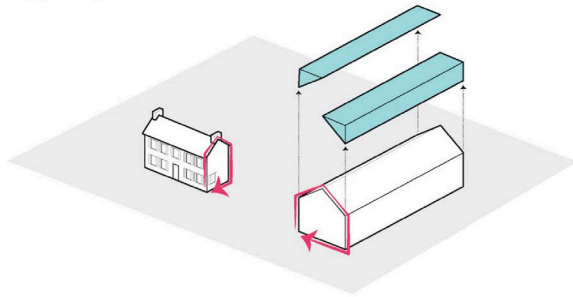
PROJECT GOALS + VISION



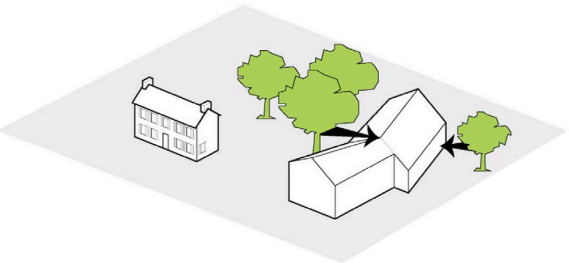
1 Federal House & Barn Addition



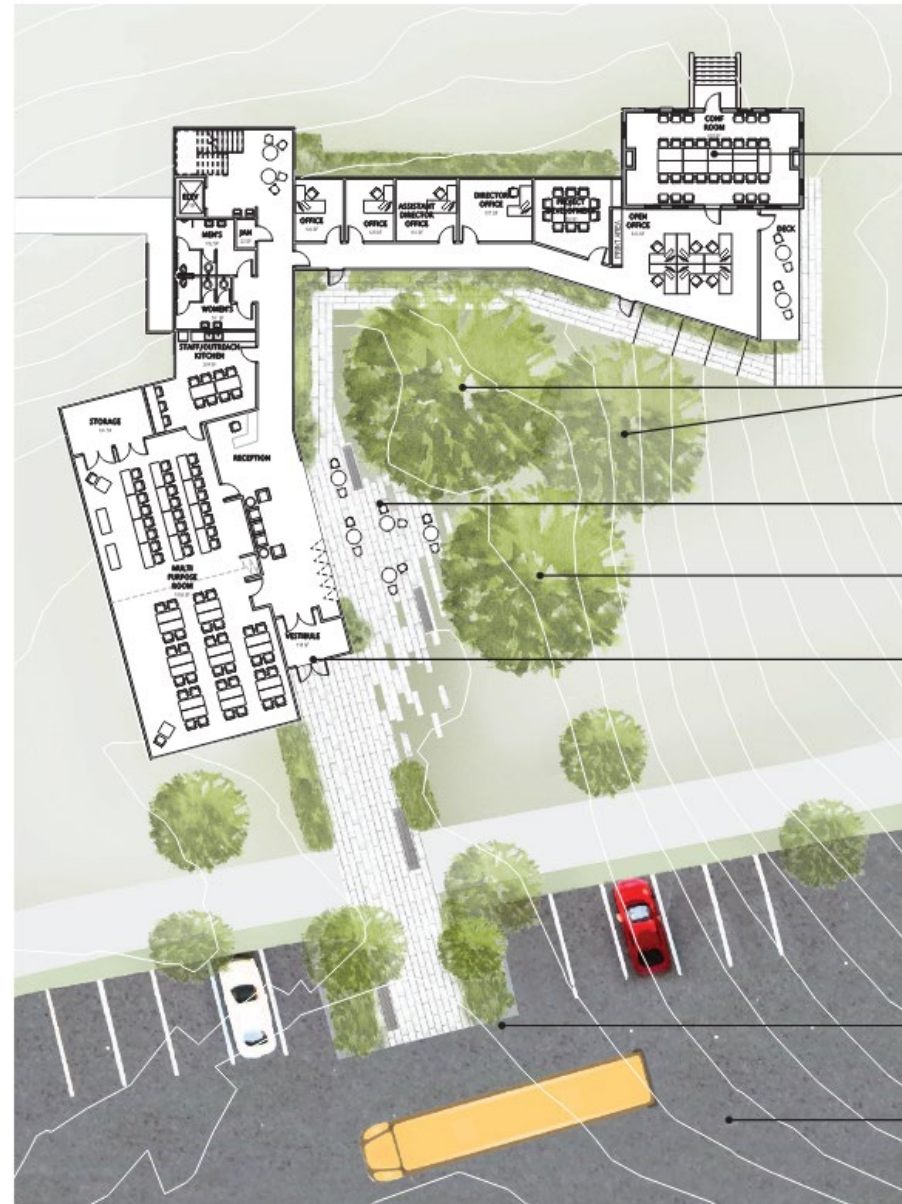
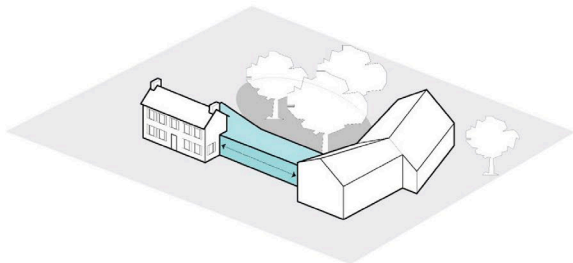
2 Barn Addition Form Influenced by Form of Federal House



3 Barn Addition Form Wraps to Preserve Existing Trees



4 Glass Bridge Connects Federal House to Barn Addition



Federal House

Existing Tree

Outdoor Seating / Gathering Area

Existing Tree

Building Entry

Bus drop off area

Existing Parking Lot

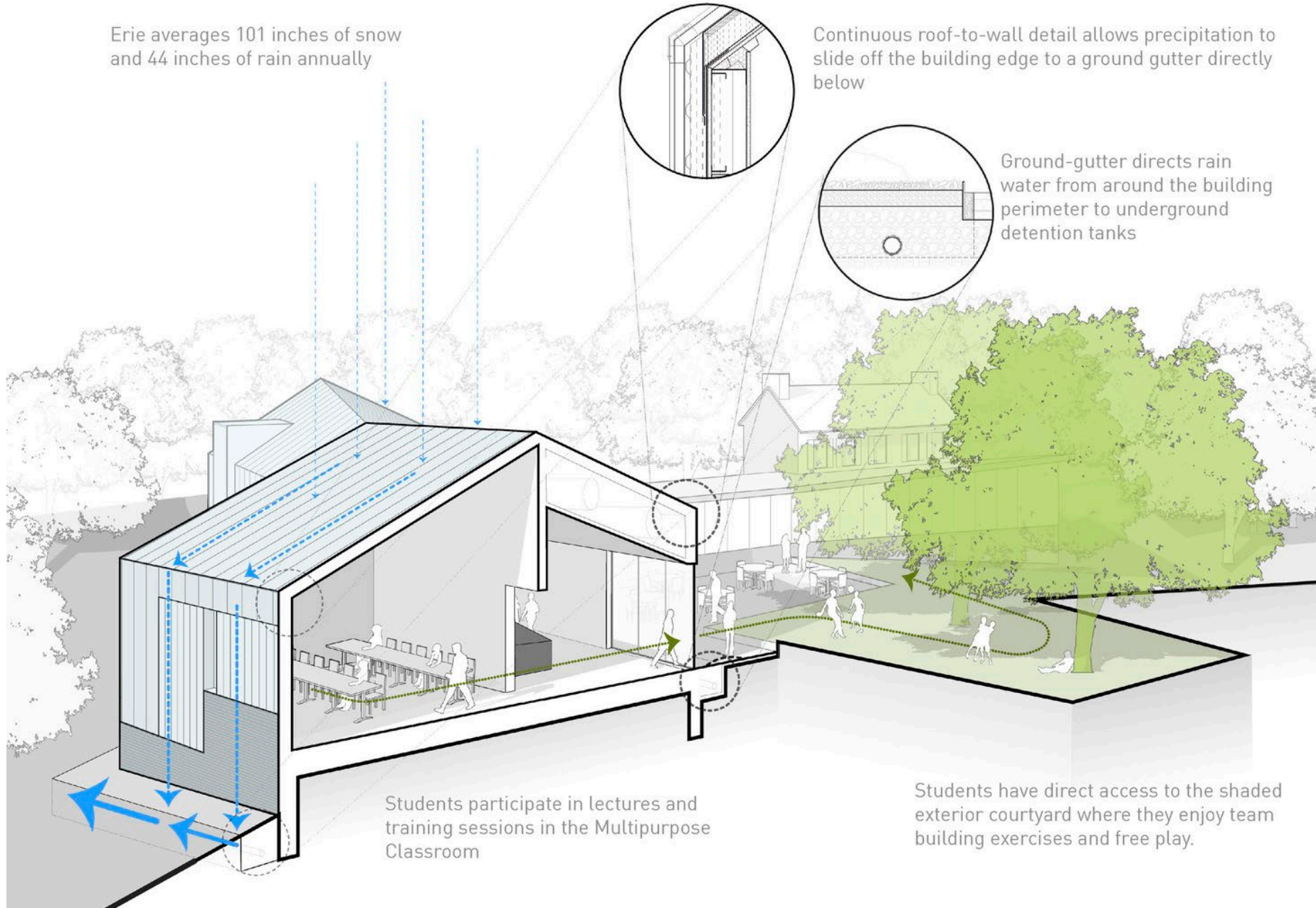
ABOUT THE SITE



Erie averages 101 inches of snow and 44 inches of rain annually

Continuous roof-to-wall detail allows precipitation to slide off the building edge to a ground gutter directly below

Ground-gutter directs rain water from around the building perimeter to underground detention tanks



Students participate in lectures and training sessions in the Multipurpose Classroom

Students have direct access to the shaded exterior courtyard where they enjoy team building exercises and free play.

ABOUT THE BUILDING



EAST OPTION – SITE STRATEGY



EAST OPTION Pros:

- + Saves all three existing trees on the west portion of the site.
- + Programmable exterior courtyard directly adjacent to multipurpose room.
- + CORE student functions are separated from the rest of the program.

EAST OPTION A Cons:

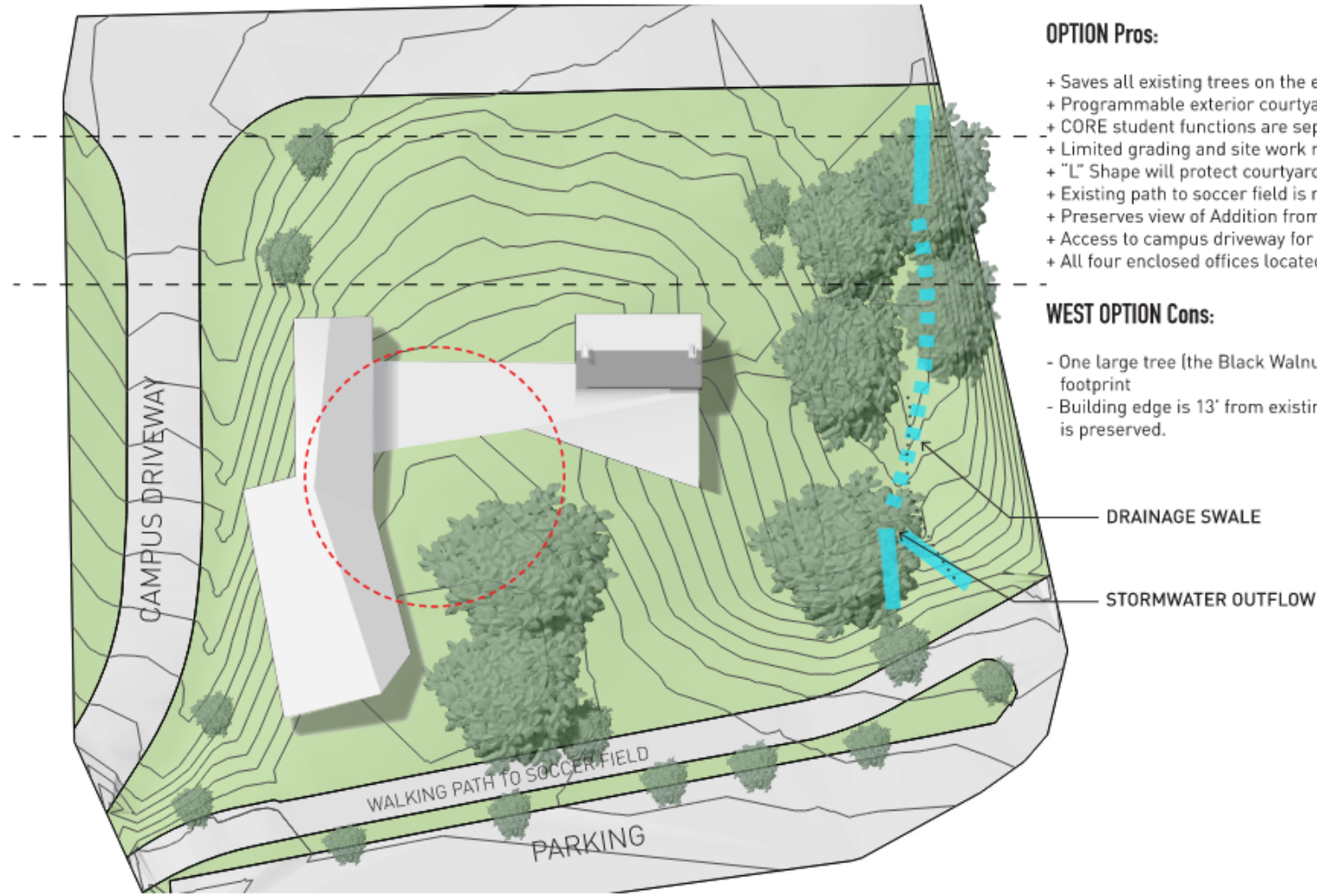
- Significant site work and associated cost in storm piping relocation.
- At least two Walnut trees would be removed and several others would be impacted.
- Roughly 500 cubic yards of fill would be required to preserve outdoor access to the western portion of the site and prevent surface water flow into the building.
- Reverse "L" Shape is likely to capture drifting snow from NW winds.
- Portion of existing path to soccer field would need to be rerouted.
- Addition does not have a visual presence from Campus Drive or Station Road.
- No access to campus driveway for loading dock.
- Two of the four enclosed offices shifted to Lower Level.

REORIENTED STORMWATER PIPING

REORIENTED PATH SERVING SOCCER FIELD



WEST OPTION – SITE STRATEGY



OPTION Pros:

- + Saves all existing trees on the east portion of the site.
- + Programmable exterior courtyard directly adjacent to multipurpose room.
- + CORE student functions are separated from the rest of the program.
- + Limited grading and site work required and surface water flows are preserved.
- + "L" Shape will protect courtyard from drifting snow from NW winds.
- + Existing path to soccer field is maintained in current condition.
- + Preserves view of Addition from most vantage points.
- + Access to campus driveway for loading dock.
- + All four enclosed offices located on First Floor Level.

WEST OPTION Cons:

- One large tree (the Black Walnut) would be eliminated due to orientation and footprint
- Building edge is 13' from existing campus driveway, however existing drainage swale is preserved.



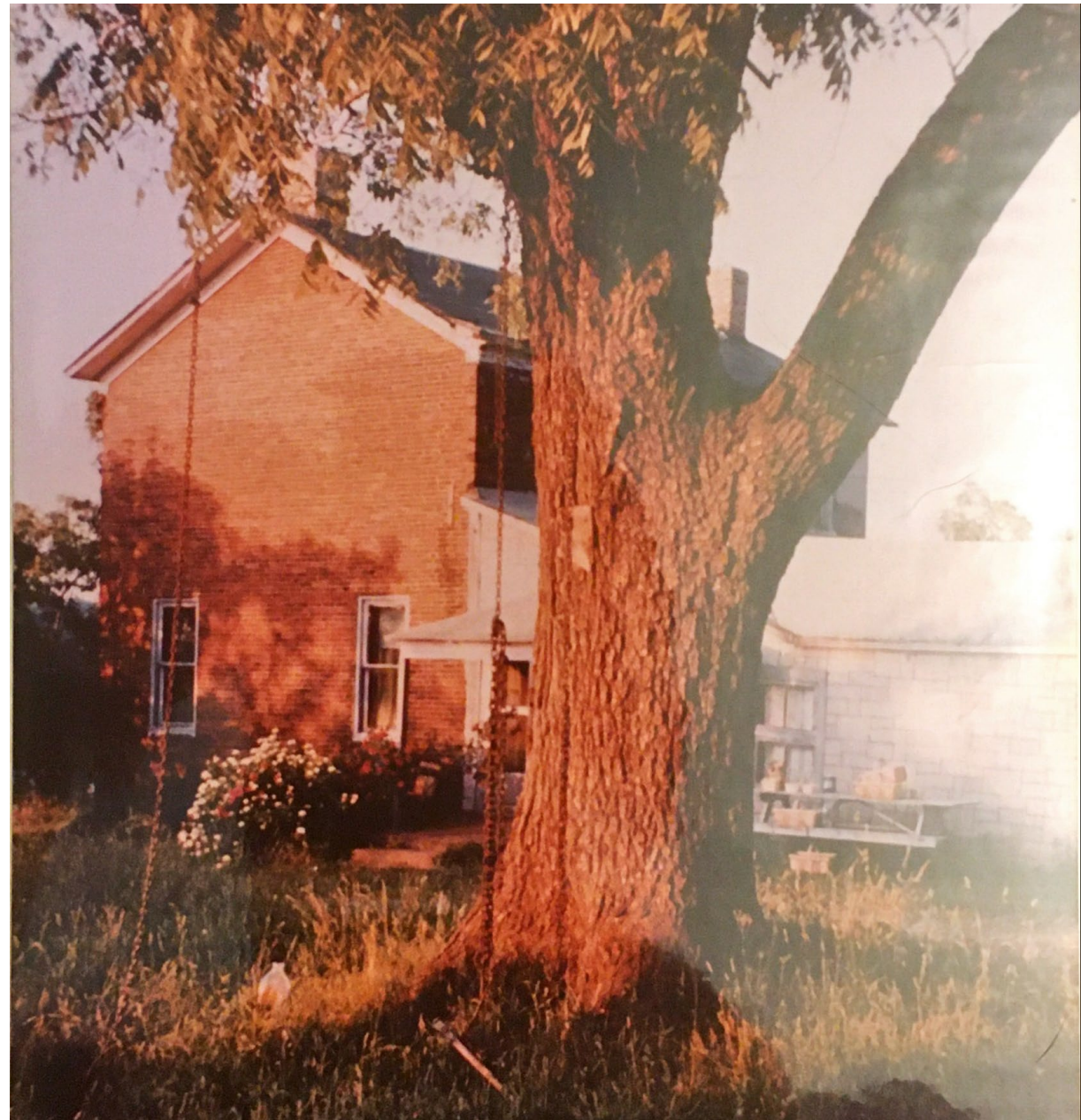






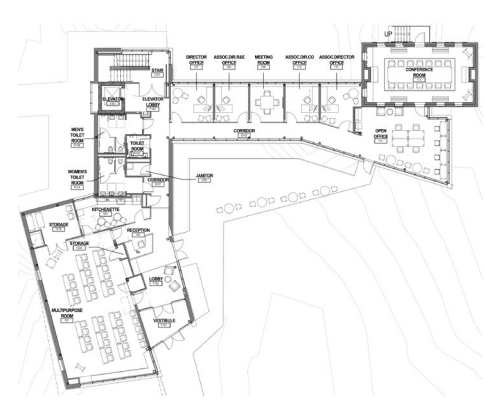


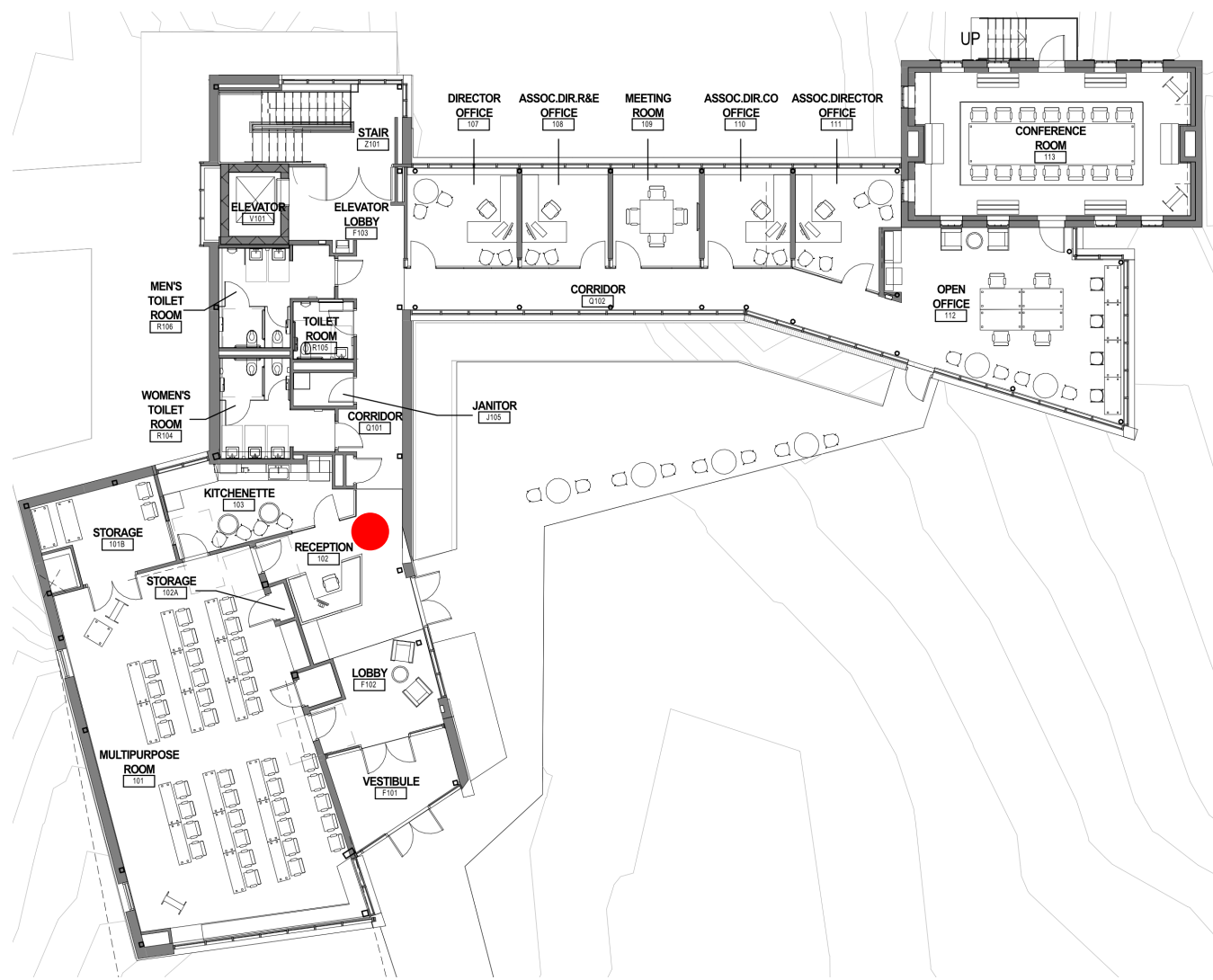
ABOUT THE FEDERAL HOUSE





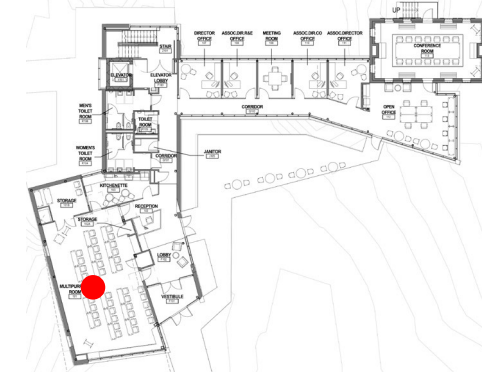


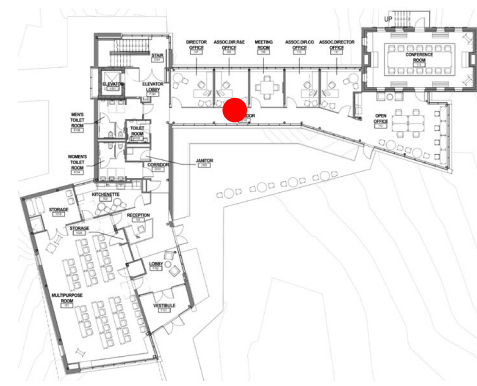


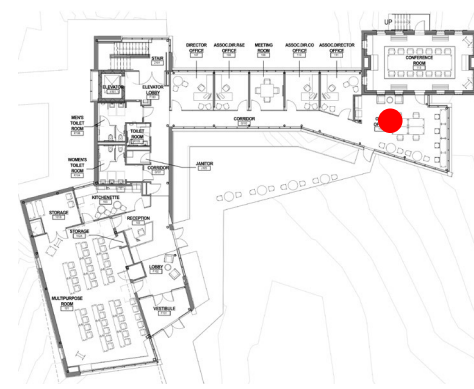


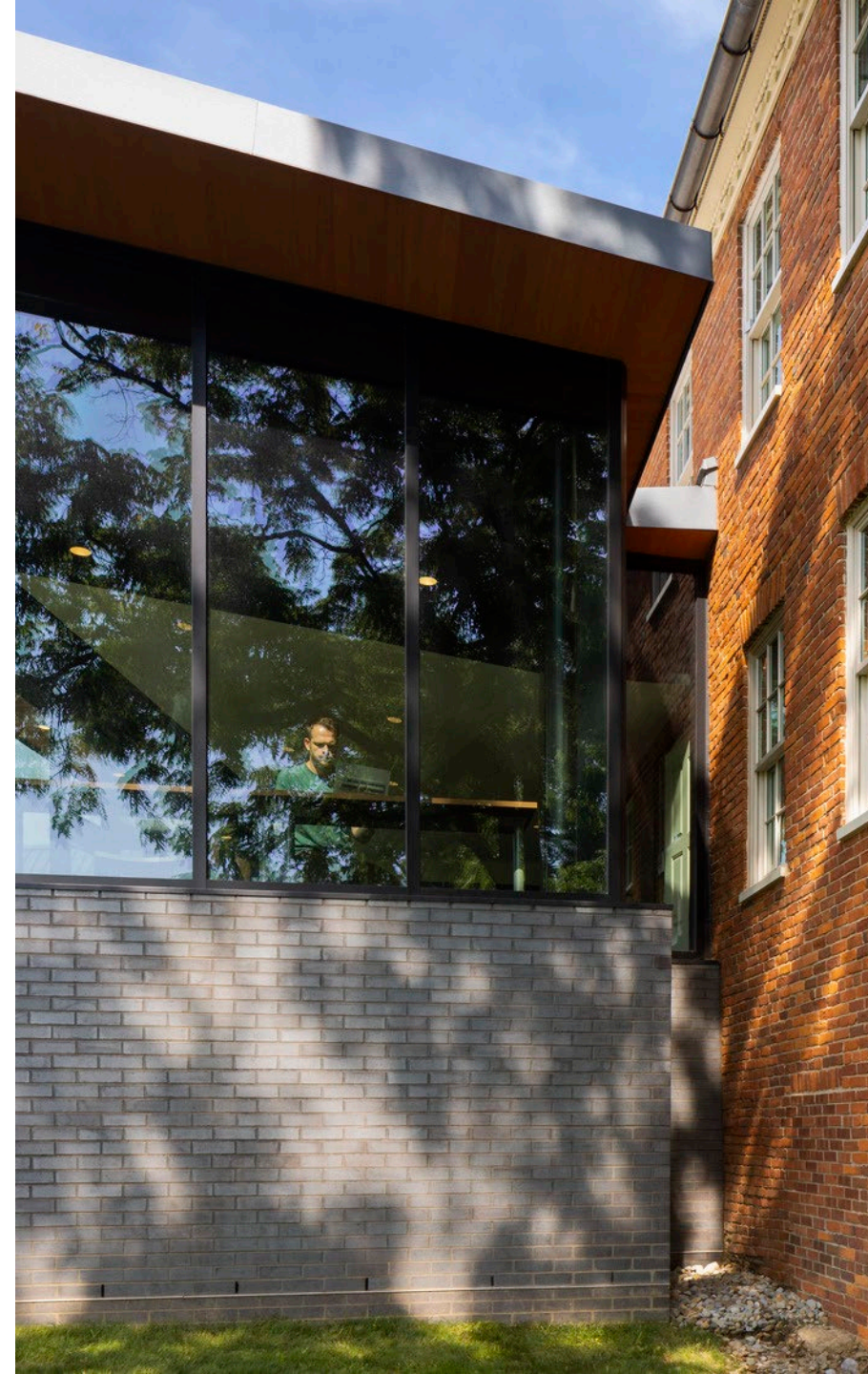
LEVEL 1 FLOOR PLAN

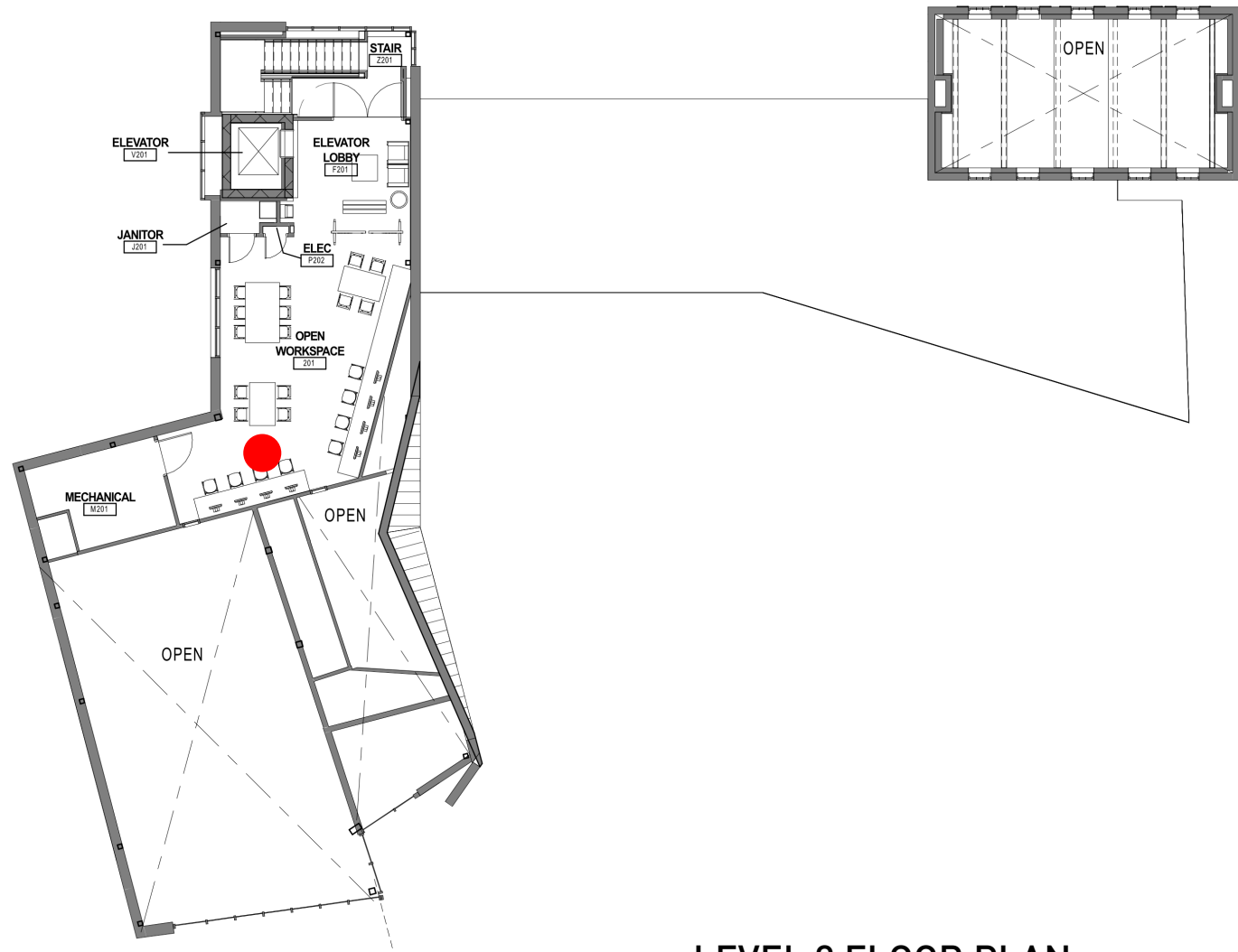












LEVEL 2 FLOOR PLAN



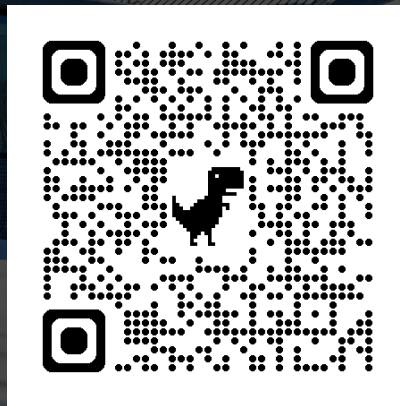








THANK YOU



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SHAPES LIVES.
SPACE SHAPES
BEHAVIOR.**