

Commission of Fine Arts Concept Review

Truesdell Elementary School

Agenda

Overview + Objectives

Background

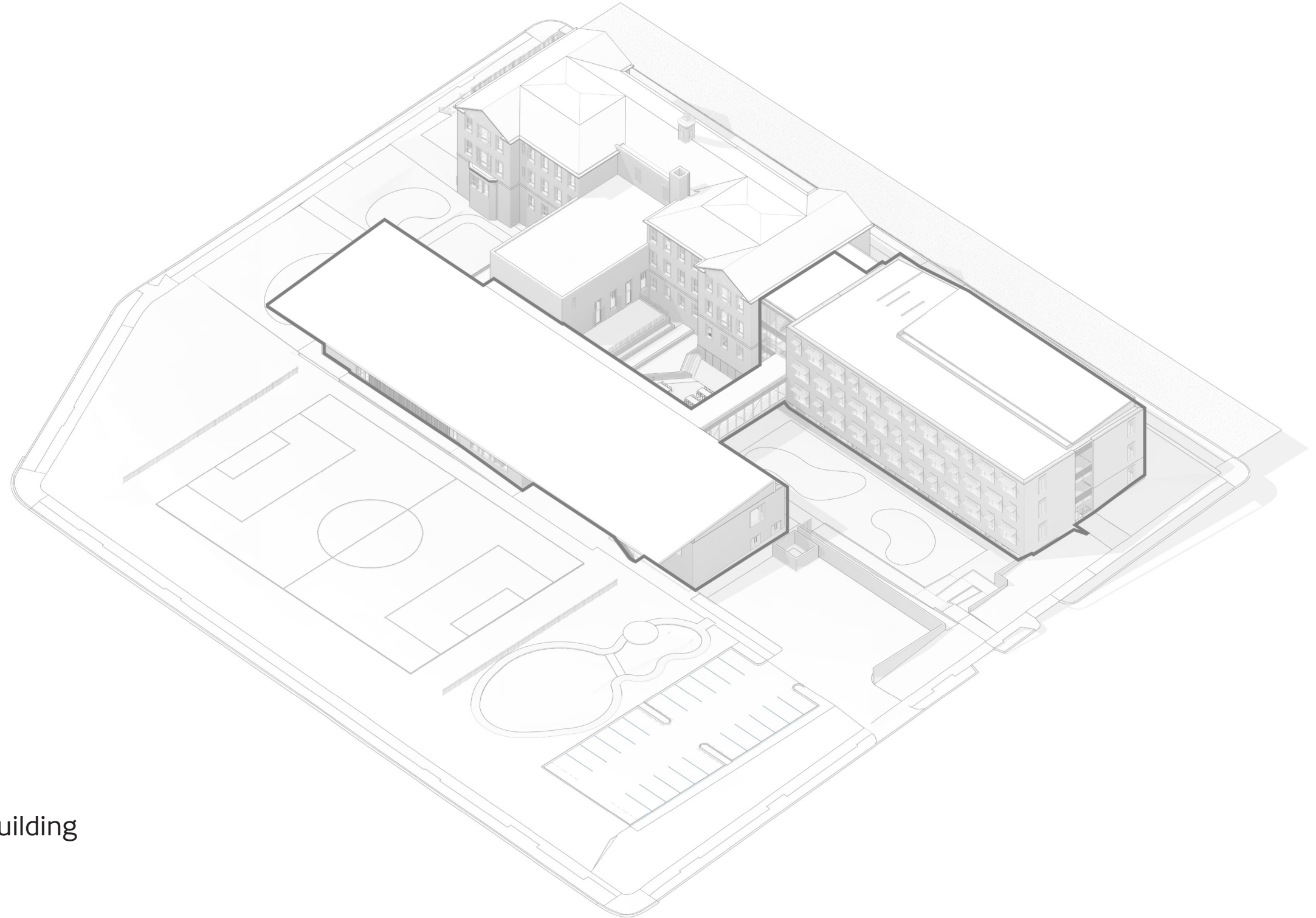
1. Neighborhood Context
2. Site Observations
3. Existing Building

Proposed Design

1. Strategies
2. Site Organization
3. Building Organization
4. Massing + Articulation

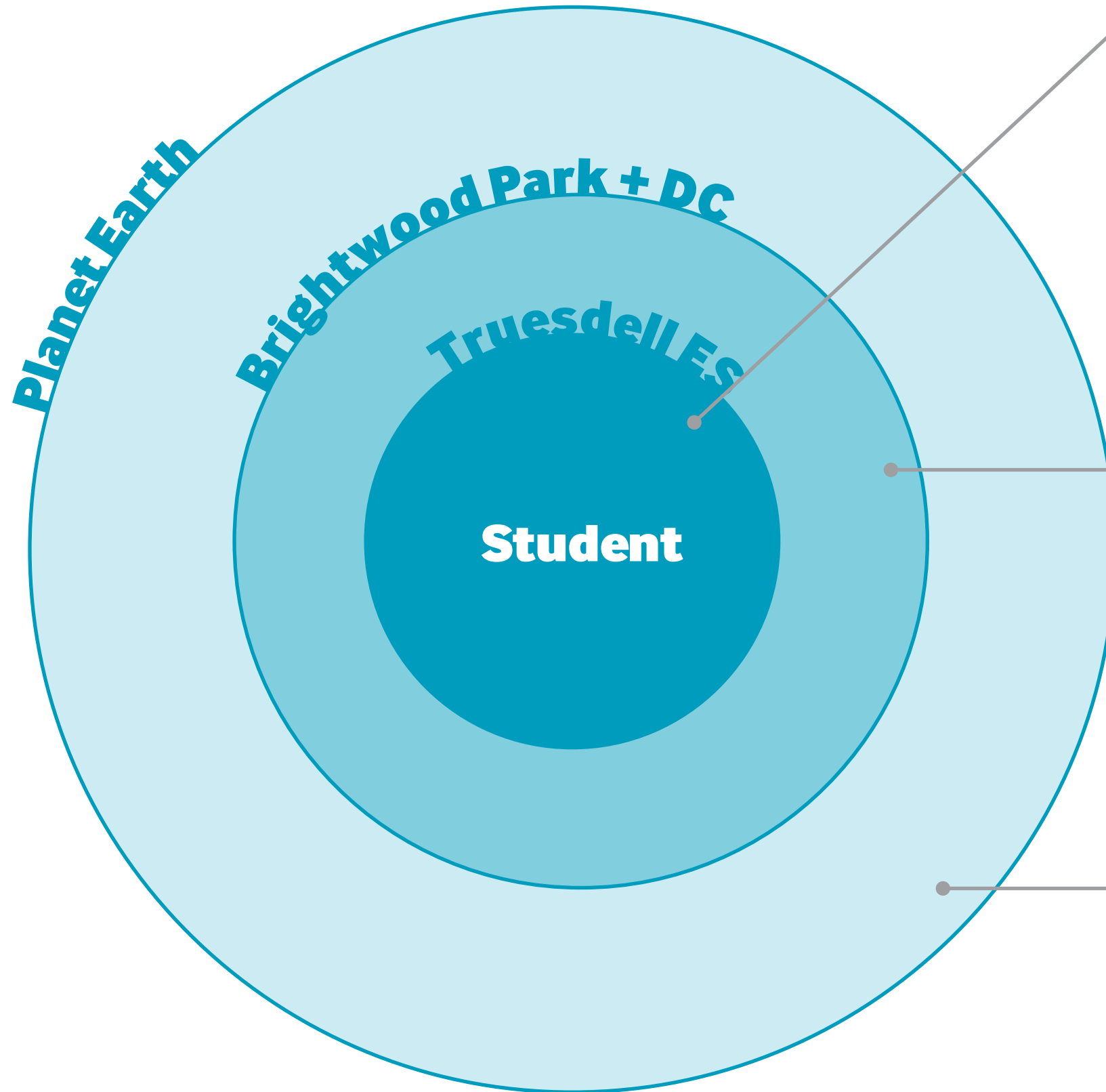
Historic Building Approach

1. Improvements to Historic Building



1

Overview + Objectives



Learner - centered

- Create safe, healthy, high-performing learning environments
- Design to scale and developmental needs of learners
- Maximize connections to the outdoors
- Leverage the entire building and site for learning

Community - oriented

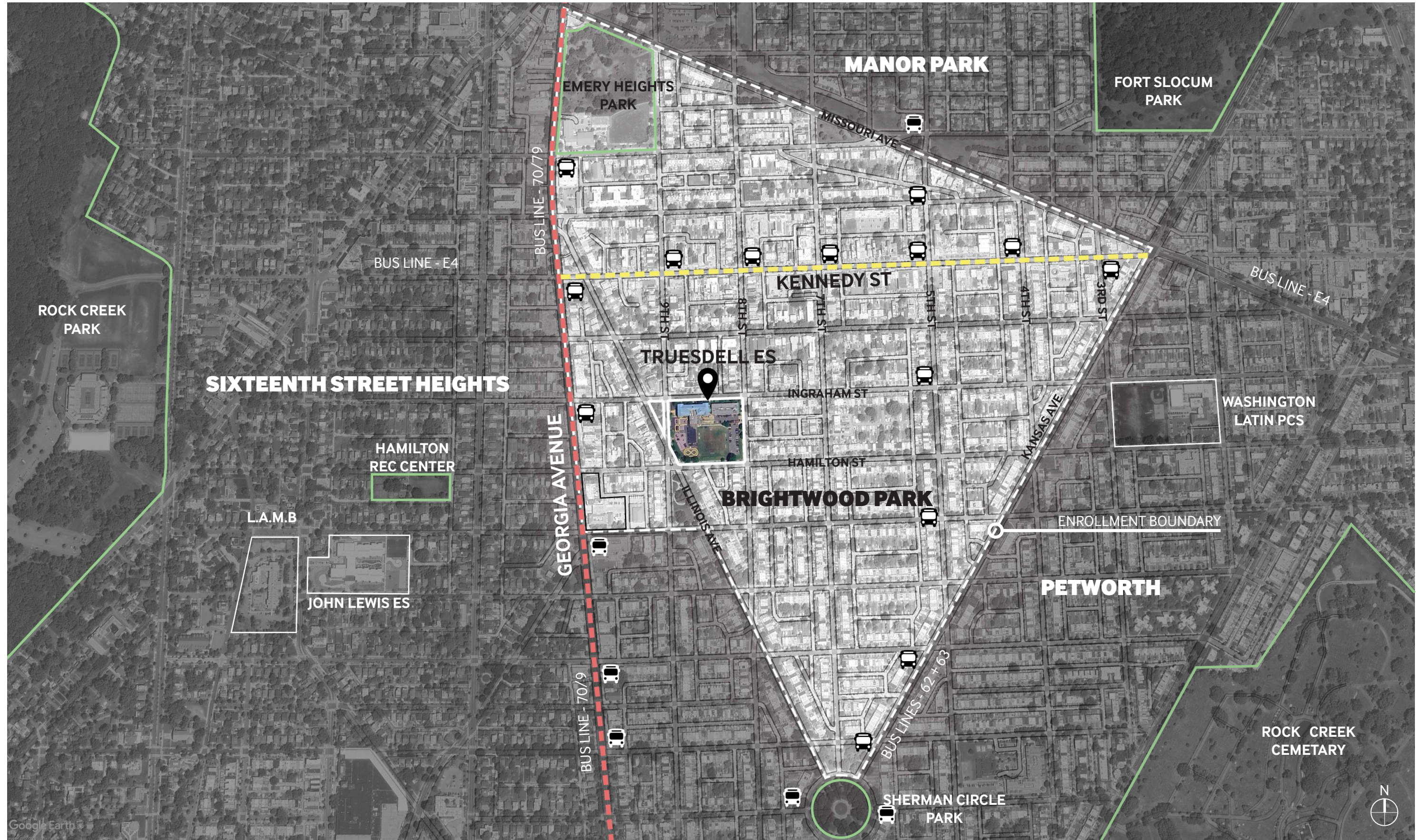
- Enhance pedestrian safety
- Honor the historic building
- Respect the scale, massing and materials of the context
- Maximize opportunities for access and shared use

Globally - sustainable

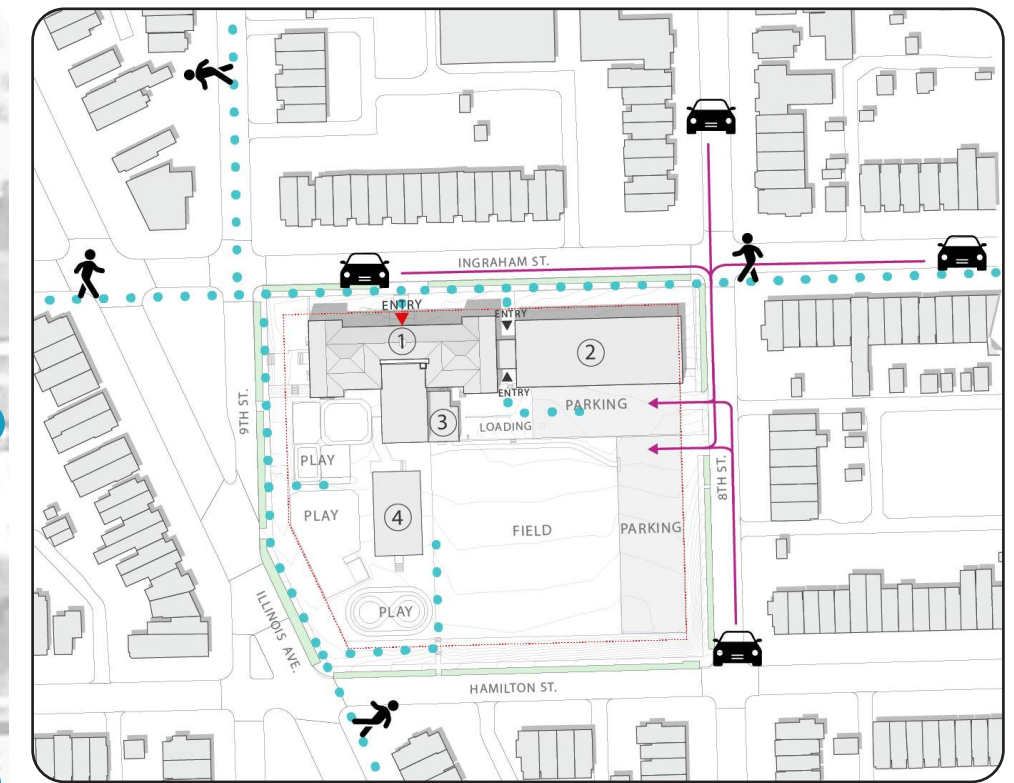
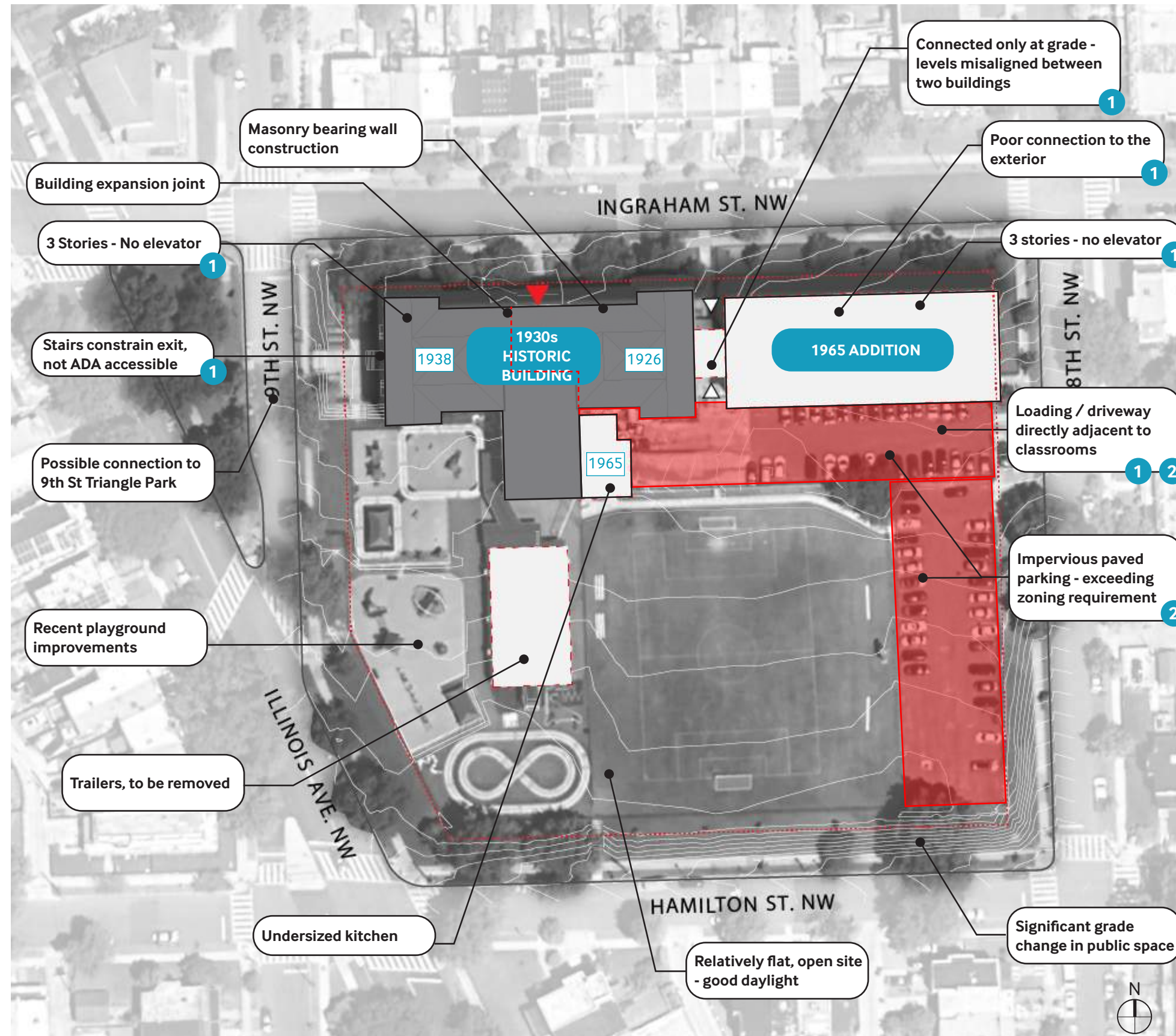
- Achieve NZE certification
- Meet or exceed LEED Gold certification
- Meet or exceed WELL Gold certification
- Minimize embodied carbon

2 Background

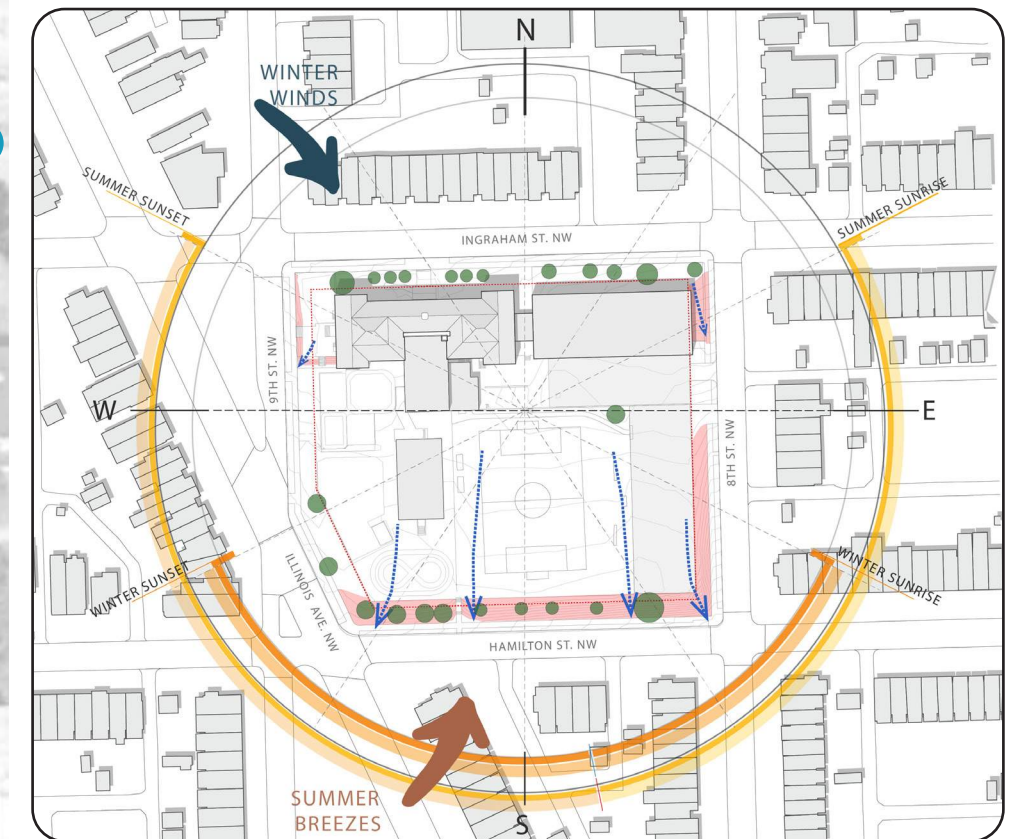
Background | Neighborhood Context



Background | Site Observations



Site Circulation: Pedestrians and Vehicles



Environmental: Sun Path, Prevailing Winds, and Stormwater Flow

1 Goal: Improve physical connections and accessibility.

2 Goal: Separate vehicle and pedestrian paths.

Project Background | Site Observations



1



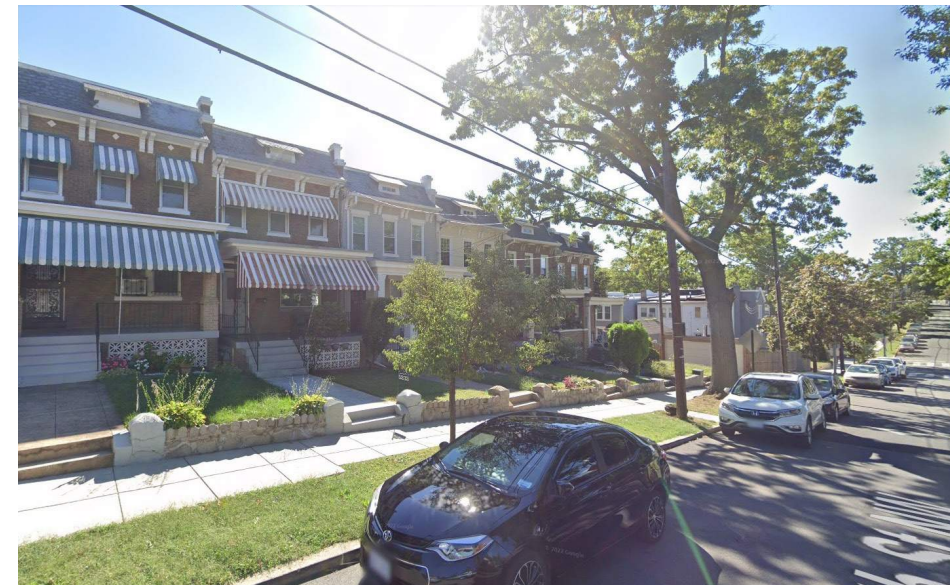
2



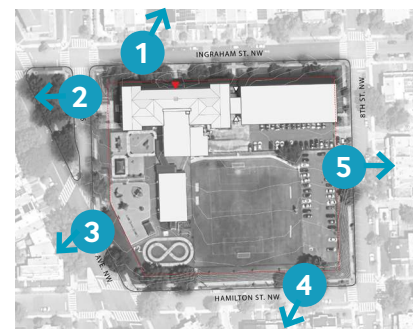
3



4



5



Project Background | Existing Building



1



2



3



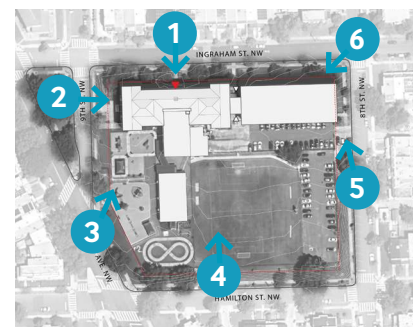
4



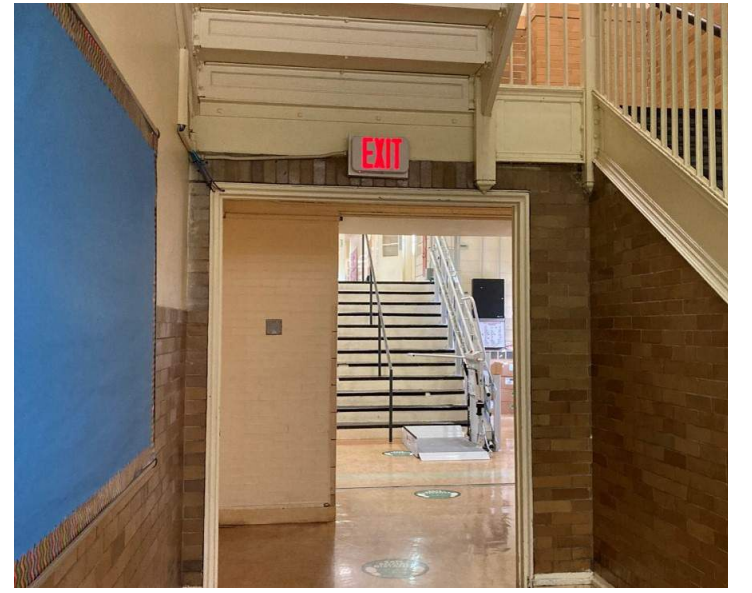
5



6



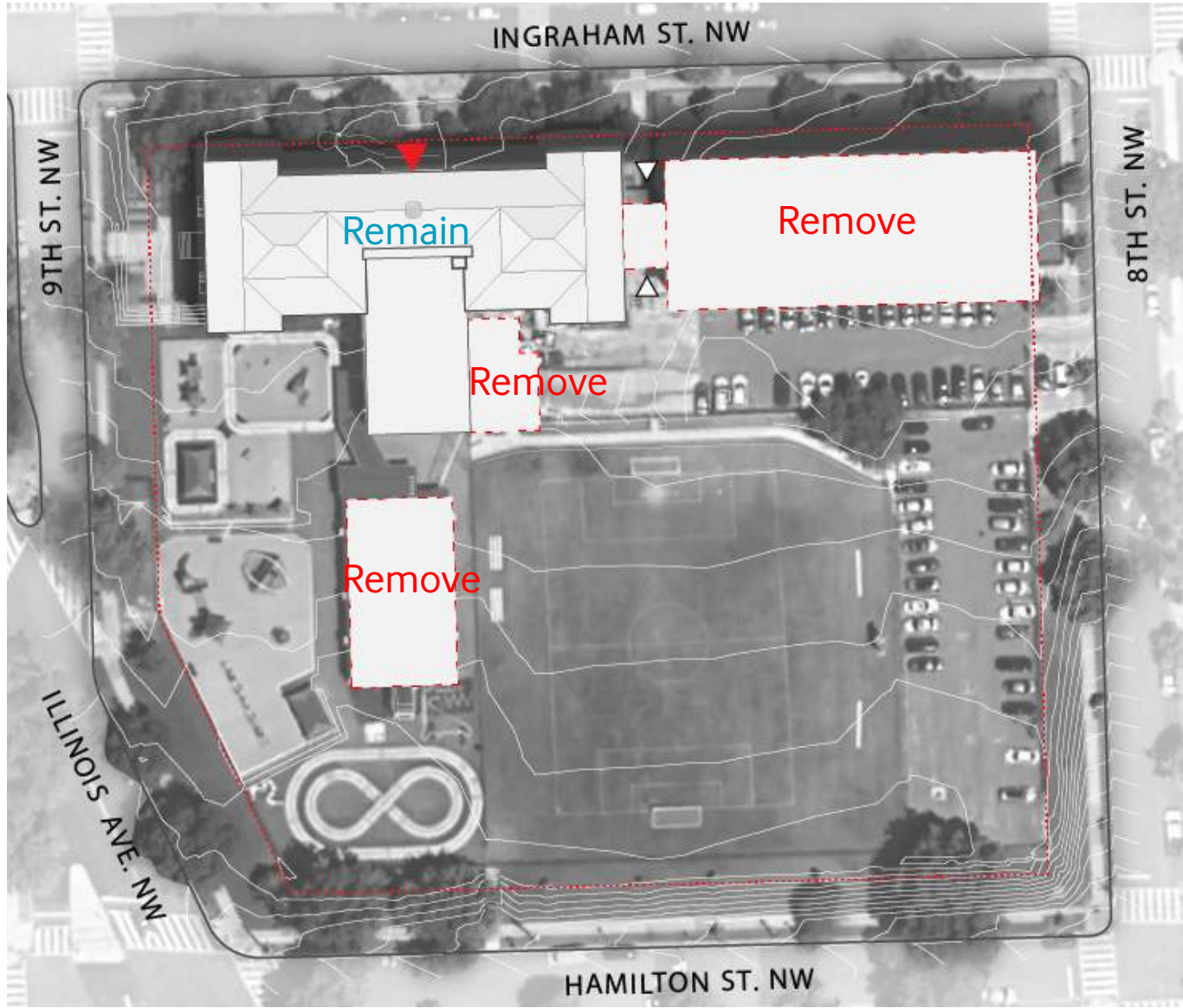
Project Background | Existing Building



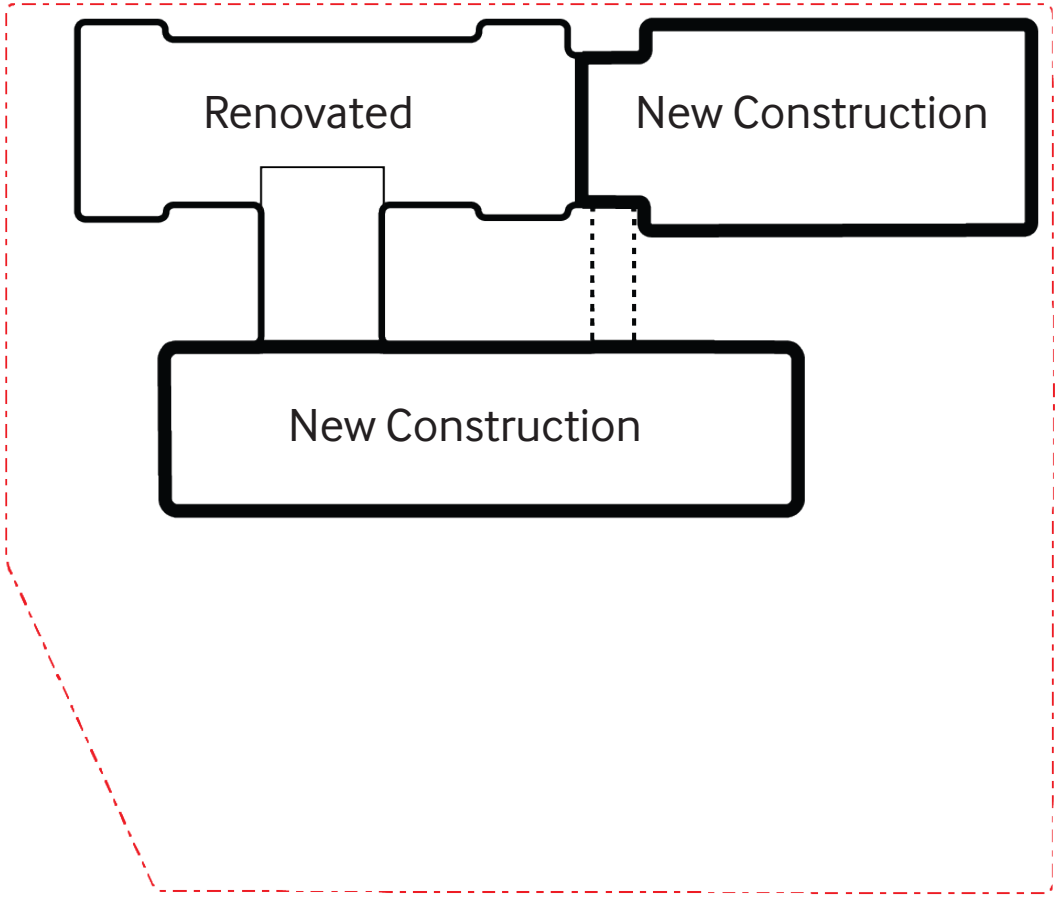


Proposed Design

Proposed Design | Strategies



Existing



Proposed

Proposed Design | Strategies

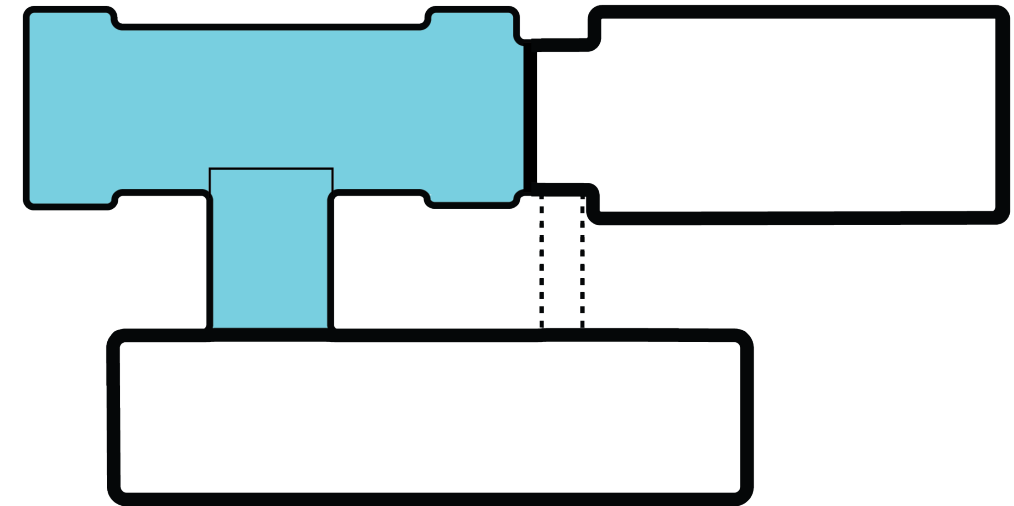


Above: Stead Park Recreation Center

Honor the Historic Building

Additions harmonize with the original historic building. Connections are as light as possible. Minimize structural modifications.

- Appropriately scaled building additions
- Floor levels consistent from renovation to addition.



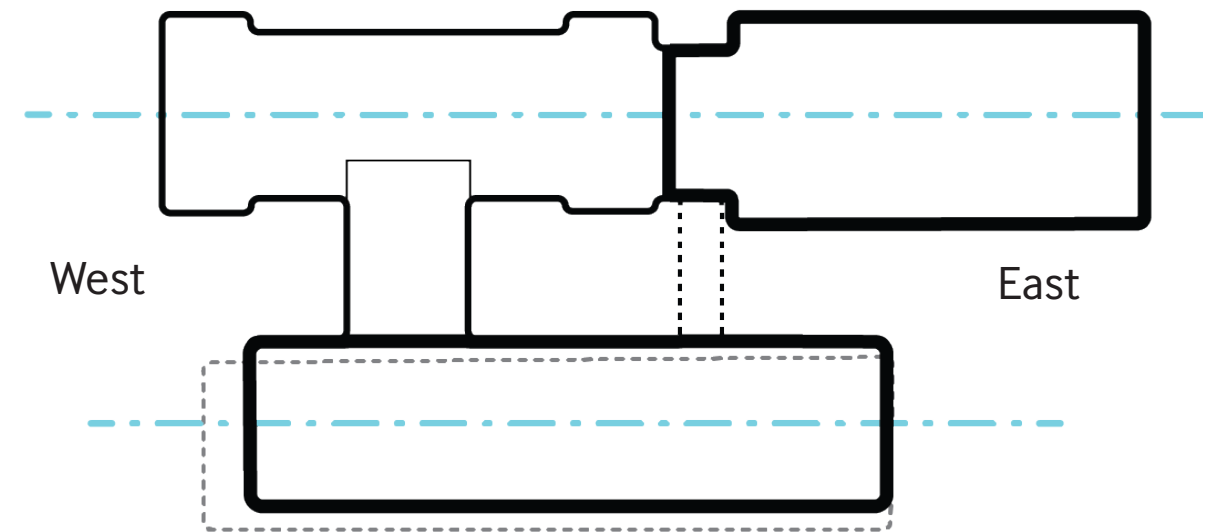
Proposed Design | Strategies



Above: Bluestone Elementary School

Massing + Daylight

Building masses are oriented to maximize north and south exposures. Roofs extend out to provide covered play and dining spaces and increase PV area.



Proposed Design | Strategies

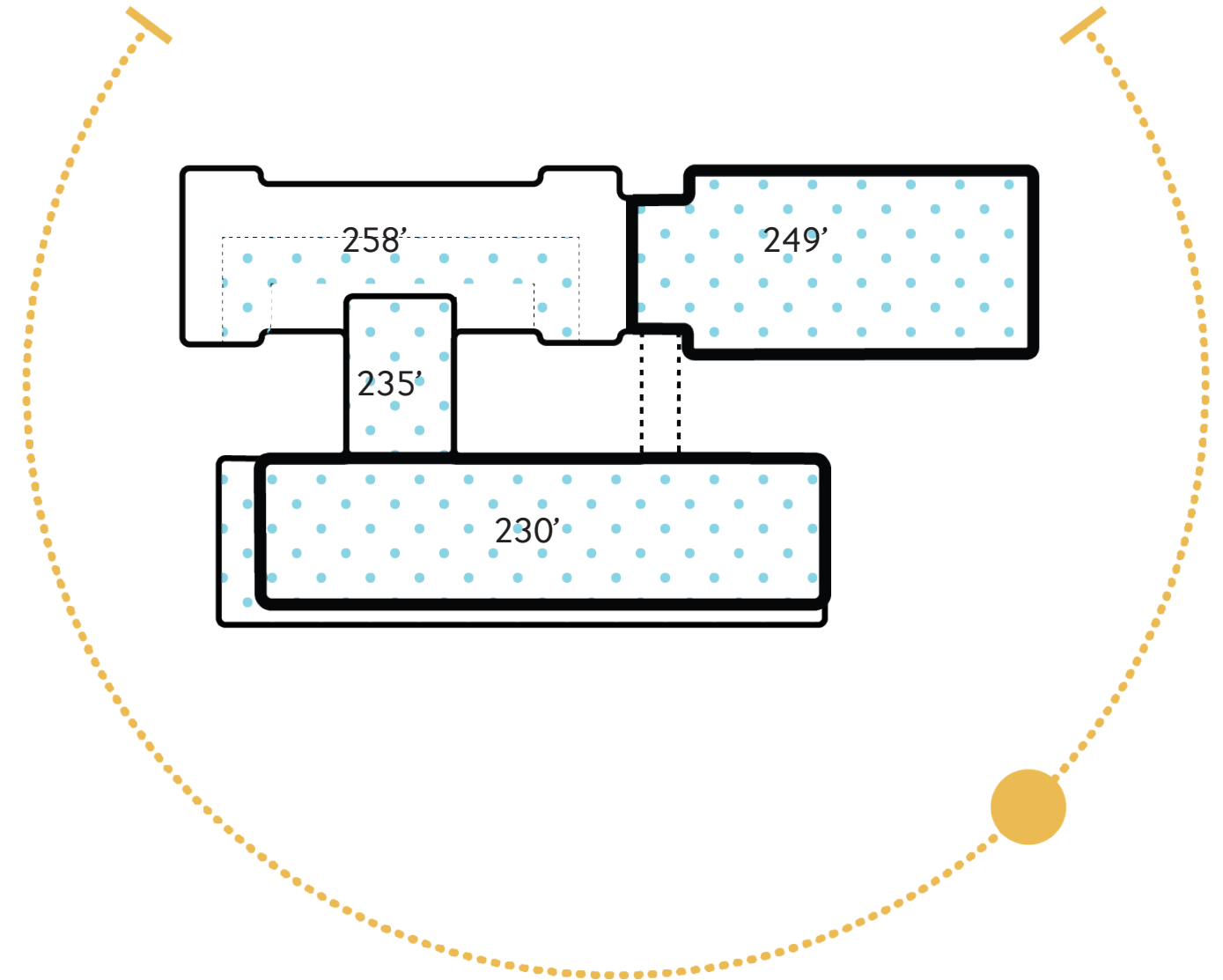


Above: Alice West Fleet Elementary School

Maximize Solar Access

Step roof heights down to the south to maximize roof top solar access.

- Allow daylight into courtyard spaces



Proposed Design | Strategies

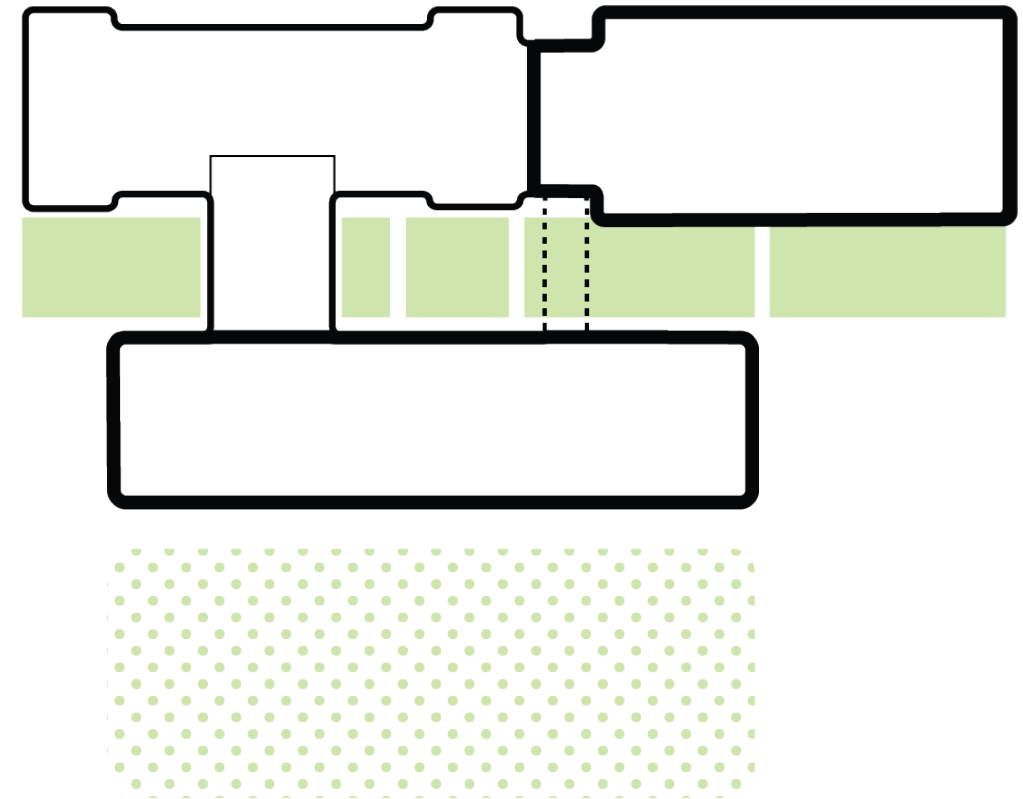


Above: Manassas Park Elementary School

Greenspace at the Center

Position greenspace outdoor learning and play spaces at the center of the facility.

- Variety of outdoor spaces with direct access and rational adjacencies to interior program



Proposed Design | Strategies

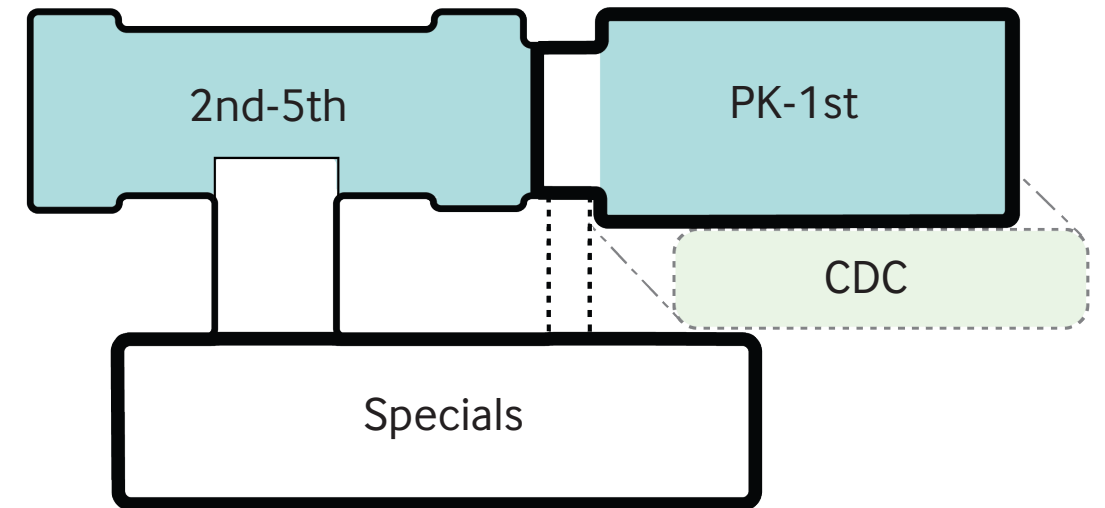


Above: Cardinal Elementary School

Distinctive Learning Communities

Break down the scale of the building into distinctive areas organized by grade level.

- Intuitive building organization
- Academic core located in a bar along front will make classrooms feel connected and clearly organized
- Building form and structure responsive to programmatic needs
- Specials building can be isolated for evening and weekend community use



Proposed Design | Strategies

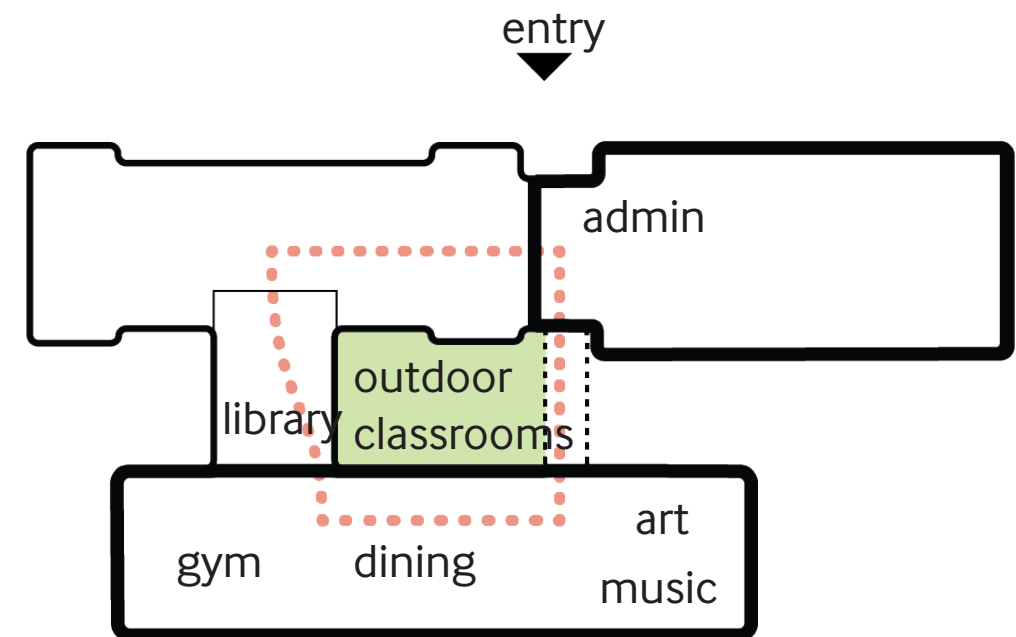


Above: Discovery Elementary School

Enhance Connectivity

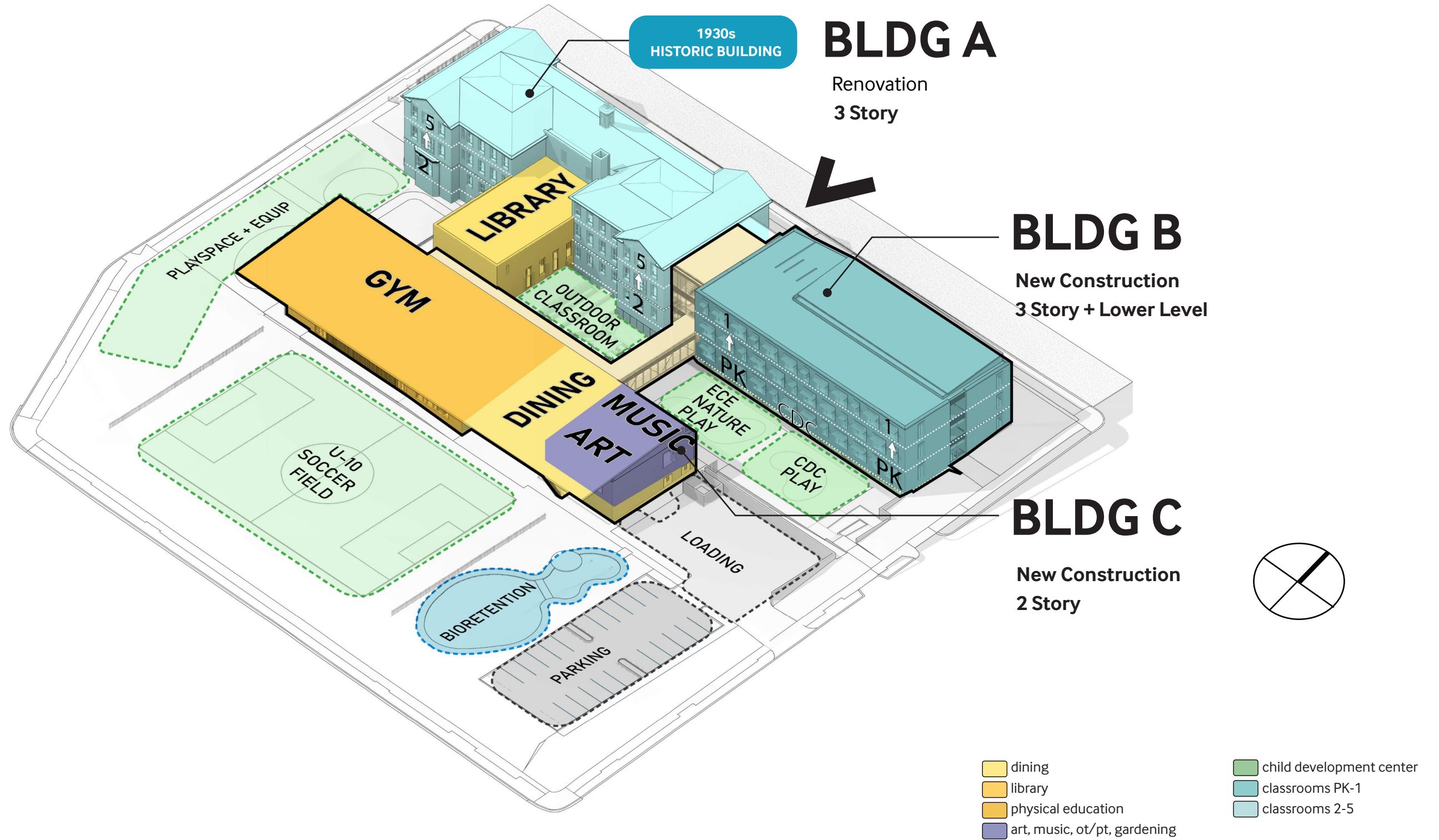
Organize specials program (gym, dining, music, art, library) in a clearly defined loop around a central courtyard.

- Maximize connectivity between the historic building and new additions.
- Provide intuitive wayfinding

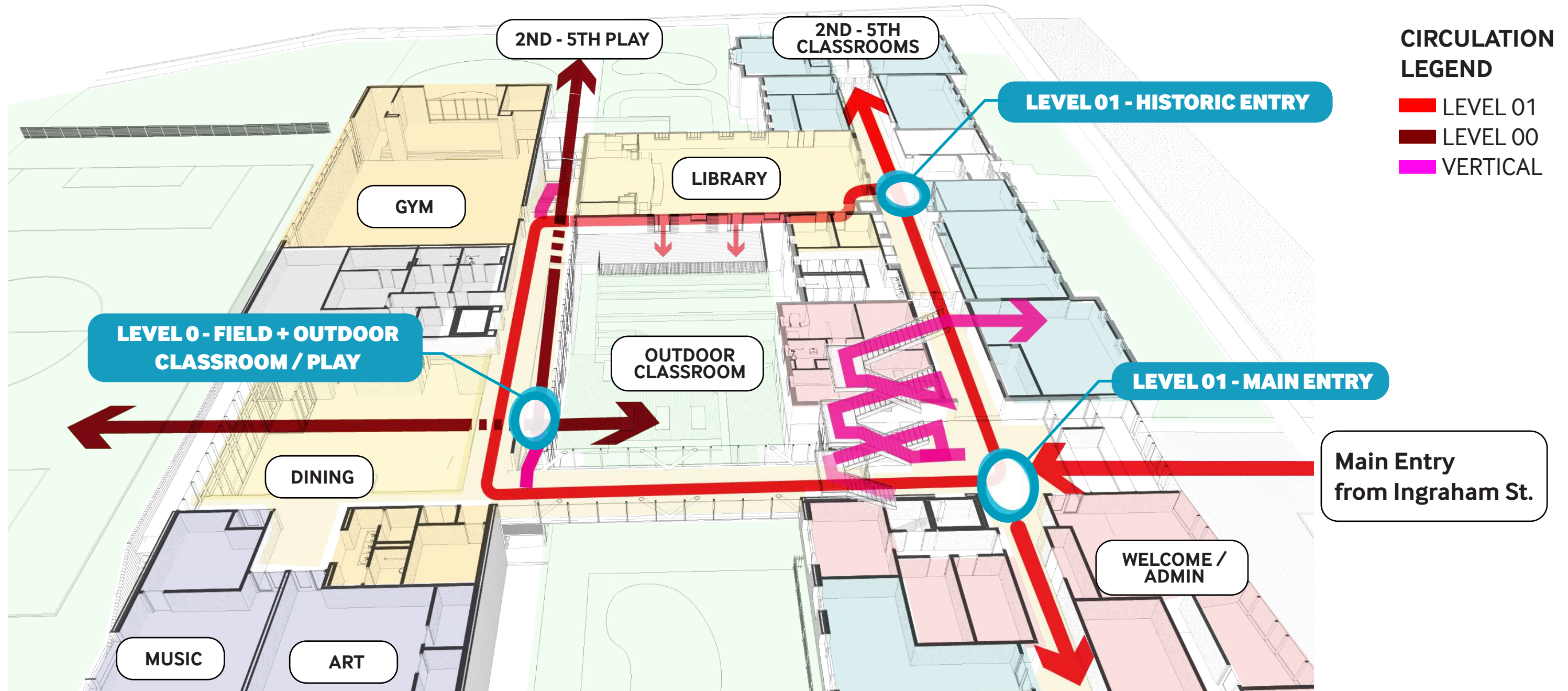


Proposed Design | Strategies

A courtyard concept that maximizes internal connections and preserves site area for learning and play

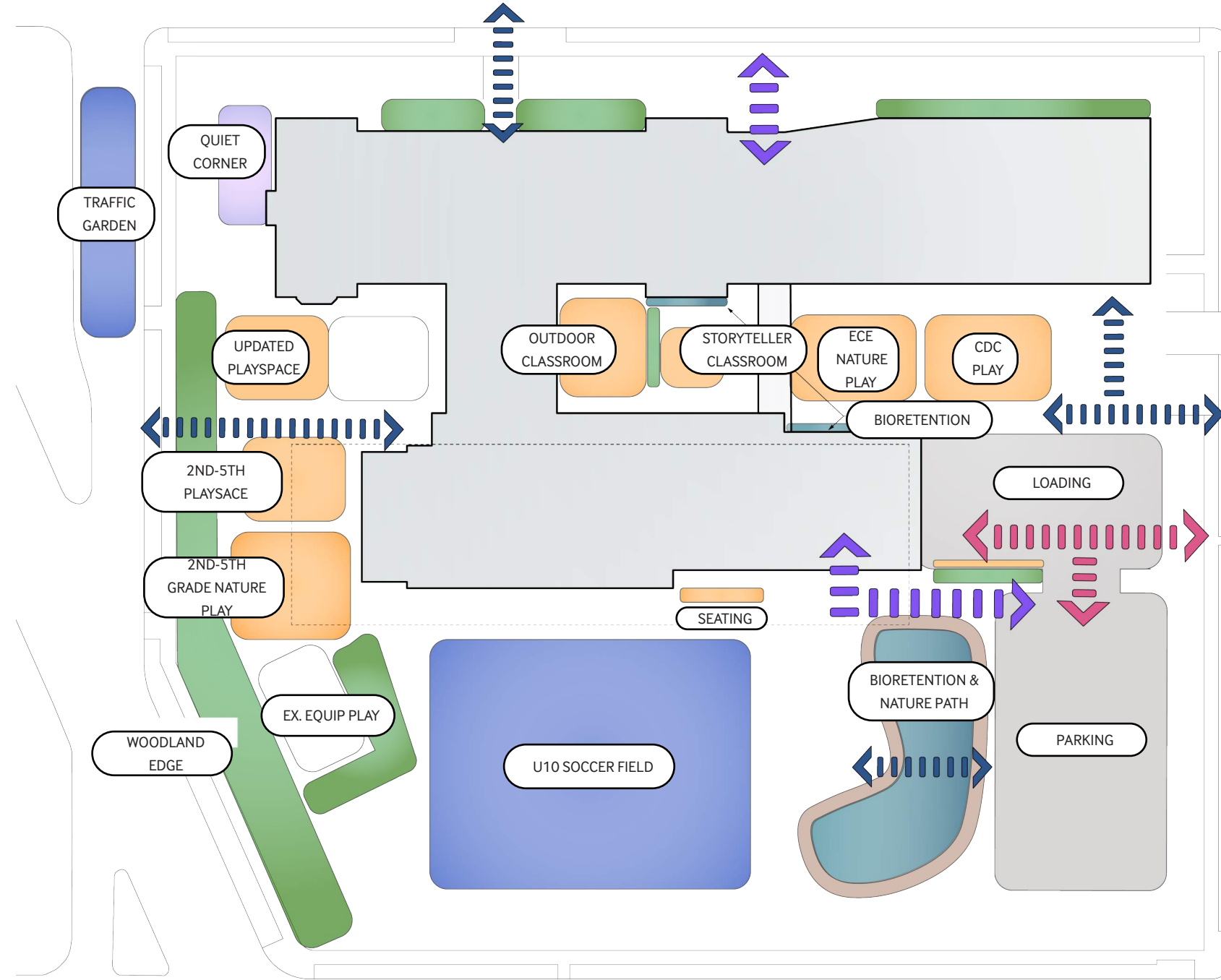


Proposed Design | Strategies



Site Section

Proposed Design | Site Organization

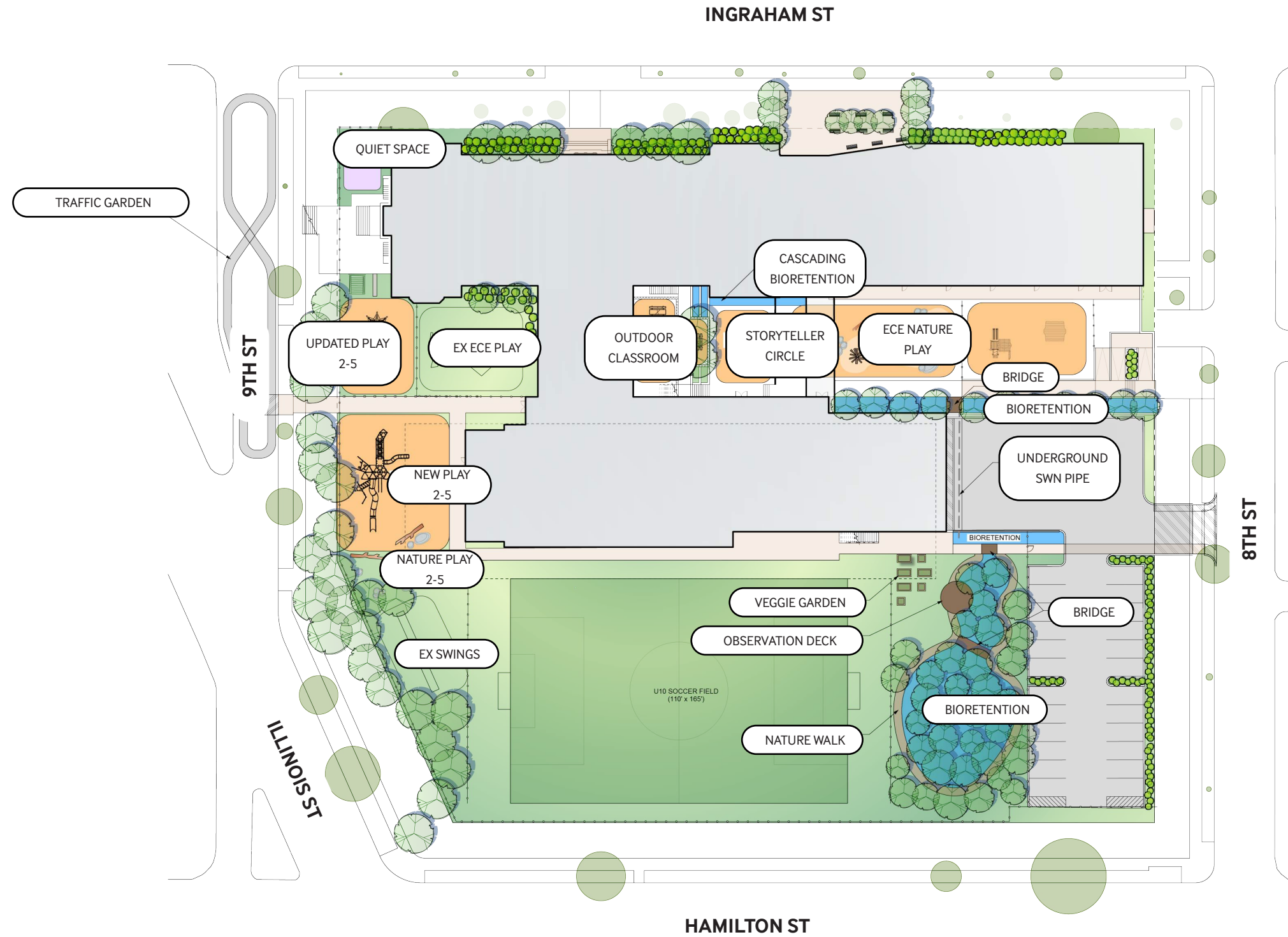


KEY

- STORMWATER MANAGEMENT
- PARKING/LOADING
- VEGETATION
- SPORTS
- QUIET SPACE
- PLAY/PROGRAMMATIC SPACE
- EXISTING PLAY SPACE
- PRIMARY PEDESTRIAN CIRCULATION
- VEHICLE CIRCULATION
- SECONDARY PEDESTRIAN CIRCULATION



Proposed Design | Site Plan



KEY

- EXISTING TREE
- EXISTING TREE REMOVAL
- NEW OR UPDATED PLAY/LEARNING SPACE
- EXISTING PLAY SPACE
- PARKING/LOADING
- QUIET SPACE
- STORMWATER MANAGEMENT

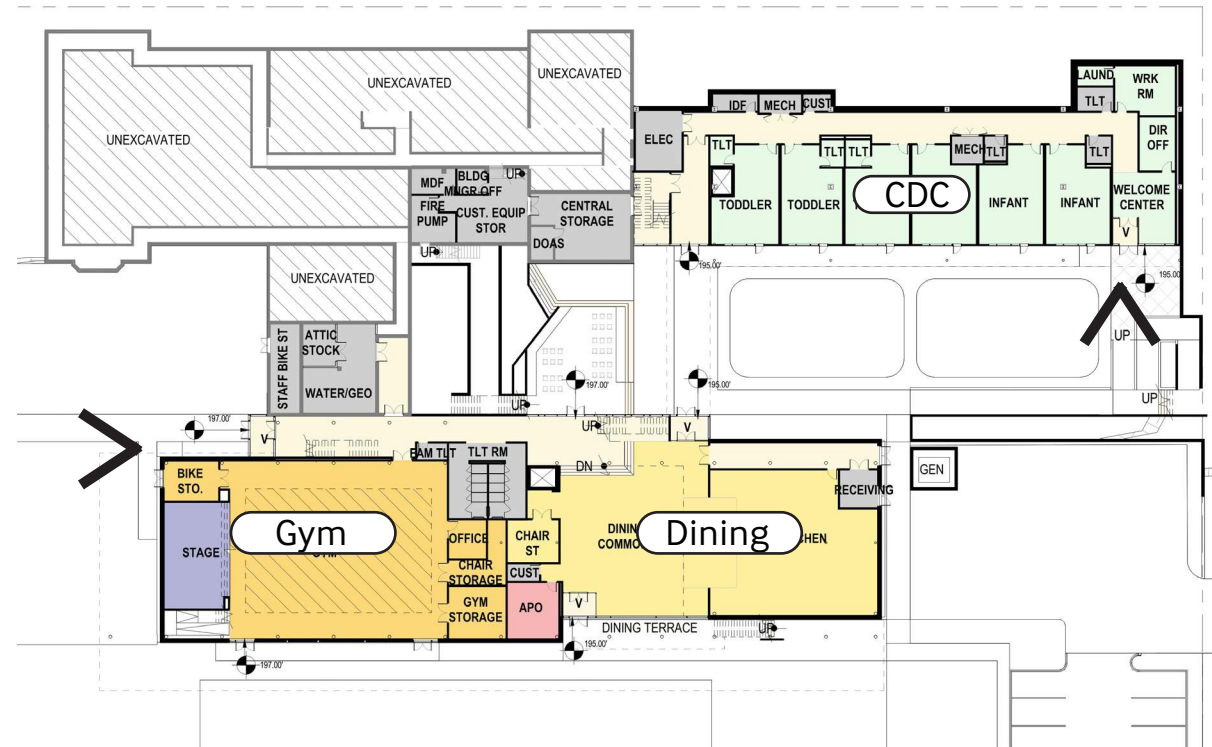


Proposed Design | Site Character

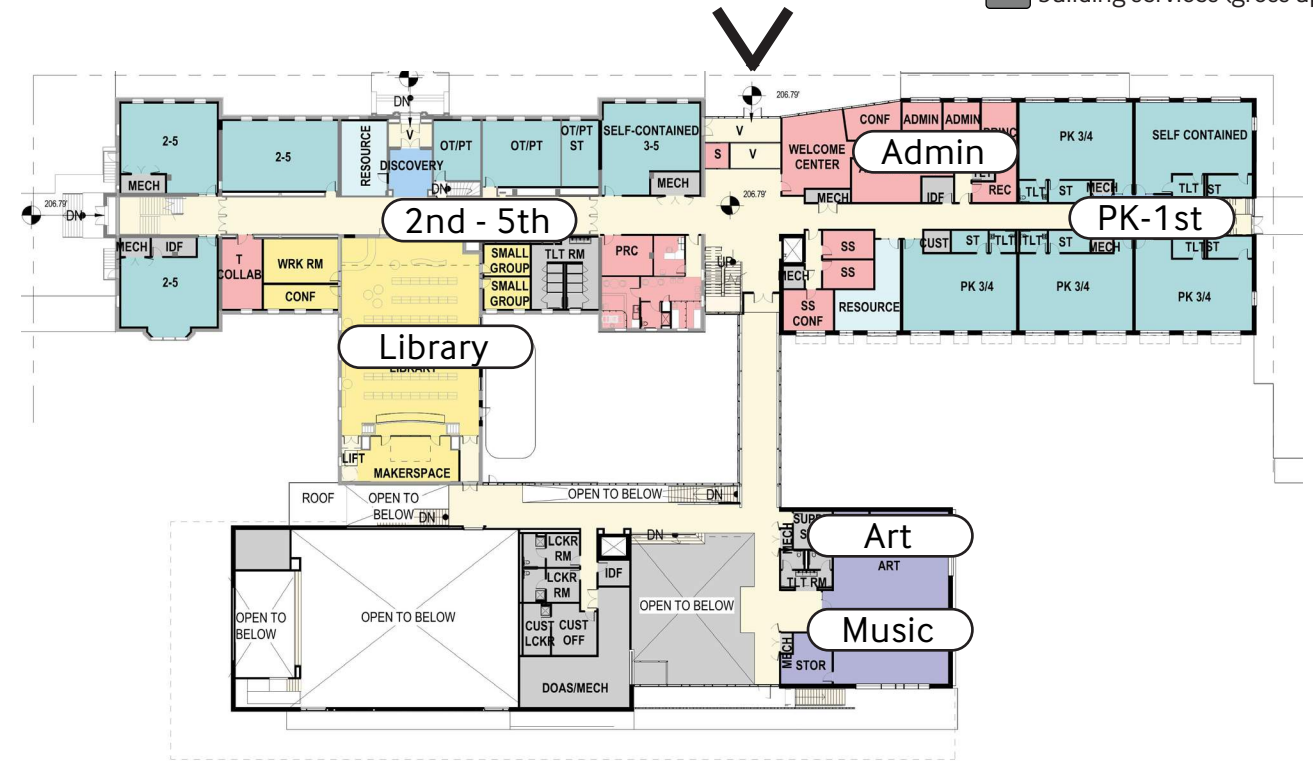


Proposed Design | Building Organization

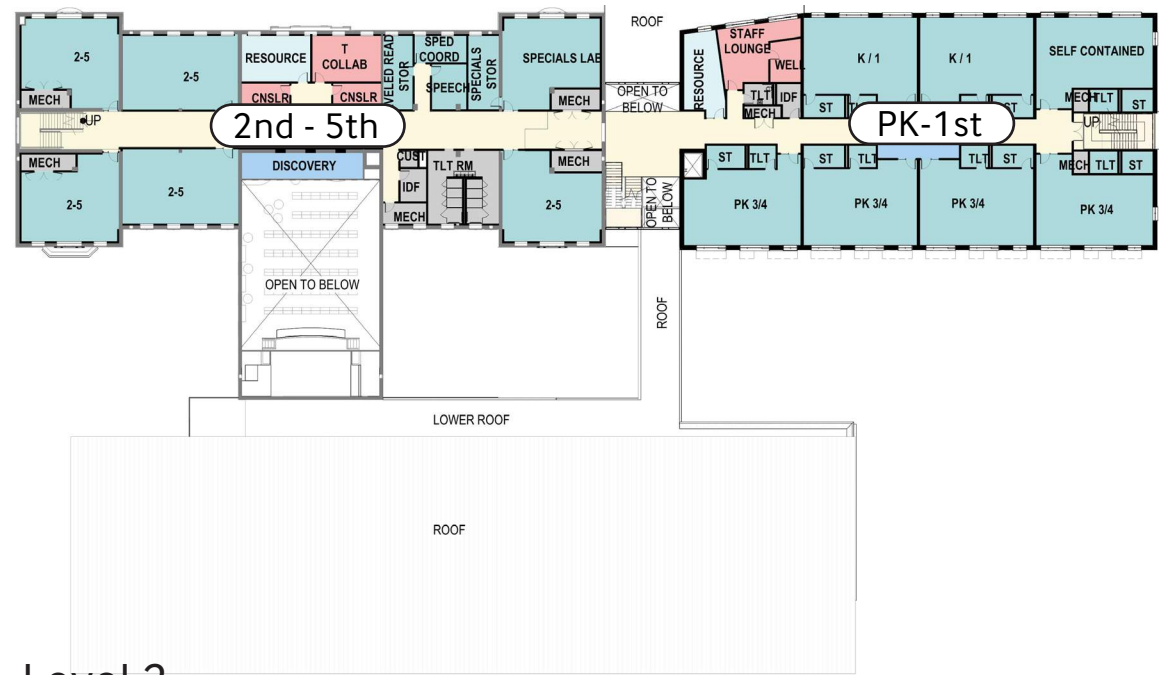
- administration / staff support
- dining
- library
- physical education
- art, music, ot/pt, gardening
- child development center
- classrooms PK-1
- classrooms 2-5
- resource / discovery commons
- building services
- building services (gross up)



Level 0 - Field



Level 1 - Street Level



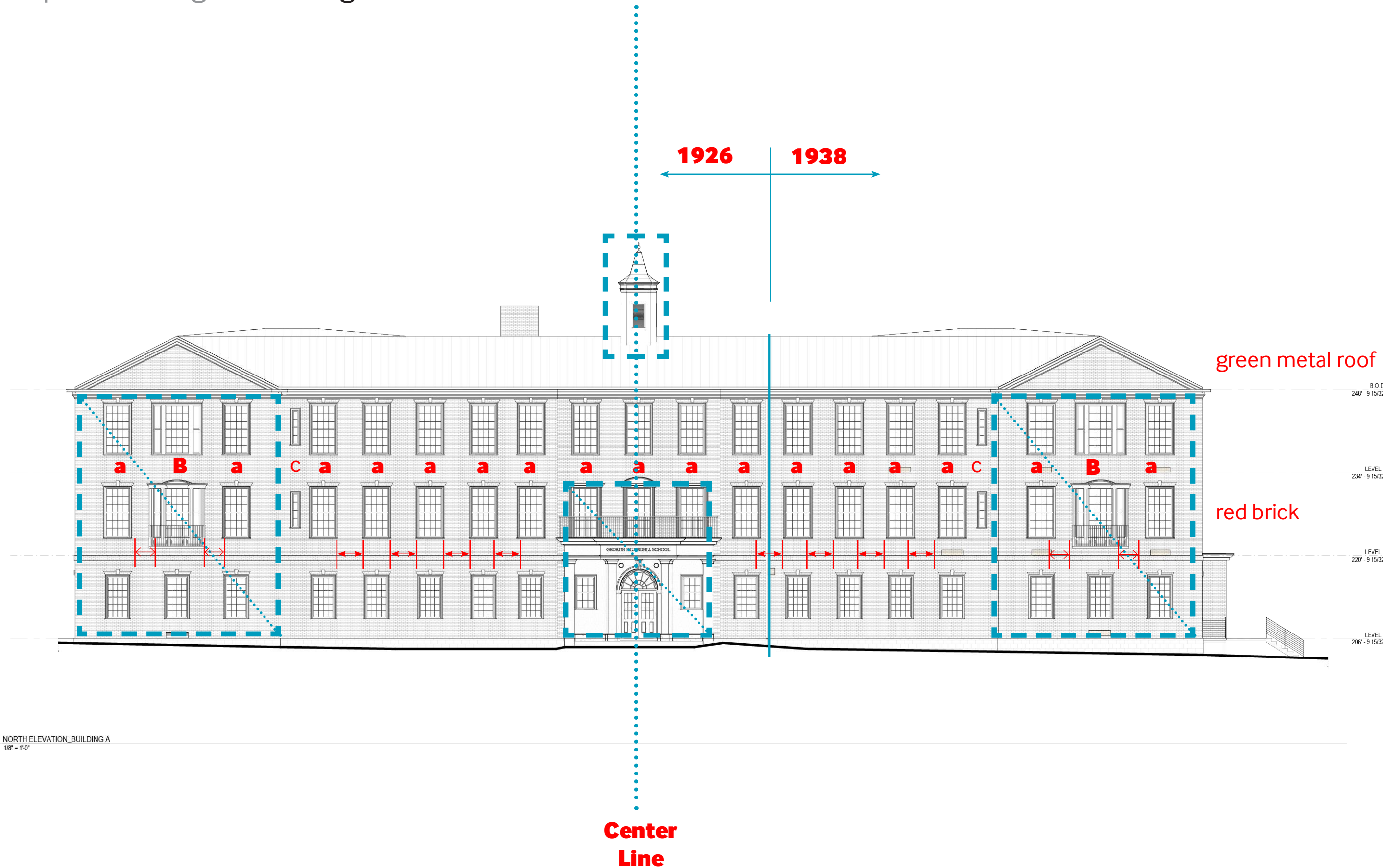
Level 2



Level 3



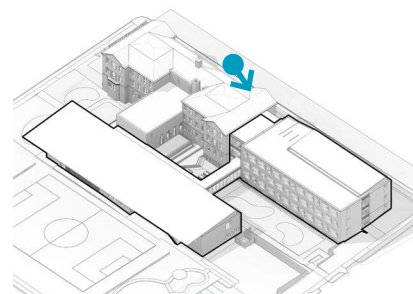
Proposed Design | Massing + Articulation



1 NORTH ELEVATION_BUILDING A
A310 1/8" = 1'-0"

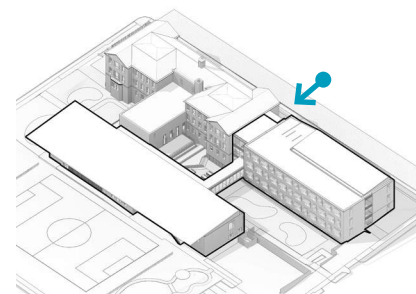
Proposed Design | Massing + Articulation

Ingraham Street



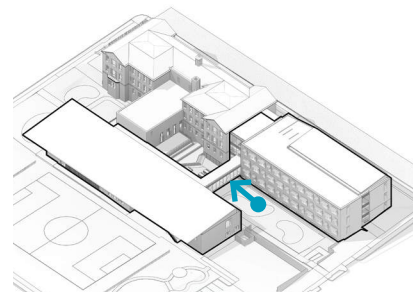
Proposed Design | Massing + Articulation

Main Entry



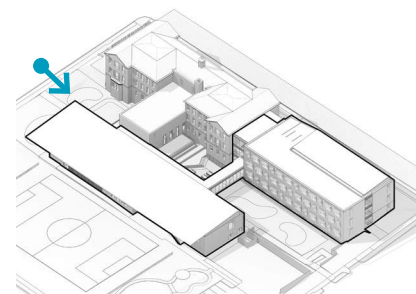
Proposed Design | Massing + Articulation

Courtyard



Proposed Design | Massing + Articulation

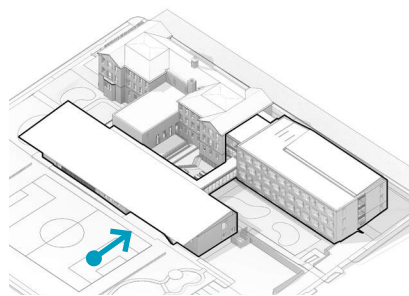
West Community Entry





Proposed Design | Massing + Articulation

Community Pavilion



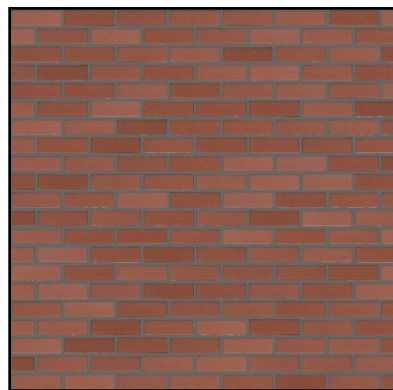
Proposed Design | Massing + Articulation

North Elevation



BLDG B

BLDG A



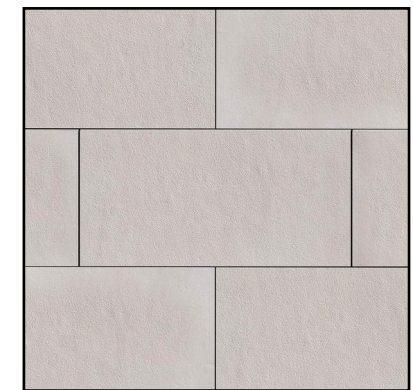
RED BRICK MIX



COLORED METAL PANELS



GREEN STANDING SEAM



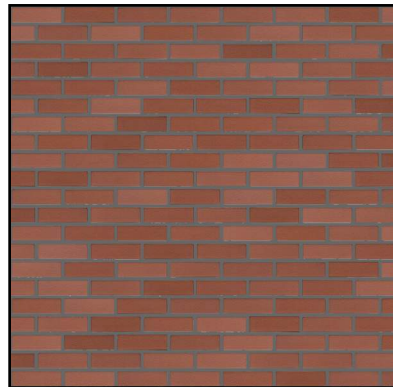
WARM LIMESTONE

Proposed Design | Massing + Articulation

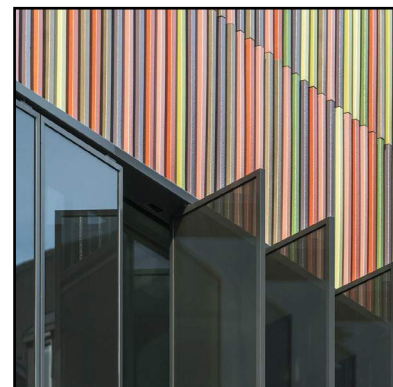
South Elevation



BLDG C



RED BRICK MIX



COLORFUL TERRACOTTA BAGUETTES



GREEN STANDING SEAM



TIMBER STRUCTURE

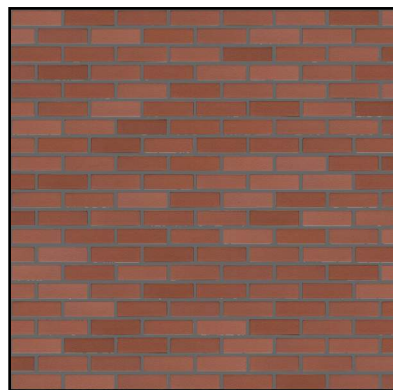
Proposed Design | Massing + Articulation

East Elevation

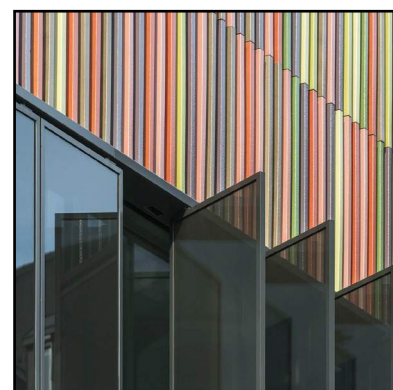


BLDG C

BLDG B



RED BRICK MIX



COLORFUL TERRACOTTA BAGUETTES



GREEN STANDING SEAM



TIMBER STRUCTURE



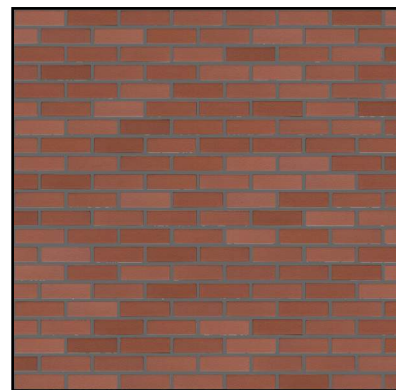
Proposed Design | Massing + Articulation

West Elevation

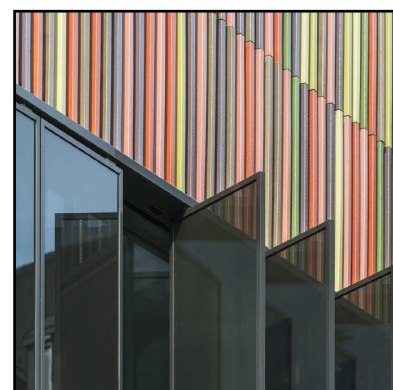


BLDG A

BLDG C



RED BRICK MIX



COLORFUL TERRACOTTA BAGUETTES



GREEN STANDING SEAM



TIMBER STRUCTURE

4

Historic Building Approach

Proposed Design | Historic Building Approach



NORTH ELEVATION



Window Detail at End Bay. *Clean and repoint brick. Repair and repaint woodwork. Repair and repaint railing. Window to remain.*

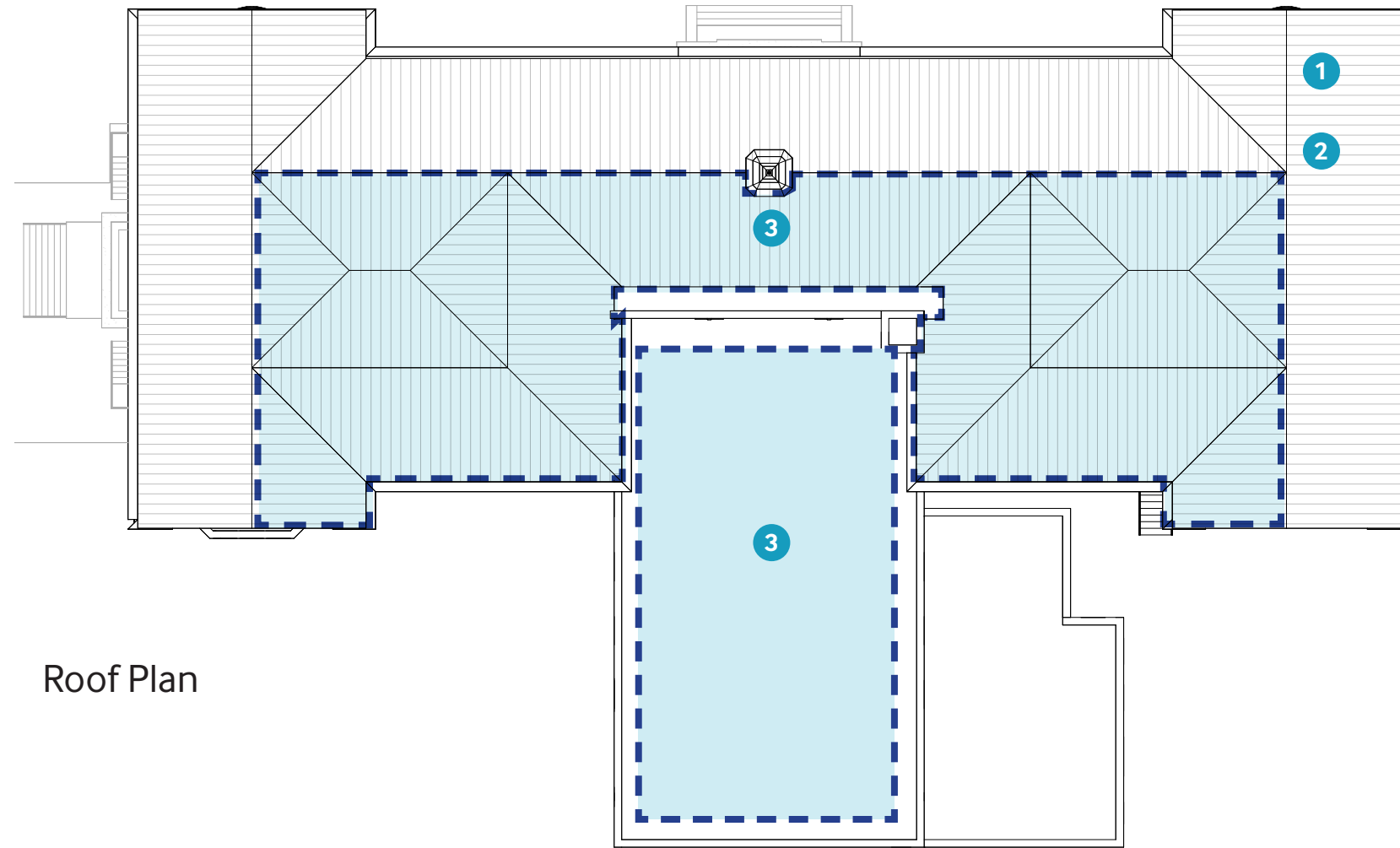


Historic Entry. *Clean and repoint stone. Repair and repaint wood*

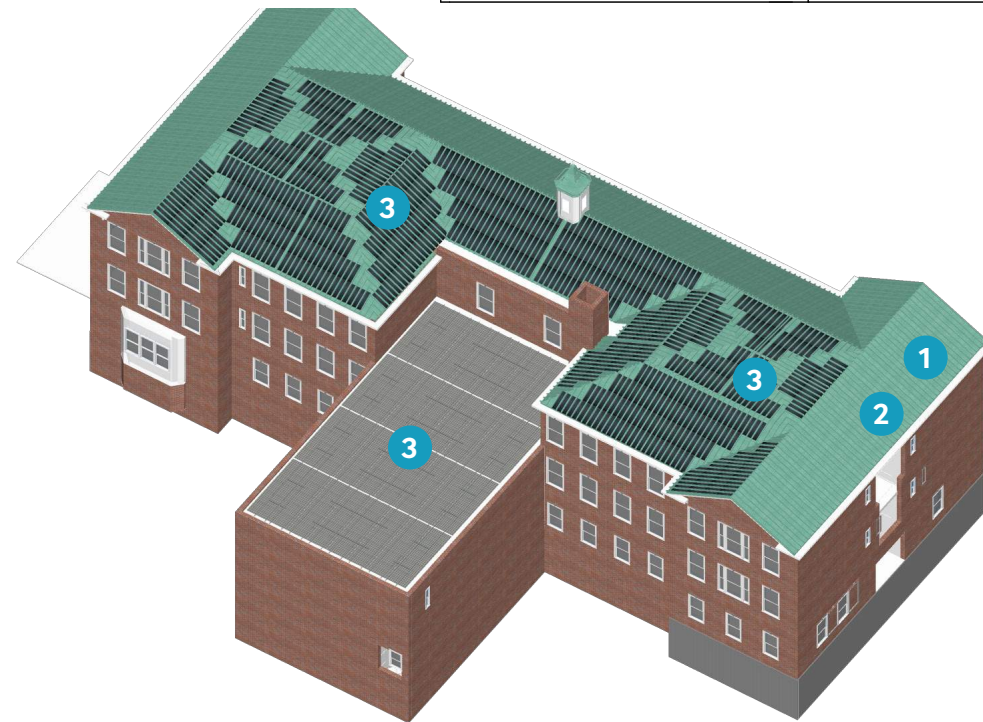


Historic Entry. *Remove equipment, patch, install historically appropriate downspout, clean and repoint masonry, windows to remain.*

Proposed Design | Historic Building Approach



Roof Plan



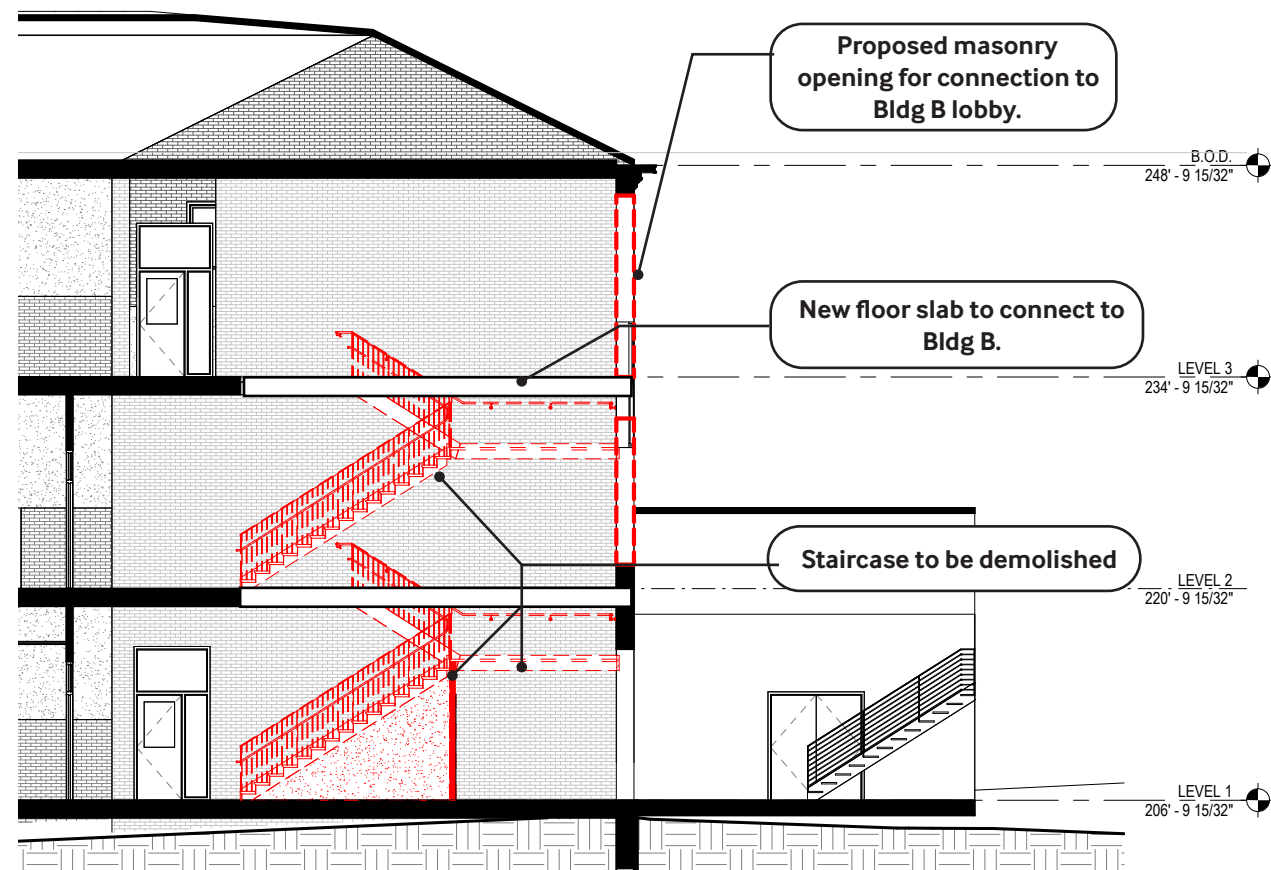
Bird's Eye from southeast.

- 1 Replace painted green standing seam roof in kind.
- 2 Roof Insulation. Possibility to have 2-5" of insulation above the existing roof deck. Additional build up would be visible at the edge.
- 3 Possible location for roof mounted solar panels on flat, inward, and south facing surfaces. These locations would be less visible from the street.

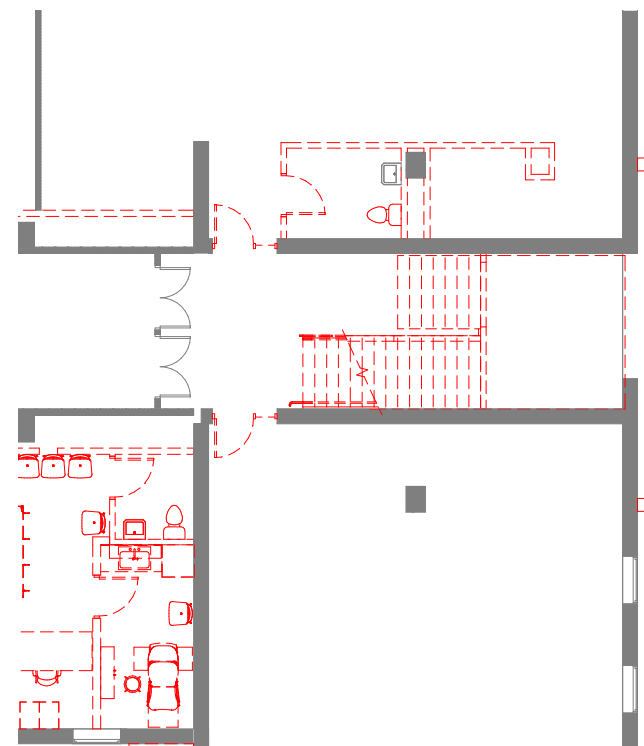


Photo from 9th and Ingraham St.

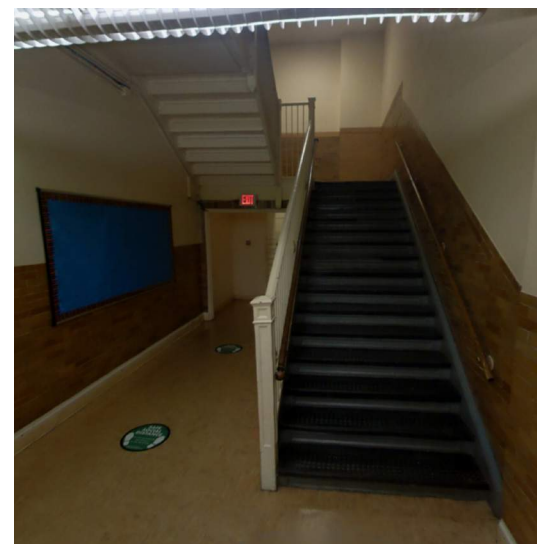
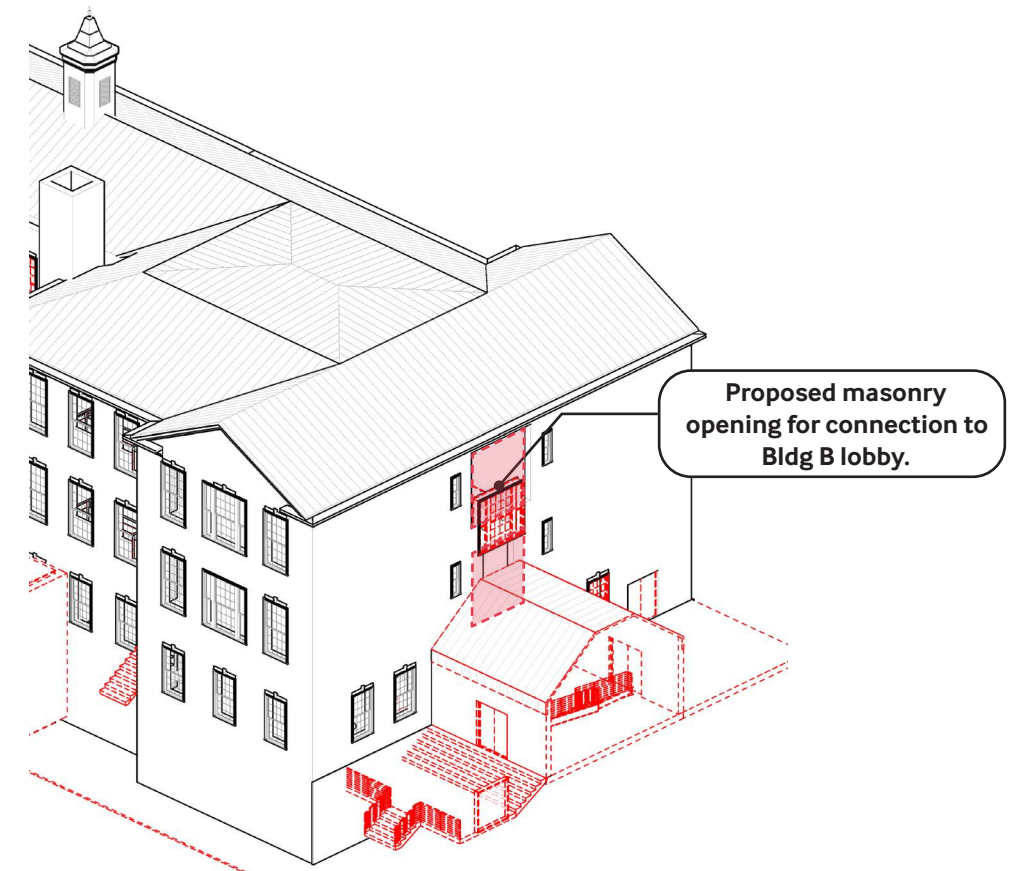
Proposed Design | Historic Building Approach



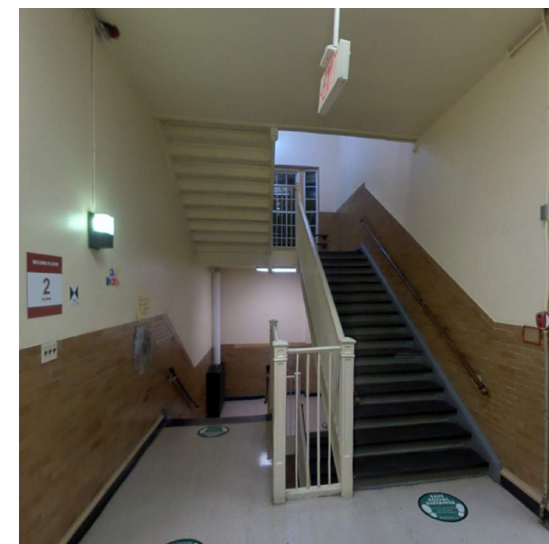
SECTION THROUGH EAST STAIRCASE



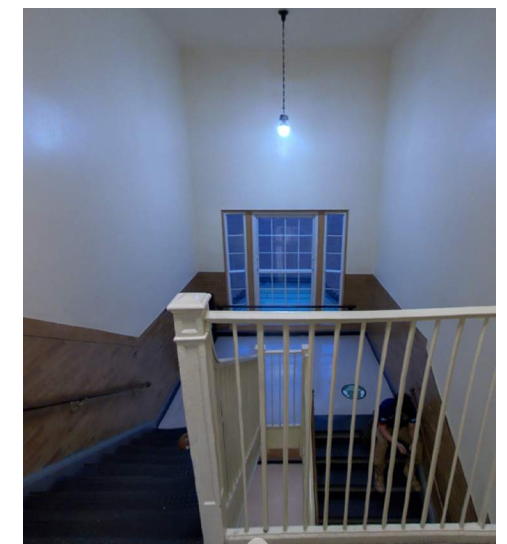
LEVEL 01 - EAST STAIRCASE PLAN



View of East Staircase from Level 1

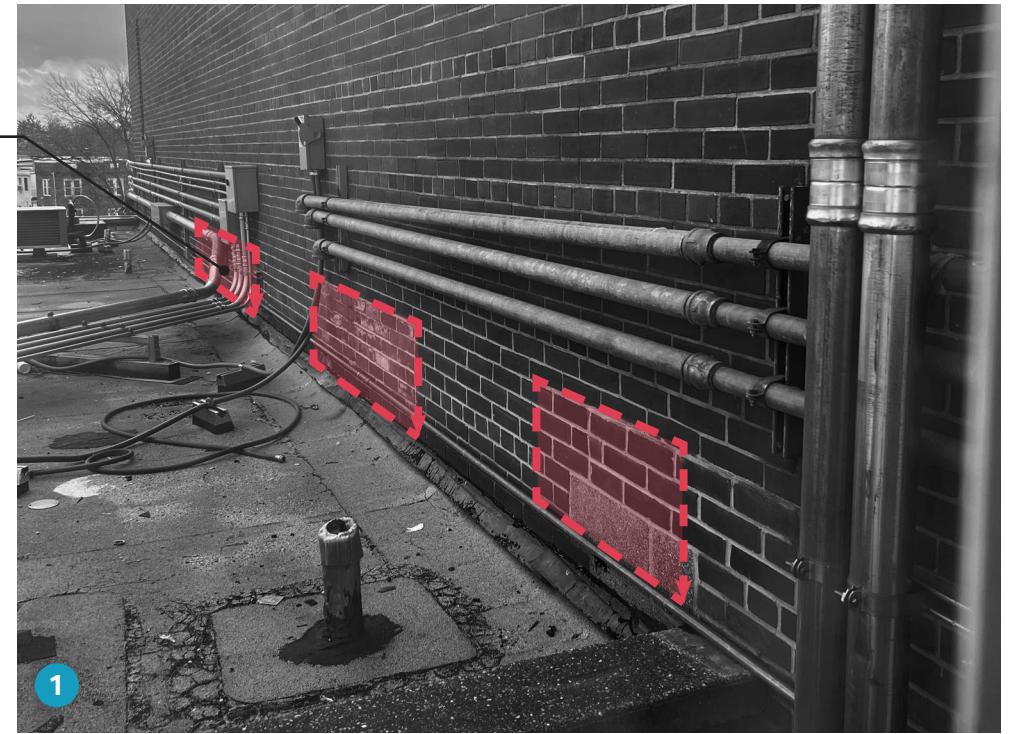
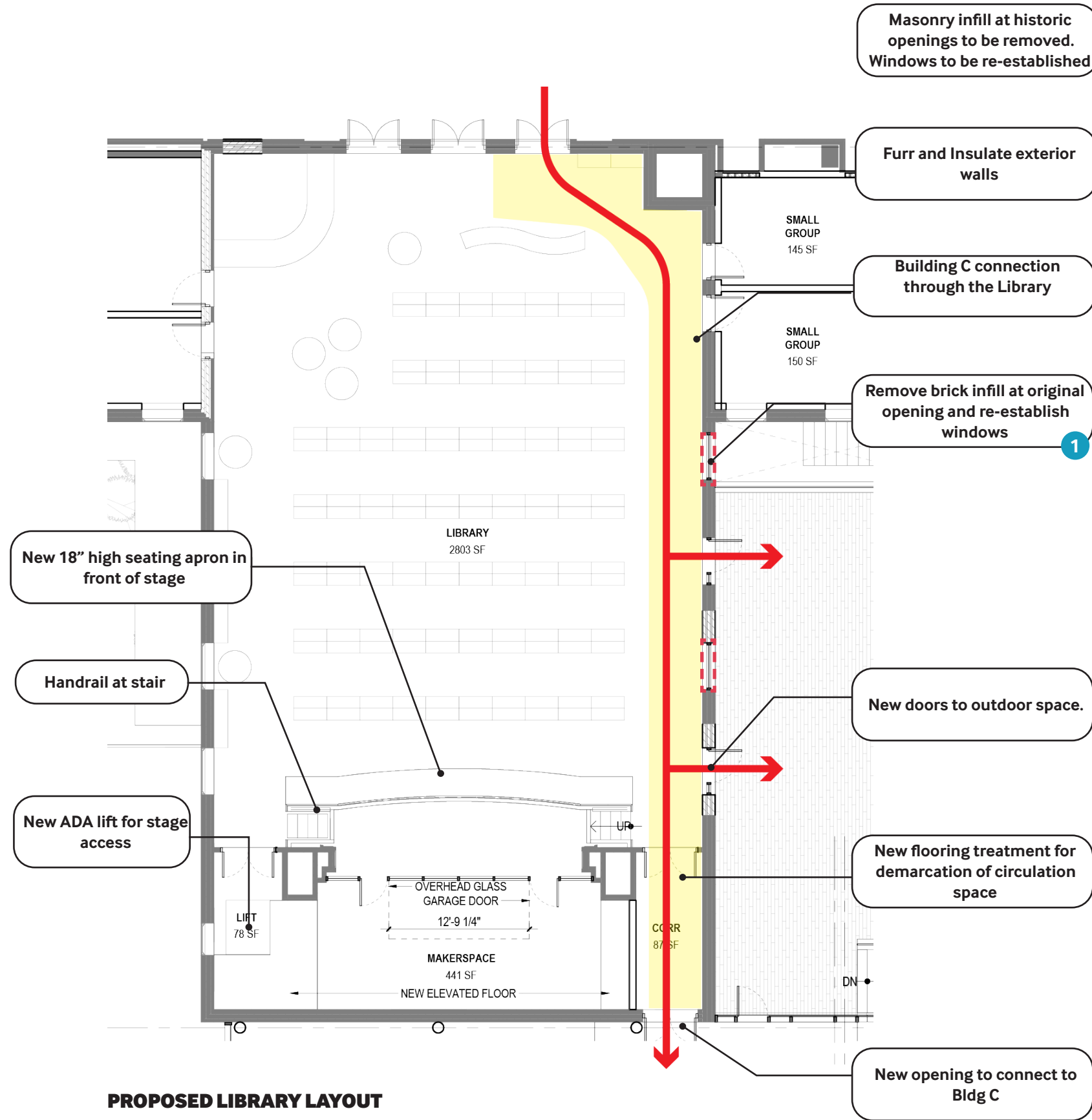


View of East Staircase from Level 2

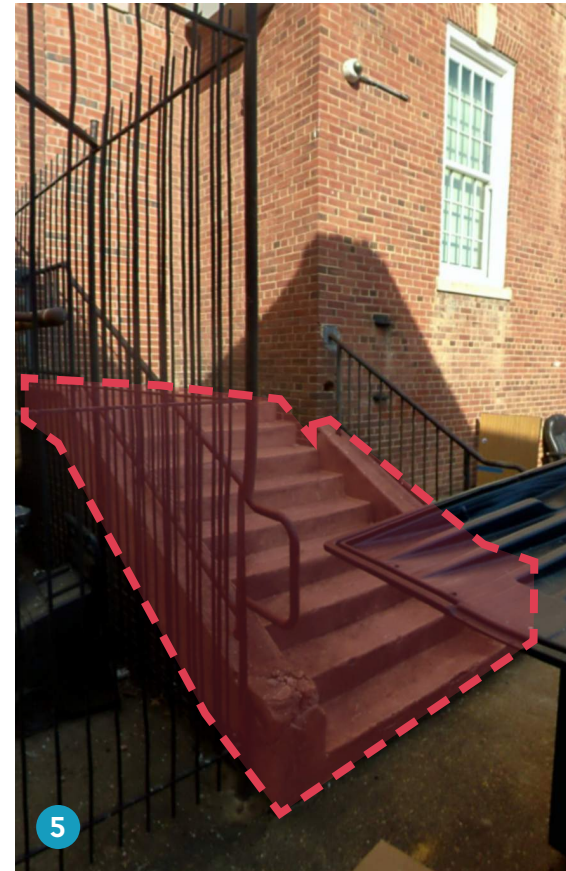
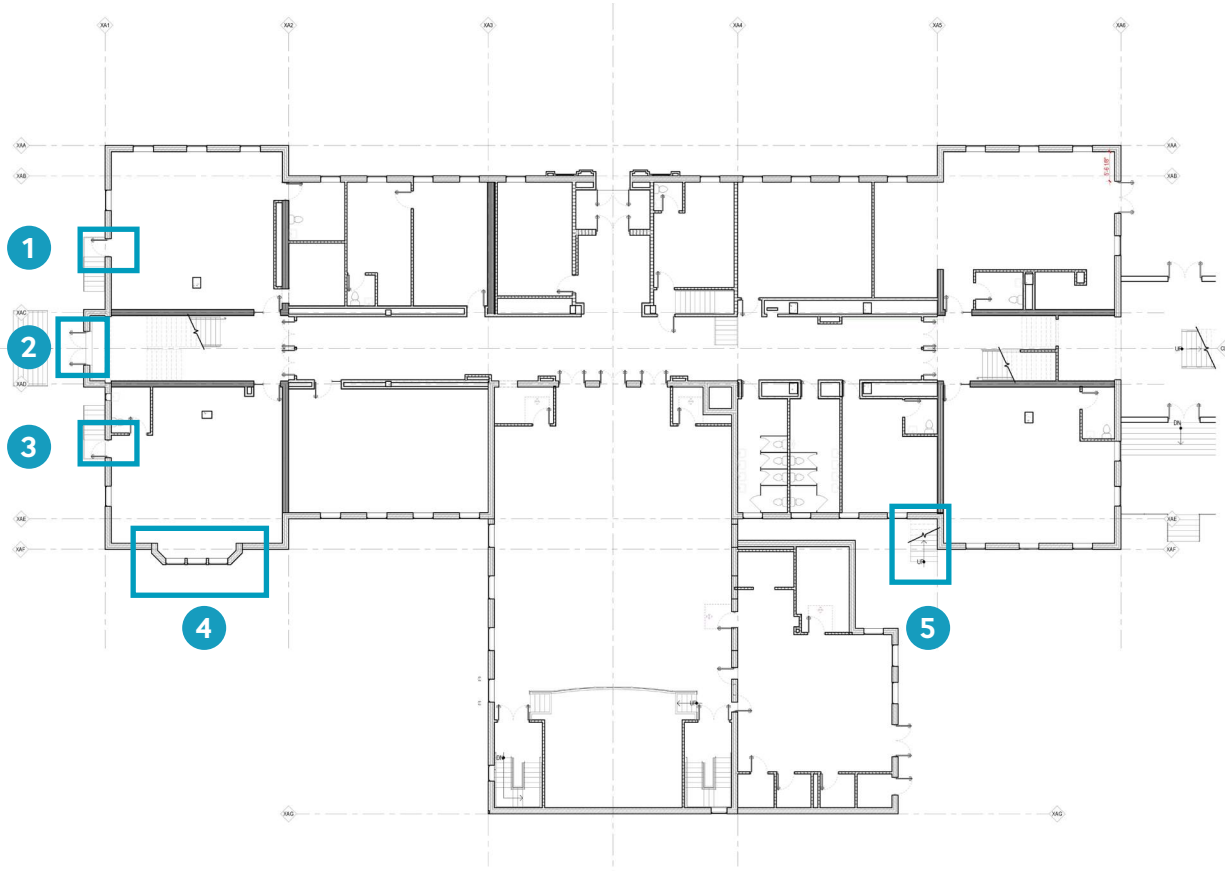


View of East Staircase from Level 3

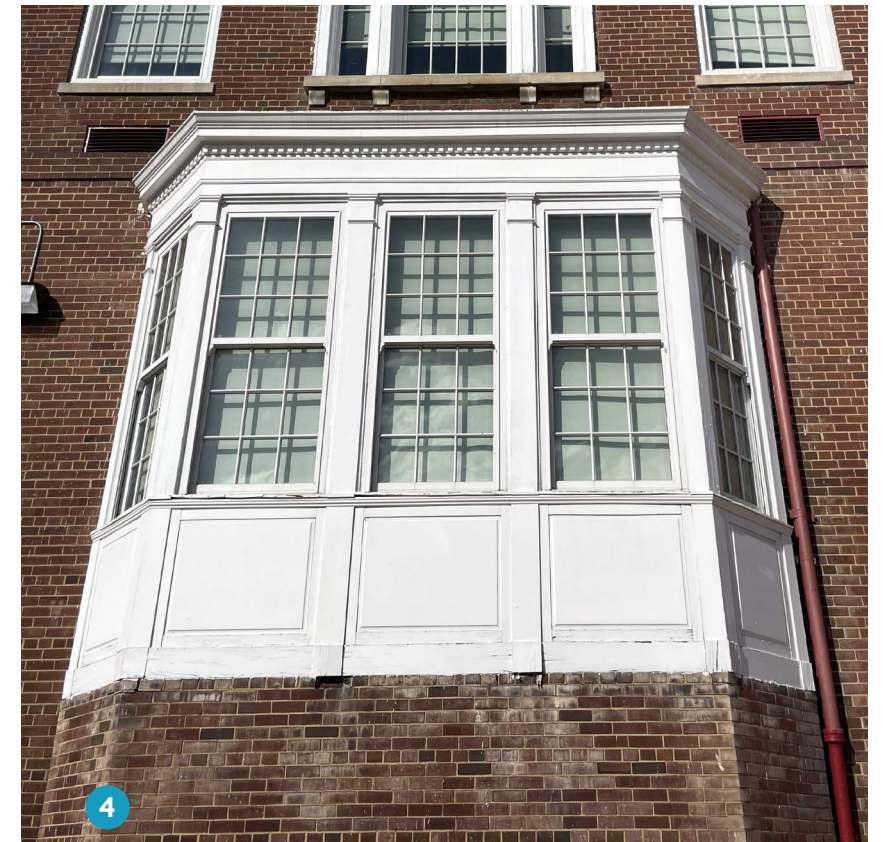
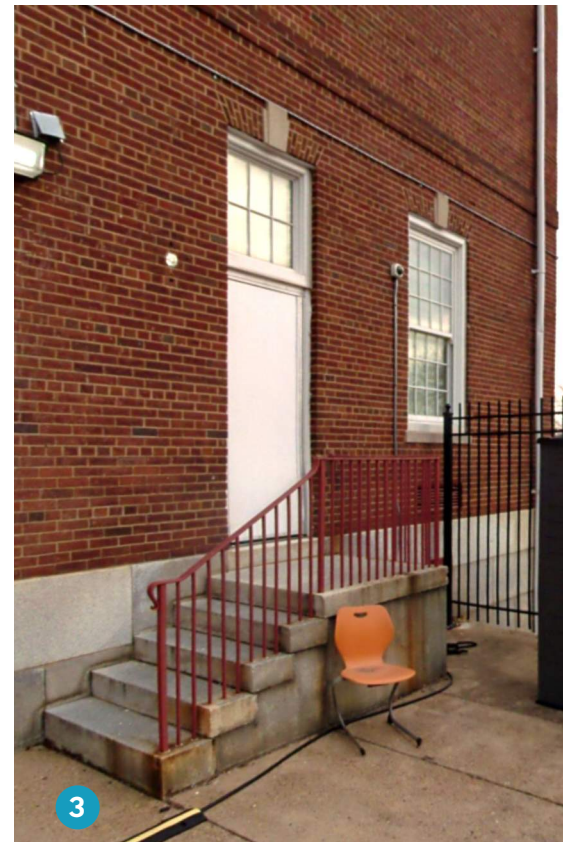
Proposed Design | Historic Building Approach



Wood floor to remain. Repair as required



- 1 Stone steps and railing to be cleaned and repaired. Doors to be replaced.
- 2 Stone steps and railing to be cleaned and repaired. Doors to be replaced.
- 3 Stone steps and railing to be cleaned and repaired. Doors to be replaced.
- 4 Bay window to be restored. Rotted wood to be replaced by composite material in kind. Brick to be repaired, cleaned, and repointed. Windows to remain.
- 5 Existing concrete steps proposed to be removed. Infilled door at top landing to remain as is.



V M D O DC