



# ***New Elementary School***

***Steel Valley School District***

January 25, 2024

***Board Meeting – Project Update***



***- Why are we here? -***

# Historic Timeline



## Study Process:

- Establish District goals for consolidation
- Reviewed enrollment
- Compared Franklin Primary additions and alterations vs. new building on same site
- Reviewed cost estimates of two design scenarios

## *District Goals and Objectives*

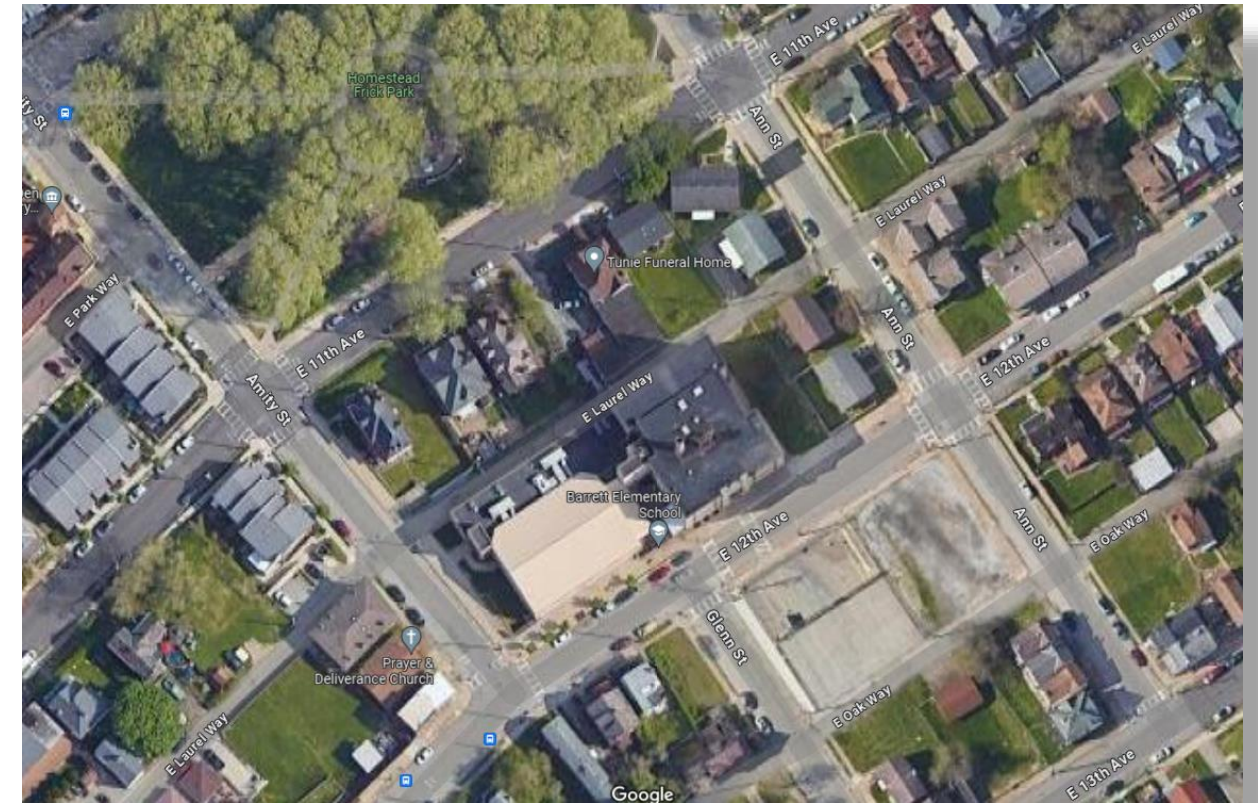
- Eliminate Educational, Facility & Staffing Inequities
- Implementation of more cultural diversity programs and curriculum
- The MS / HS campus has an inherent stronger police enforcement presence
- Provide 21<sup>st</sup> Century Learning Environments
- Improve Quality and Long-term Maintainability of Facilities (Warm, Safe & Dry)
- New building has potential to attract families back to the district

***- Previous Options Considered -***

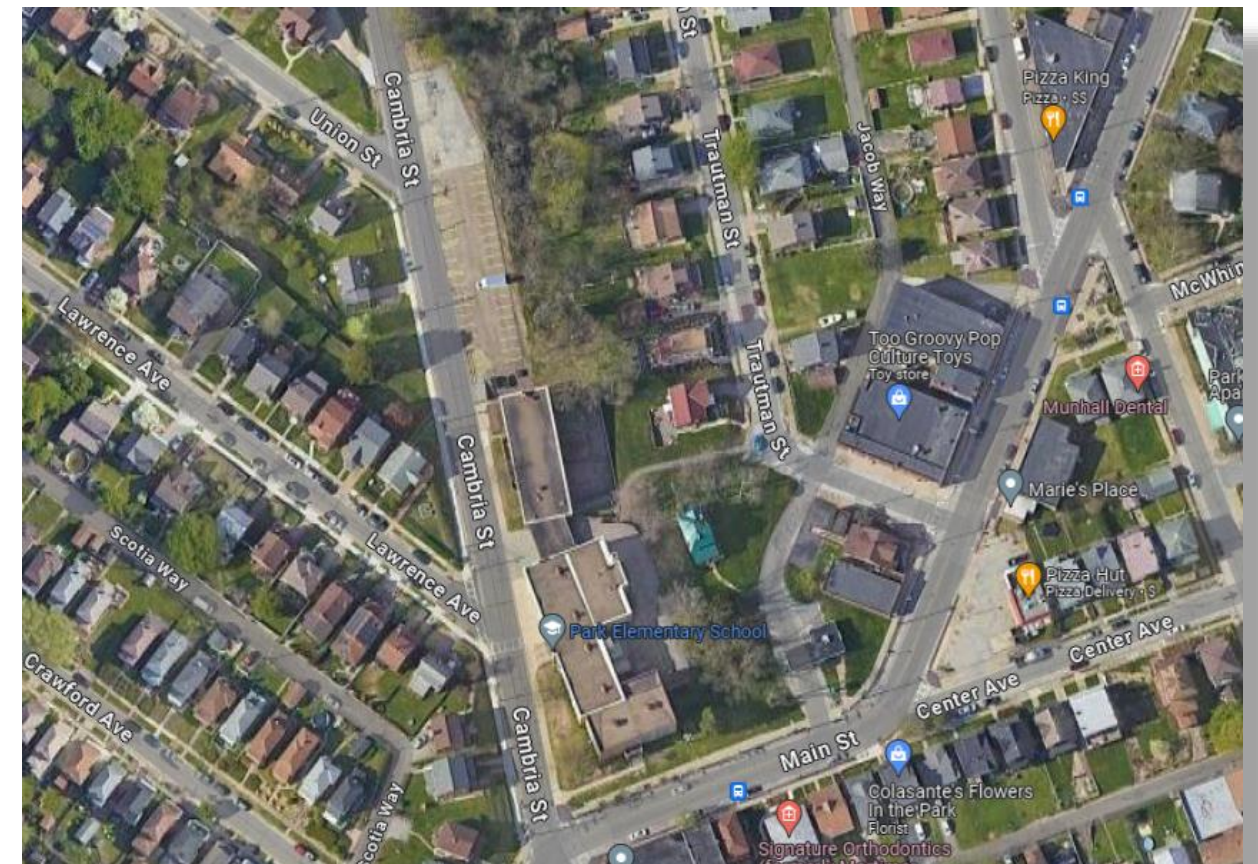
# Why Not Park or Barrett?

## EXTERIOR CHALLENGES:

- Building location and available site for expansion
- Site safety
- Site utilization for play areas and staff/visitor parking
- Accessibility – Site circulation, building entrances



**Barrett Elementary School**



**Park Elementary School**

# Why Not Park or Barrett?

## INTERIOR CHALLENGES:

- Building utilization and capacity
- Building program spaces and can they accommodate 21<sup>st</sup> century learning pedagogy
- Accessibility – Toilets, classrooms, doors, etc.
- Means of egress
- Safety and Security
- Exterior building envelope – Roof, walls, doors and windows
- Interior conditions – floors, walls, ceilings, etc.
- Mechanical, Plumbing and Electrical systems.



**Barrett Elementary School**

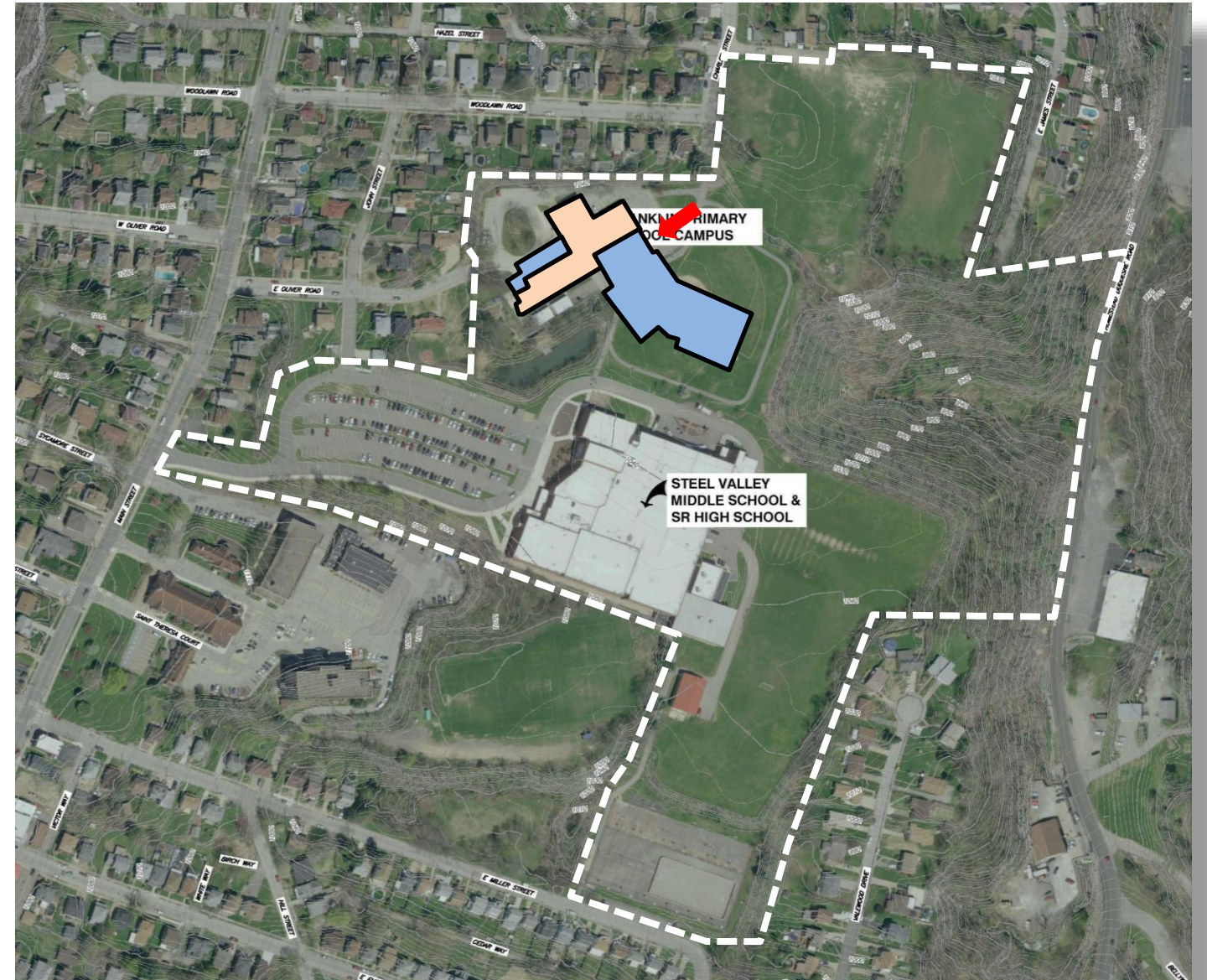


**Park Elementary School**

# Why Not Franklin Primary?

- Costs for additions and renovations very similar to brand new construction – Existing building would need “gutted” / start from scratch

*(Feasibility Study Update 12/06/21)*



**Franklin Primary Center**



***- New Building Planning -***

## ***Enrollment / Capacity***

- Desired class size:
  - Kindergarten = 18 students / classroom
  - Grades 1-2 = 21 students / classroom
  - Grades 3-5 = 23 students / classroom

Planning Enrollment = 629 + 10% = 692 students

Provided (6) homeroom classrooms per grade level allows for current enrollment and future return students

## Program Spaces

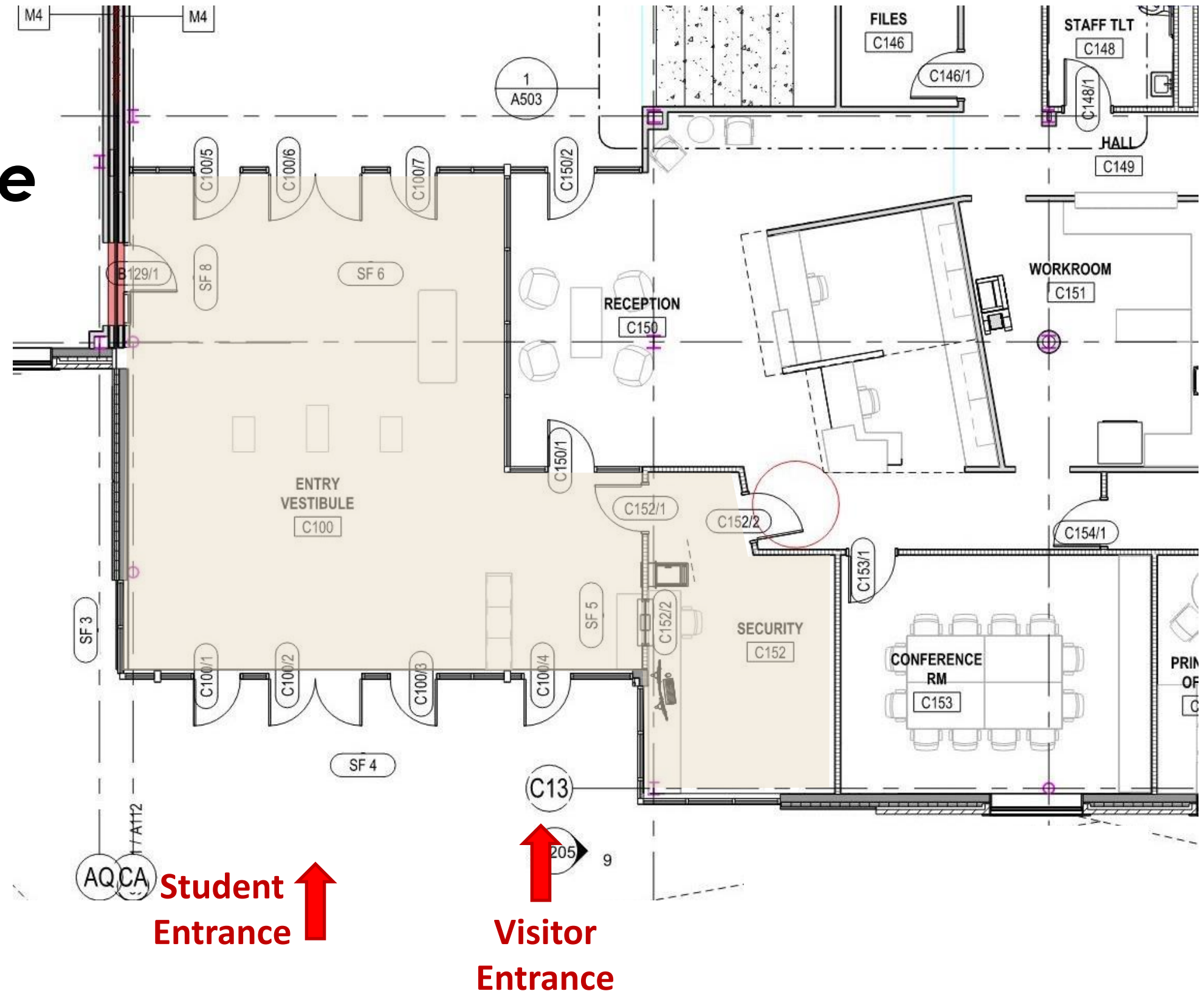
- Art
- Music
- Gym
- STREAM
- Media Center
- Special Education
  - Autistic Support / Life Skills, Emotional Support, Gifted, Speech, Sensory, Learning Support
- Title 1 Reading and Math
- Flexible activity space (small and large group learning)

## Other Considerations

- Safety and Security
  - Create safe school entrance for student arrival / dismissal
  - Create single point, controlled entrance for visitors
  - Create interior lockdown protocol for emergency scenarios
  - Building arrangement allows for multiple configurations of secure separation for off-hours activities

# Safe School Entrance

- Create safe school entrance for student arrival / dismissal
- Create single point, controlled entrance for visitors



## ENLARGED PLAN – ENTRY VESTIBULE

# Glazing Types



## GLAZING TYPES

- TIER 1 GLAZING (2 MIN BREACH)
- TIER 1 GLAZING (2 MIN BREACH) + ADDED SUN CONTROL
- TIER 3 GLAZING ("RIOT" GLASS / LEVEL 1 THRU 4 BALLISTIC CAPABILITIES)
- TIER 2 GLAZING (6 MIN BREACH)
- STANDARD INSULATED
- SUNCONTROL INSULATED

- Ground level windows to have a higher level of protection than standard insulated glazing
- Building entrance to have highest level of protection

## GLAZING TYPES – FIRST FLOOR

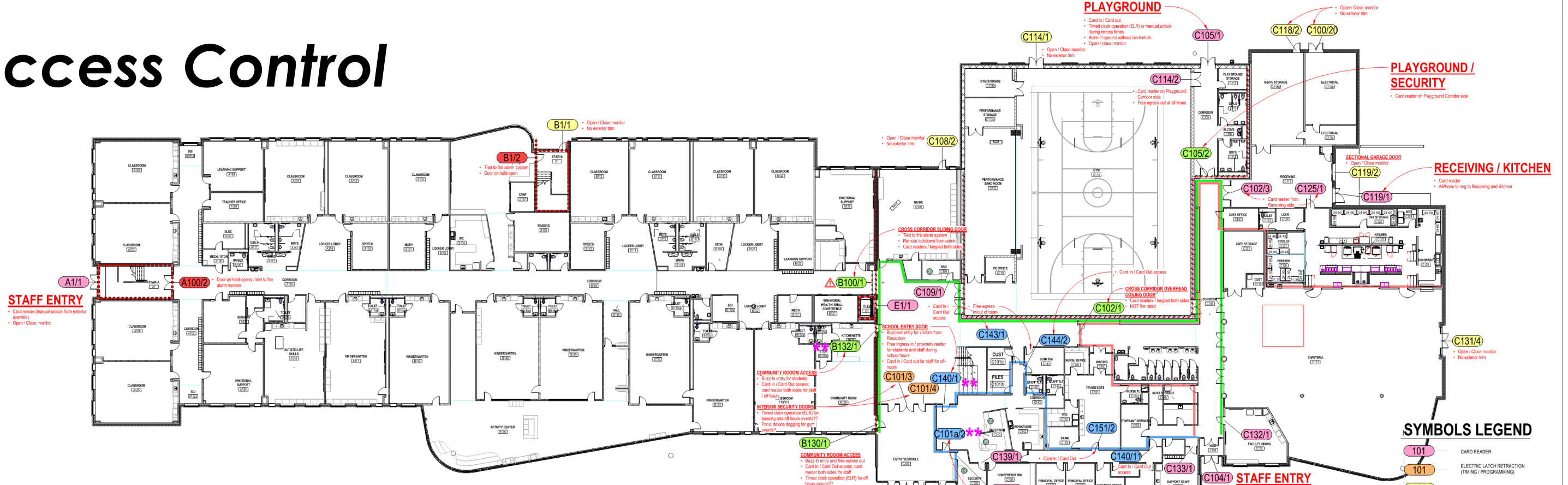
# Glazing Types



- Second floor windows - standard insulated glazing
- Outdoor learning porch windows to have a higher level of protection than standard insulated glazing

**GLAZING TYPES – SECOND FLOOR**

# Access Control



### SYMBOLS LEGEND

101	CARD READER
101	ELECTRIC LATCH RETRACTION (TIMING / PROGRAMMING)
101	MONITOR (OPEN / CLOSED)
101	SECURITY / AFTER HOURS
101	SECURITY / ADMINISTRATION
101	MAGNETIC HOLD OPEN (FIRE DOOR) - CLOSE ON ALARM
**	DOOR TIED TO REMOTE UNLOCK SYSTEM
△	DOOR TIED TO REMOTE SECURE LOCK SYSTEM
⊙	SECURE LOCK SYSTEM MUSH-ROOM BUTTON

### SECURE / OFF-HOURS ZONES

[Blue Box]	ADMINISTRATION
[Green Box]	ATHLETICS / OFF-HOURS / SECURITY
[Red Box]	CAFETERIA / OFF-HOURS / SECURITY

1 FIRST FLOOR - DOOR HARDWARE  
ST700 1/8" = 1'-0"

2 SECOND FLOOR - DOOR HARDWARE  
ST700 1/8" = 1'-0"

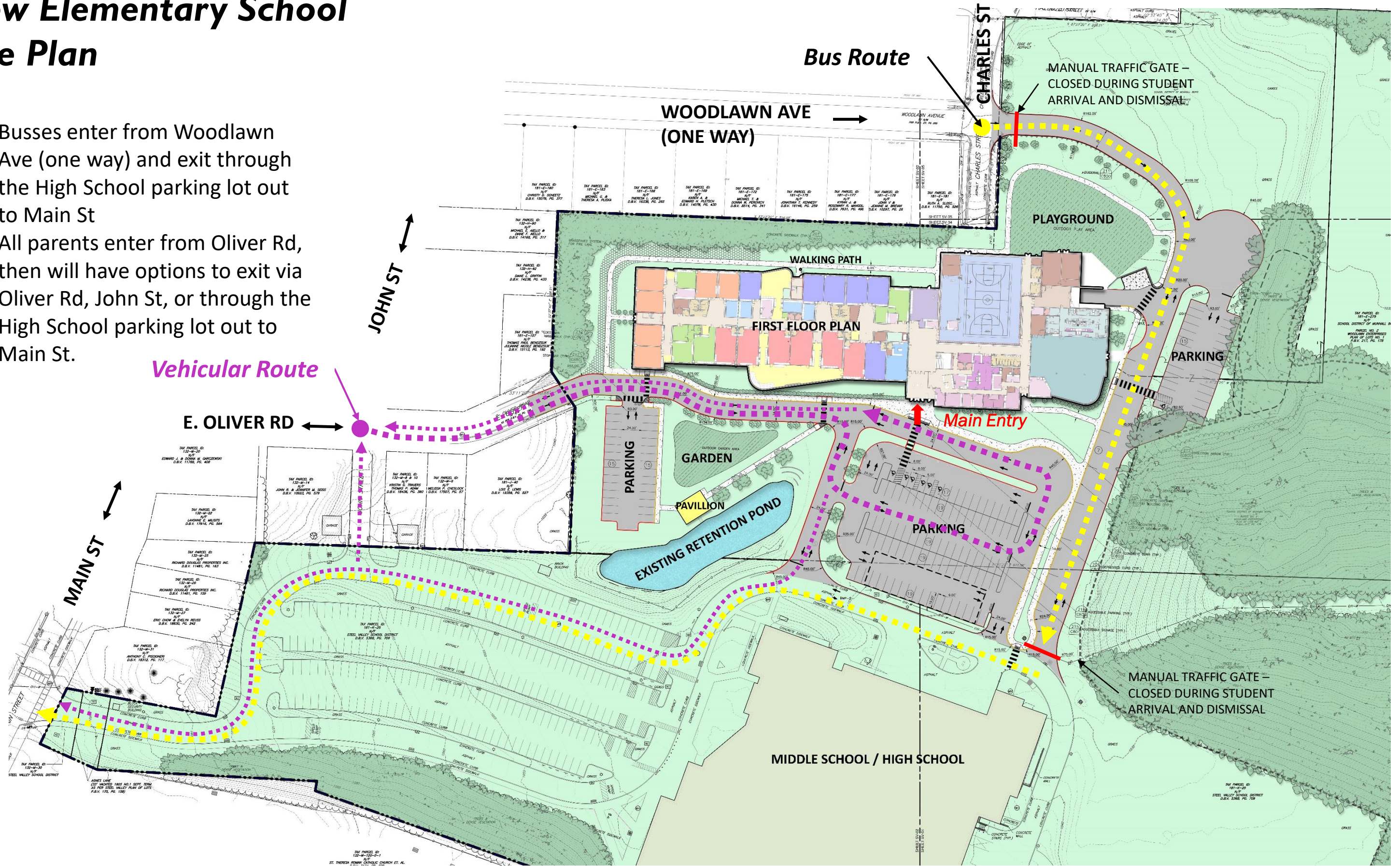


## *Other Considerations*

- Community Building
  - Full size gymnasium (doubles as a storm shelter)
  - Cafeteria use for large group events / meetings
  - Community Room for small group meetings

# New Elementary School Site Plan

- Busses enter from Woodlawn Ave (one way) and exit through the High School parking lot out to Main St
- All parents enter from Oliver Rd, then will have options to exit via Oliver Rd, John St, or through the High School parking lot out to Main St.



# Oliver Approach View



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Steel Valley School District

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# Main Entry View



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Steel Valley School District

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# Main Entry View



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**Steel Valley School District**

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# Overall Site



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# Neighborhood View



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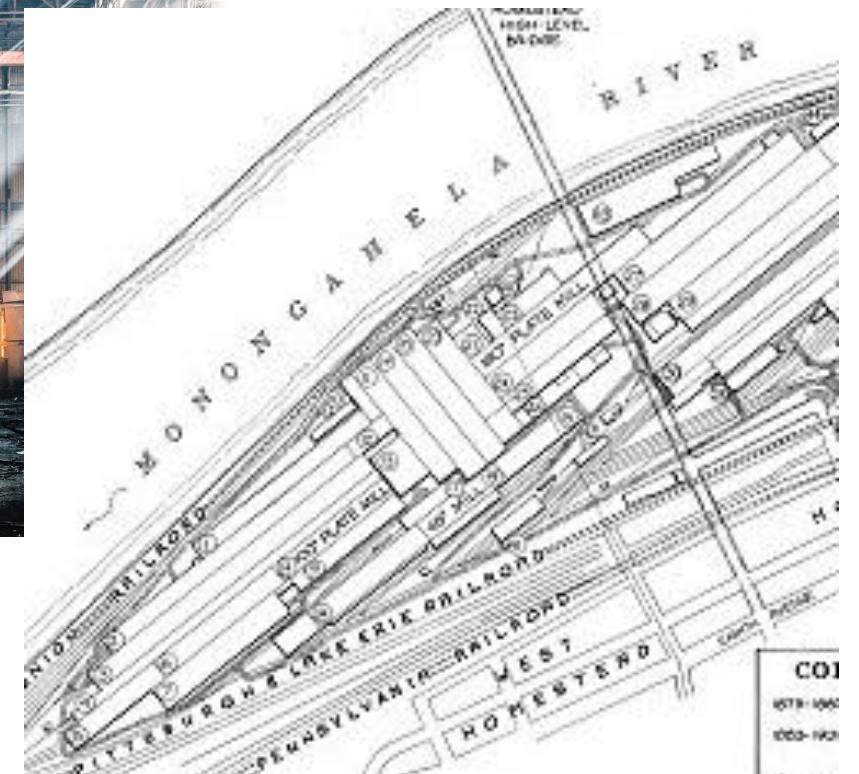
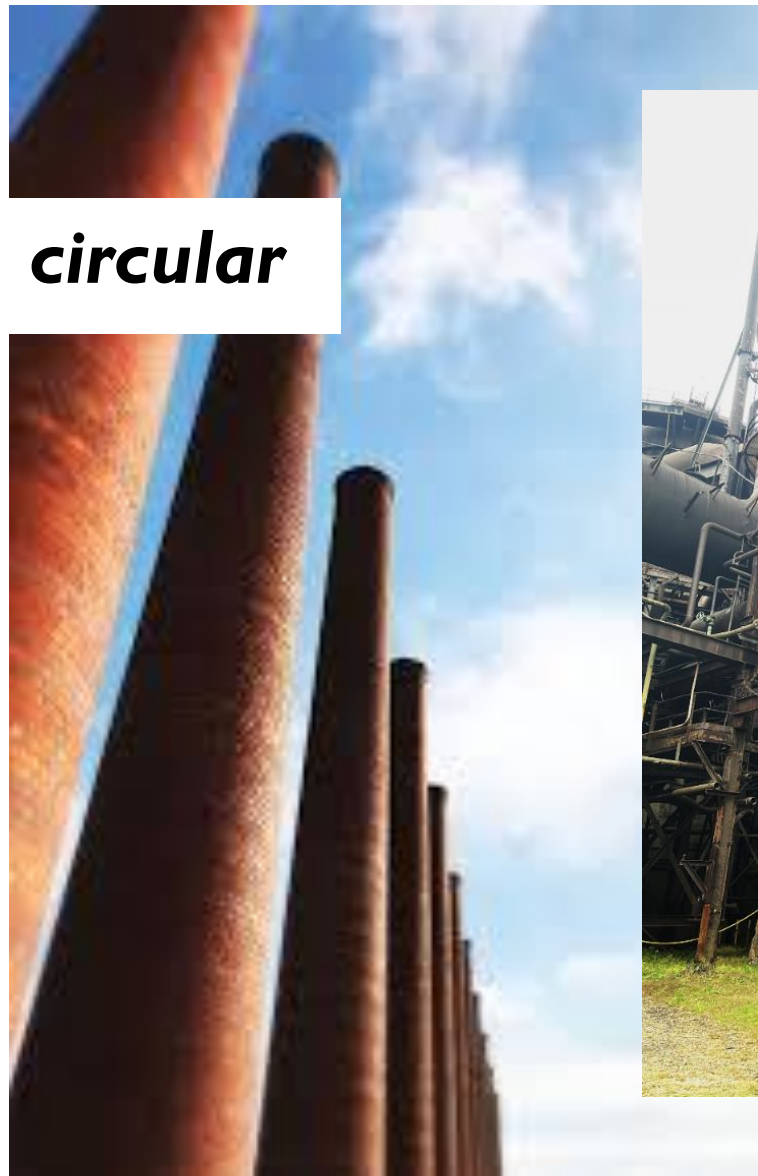
***- Interior Look and Feel -***



# Design Inspiration...

*Industrial Grit: Letting the history of the Steel Valley community be a unifying factor through its historic architecture, enduring industrial work ethic, and artistic culture.*

## SHAPE TYPES



# Design Inspiration...

*Industrial Grit: Letting the history of the Steel Valley community be a unifying factor through its historic architecture, enduring industrial work ethic, and artistic culture.*

## TEXTURE / MATERIAL

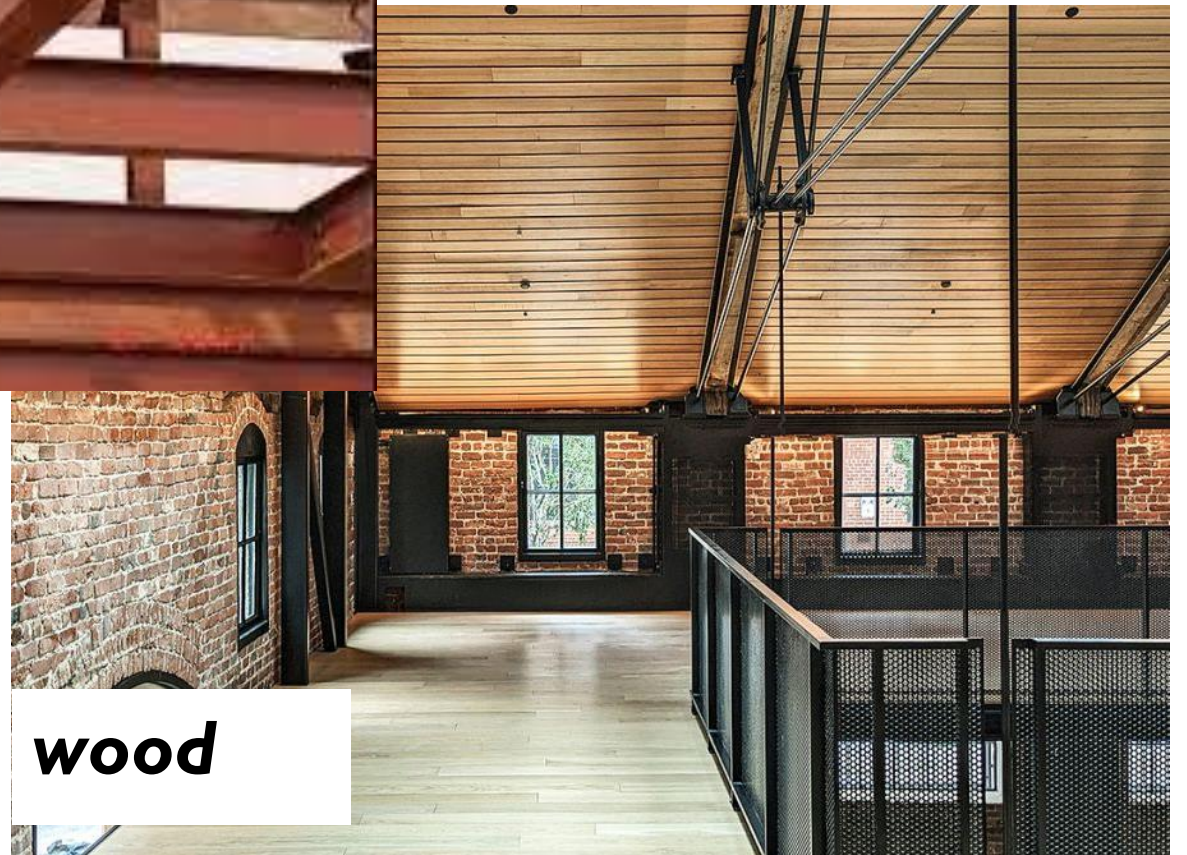
**brick**



**steel / metal**



**wood**



# Design Inspiration...

*Industrial Grit: Letting the history of the Steel Valley community be a unifying factor through its historic architecture, enduring industrial work ethic, and artistic culture.*

## PATTERNS



**fractal**

**pixelation**

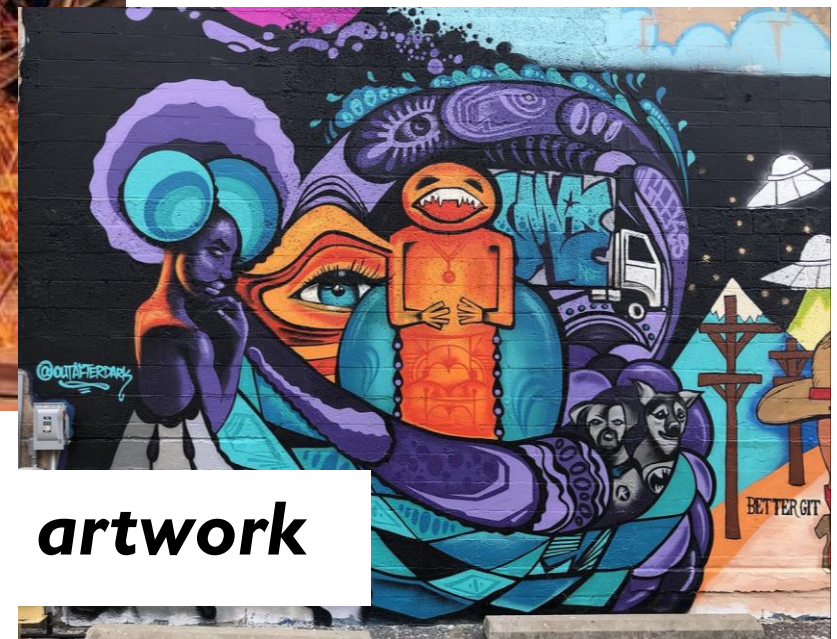
## COLOR



**furnace**



**nature**



**artwork**

# Academic Wing

# Public Wing



**OVERALL FIRST FLOOR UTILIZATION PLAN**

Academic Wing

Public Wing



**OVERALL SECOND FLOOR UTILIZATION PLAN**

- First Floor – Grades K, 1, And 2 -**
- Second Floor – Grades 3, 4, And 5 -**

Academic Wing

Public Wing

First or Second Grade  
(6 rooms per grade)

Music

Play Area

Gym

Cafeteria

Admin / Nurse

Security door / off-hours door

Student  
Restrooms

Kindergarten  
(6 rooms)

**First Floor Plan**

Academic Wing

Public Wing

Third, Fourth, or Fifth Grades  
(6 rooms per grade)

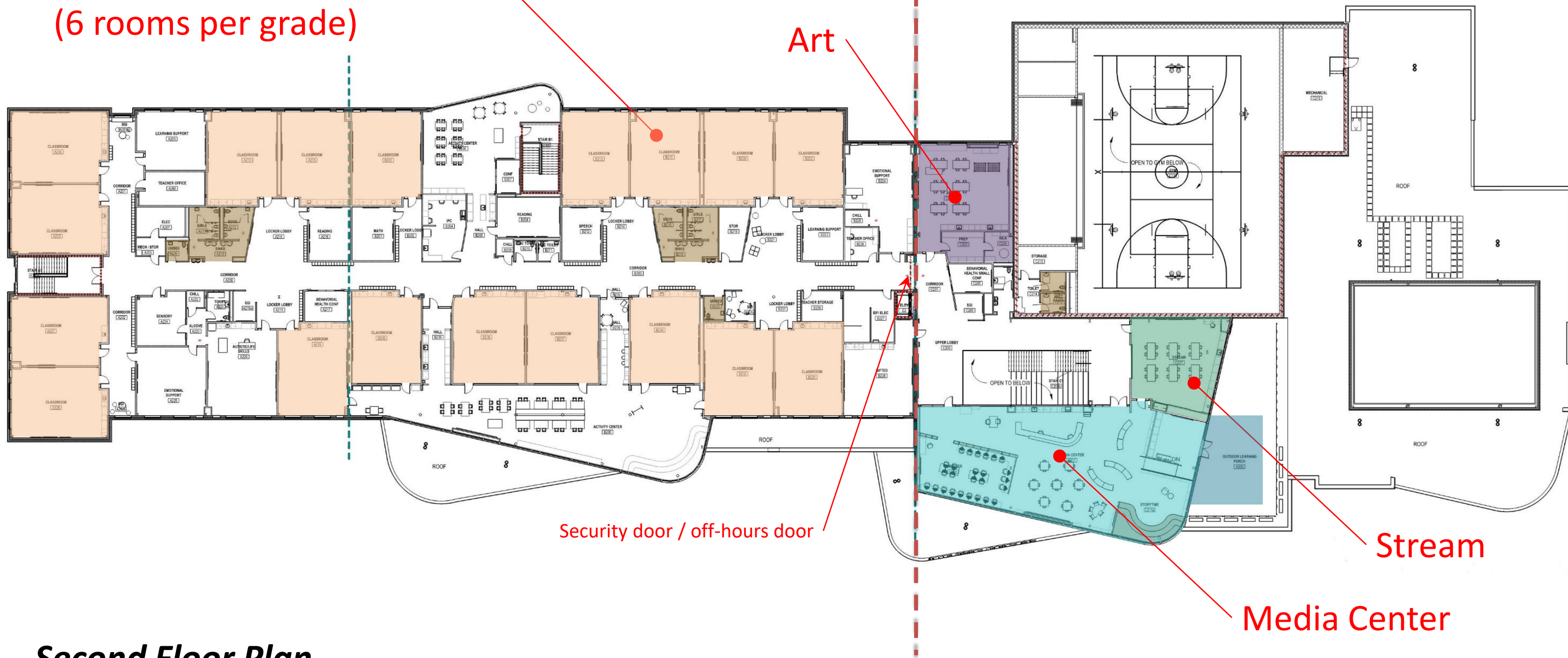
Art

Security door / off-hours door

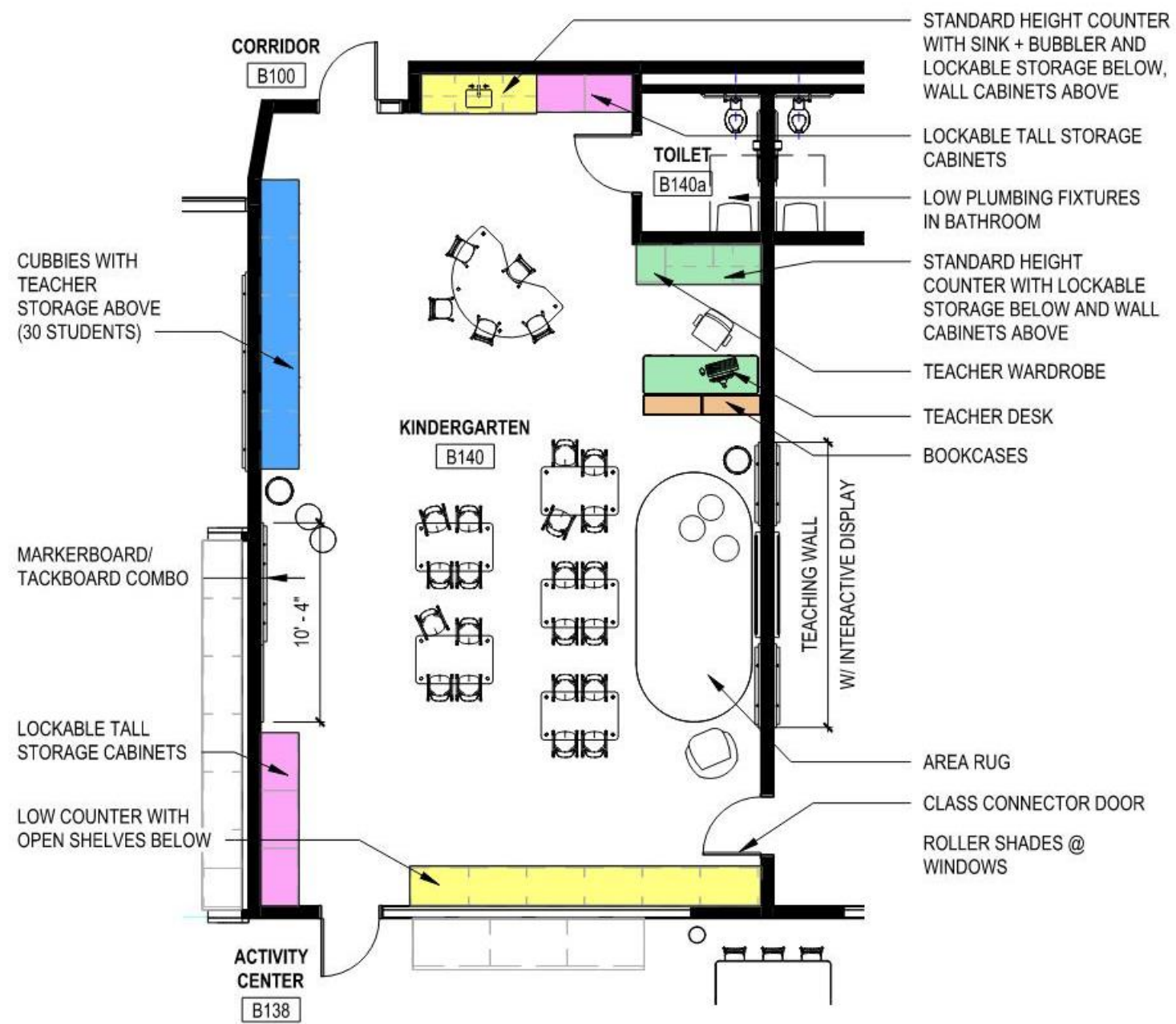
Stream

Media Center

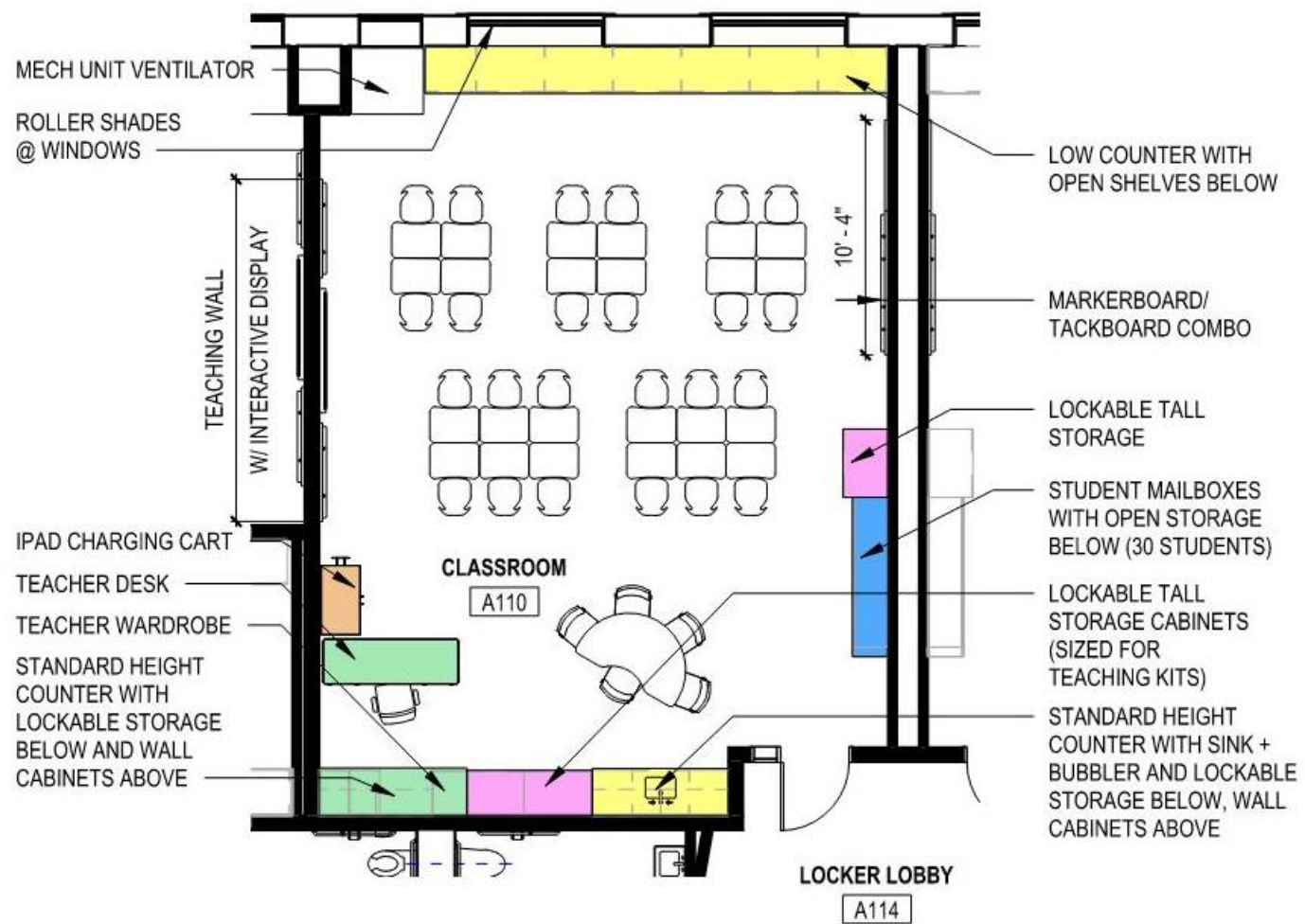
**Second Floor Plan**



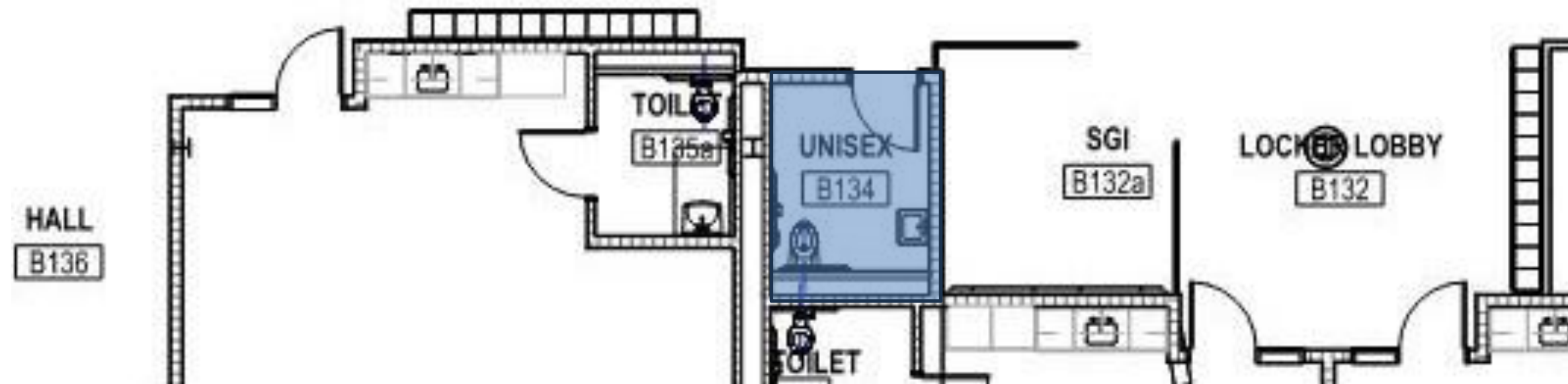
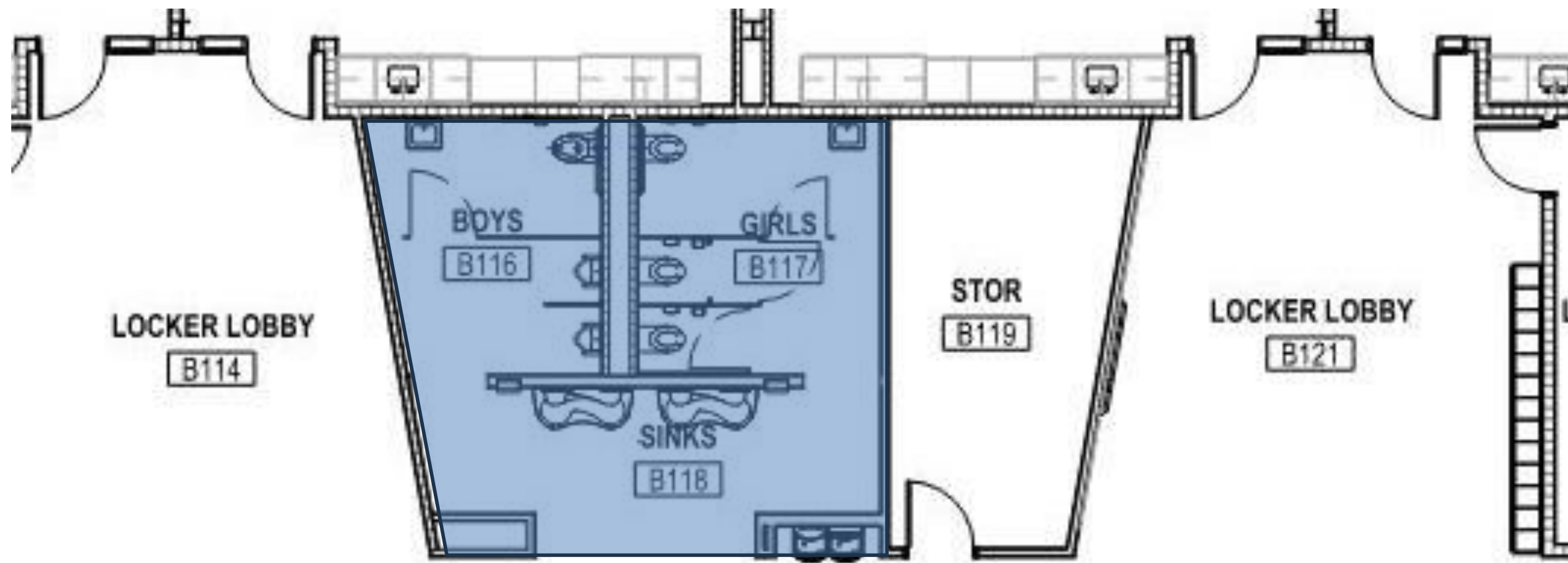




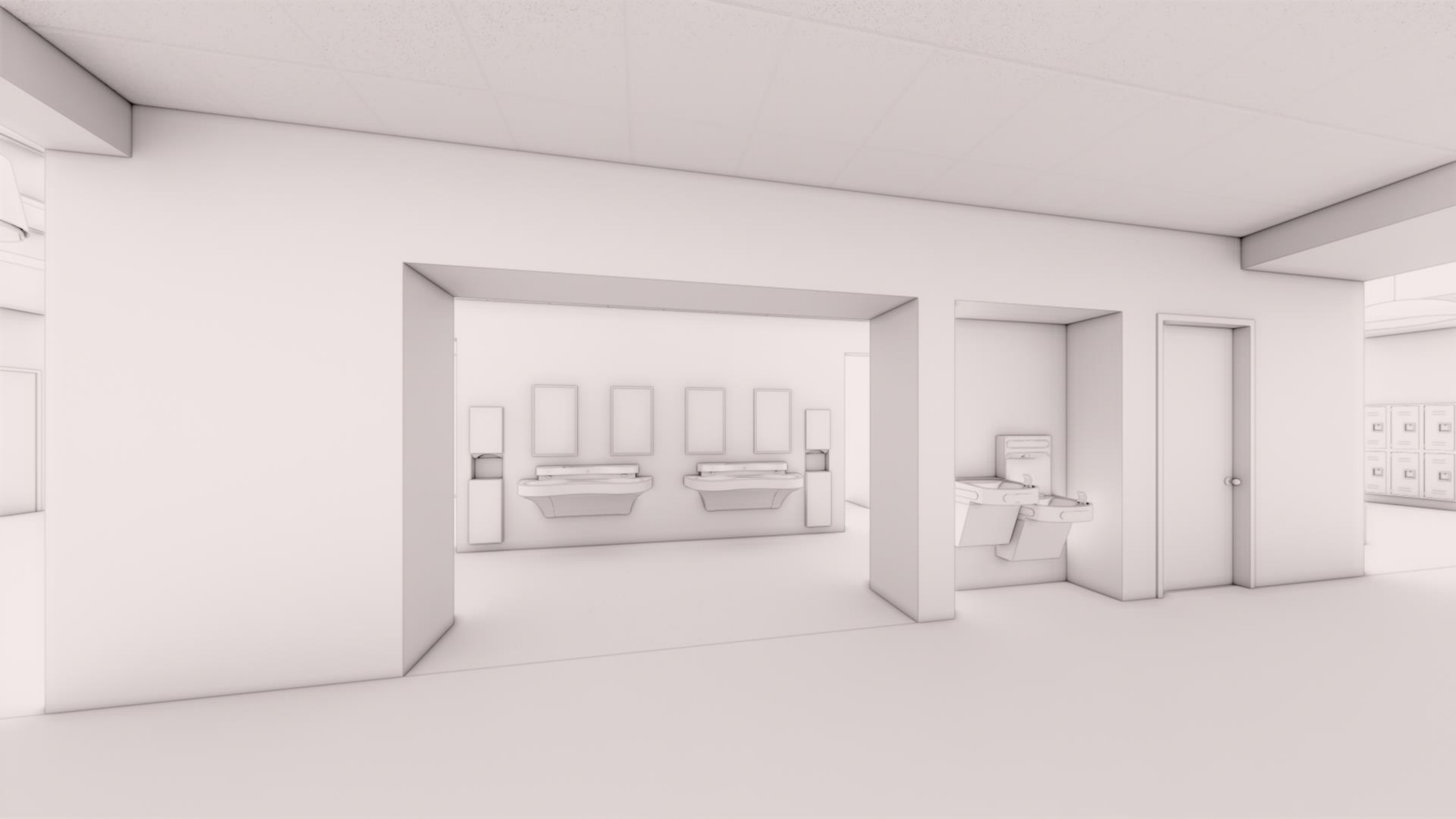
## Typical Kindergarten Classroom



## Typical Grade 1 thru 5 Classroom



**ENLARGED PLAN – CLASSROOM WING STUDENT RESTROOMS**



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***- Special Education Classrooms -***

Learning Support Teacher Space –  
Enough For 3-4 Teachers Total Per  
Floor  
(Pink)



**FIRST**  
**FLOOR PLAN**

Special Education  
Classrooms  
(Green)

Learning Support Space  
(Yellow)

Title 1 Classroom, Speech, Math  
and Reading support rooms  
(Blue)

**SECOND**  
**FLOOR PLAN**

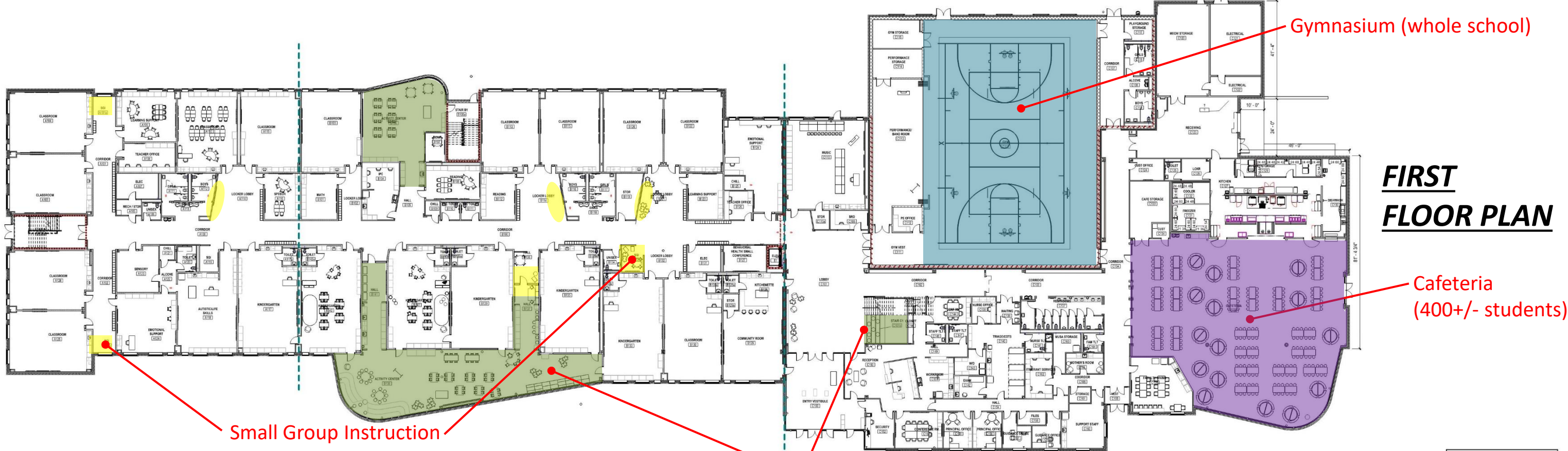


**- SPECIAL EDUCATION AND TITLE 1 SPACES -**

***- Small Group Instruction -***

***- Large Group Instruction -***





Gymnasium (whole school)

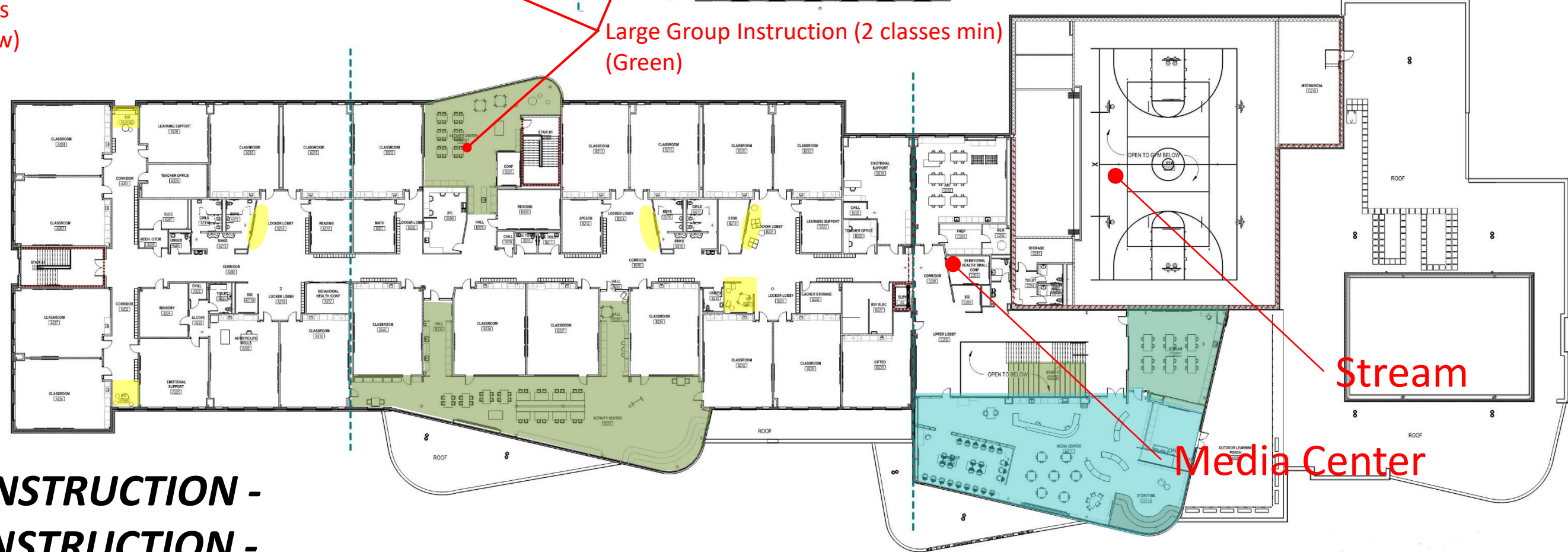
**FIRST FLOOR PLAN**

Cafeteria (400+/- students)

Small Group Instruction Spaces (Yellow)

Large Group Instruction (2 classes min) (Green)

**SECOND FLOOR PLAN**



Stream

Media Center

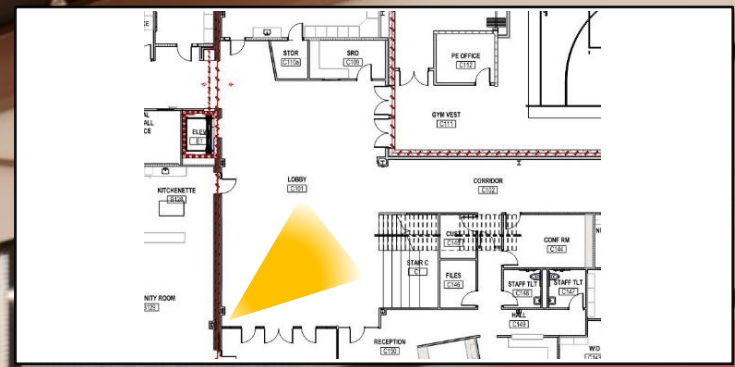
**- SMALL GROUP INSTRUCTION -**  
**- LARGE GROUP INSTRUCTION -**

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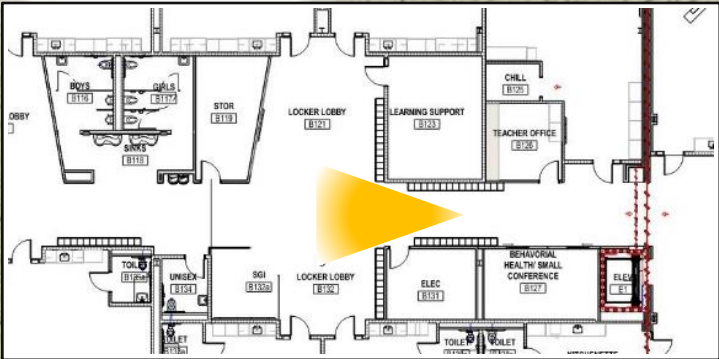
# Lobby View 1



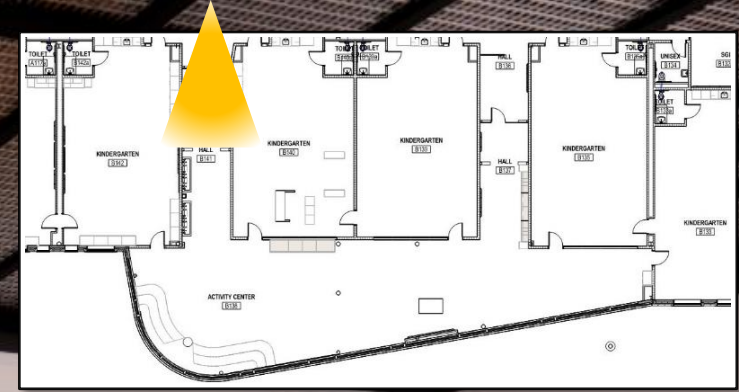
# Lobby View 2



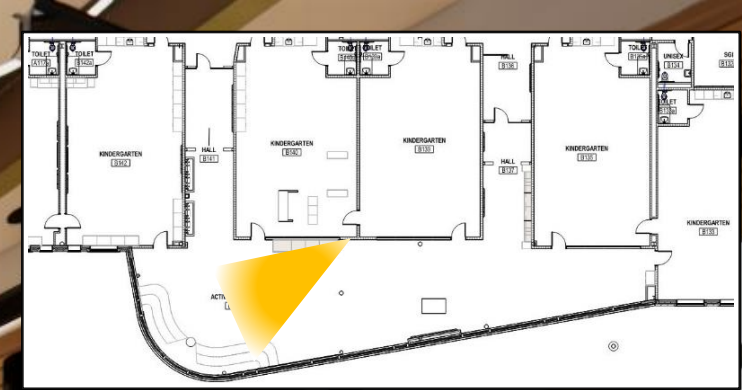
# Corridor Instructional Spaces



# Activity Center View I



# Activity Center View 2



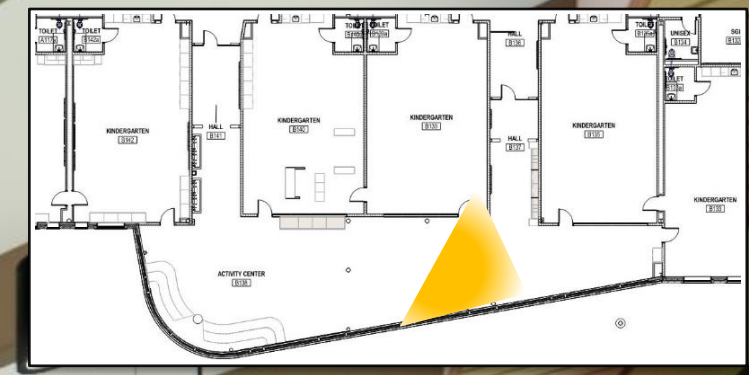
# Activity Center View 3



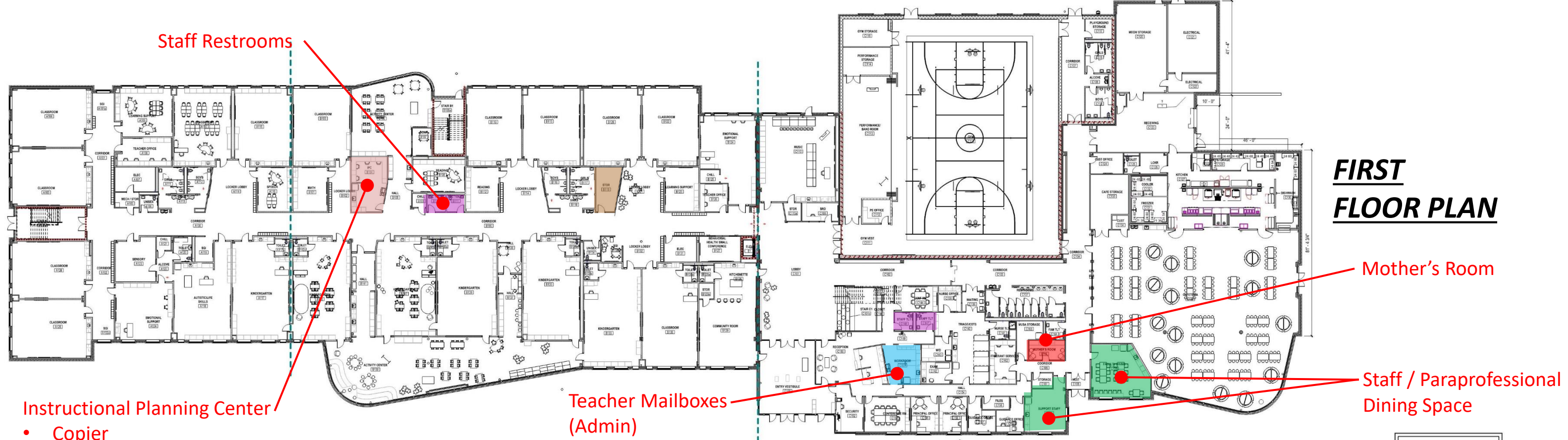




# Activity Center View 5



***- Teacher Support Space -***



**FIRST FLOOR PLAN**

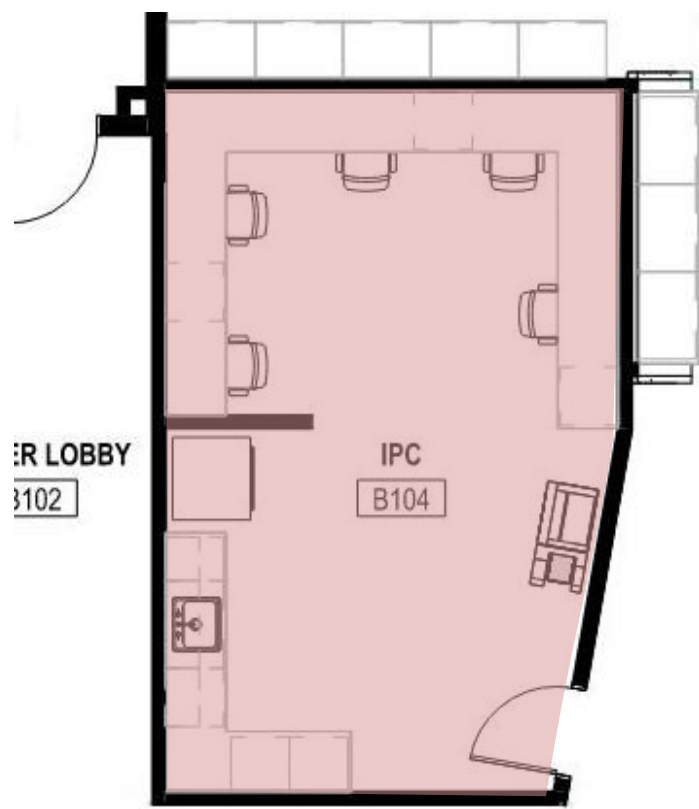
- Instructional Planning Center**
- Copier
  - Kitchenette
  - Touch Down space



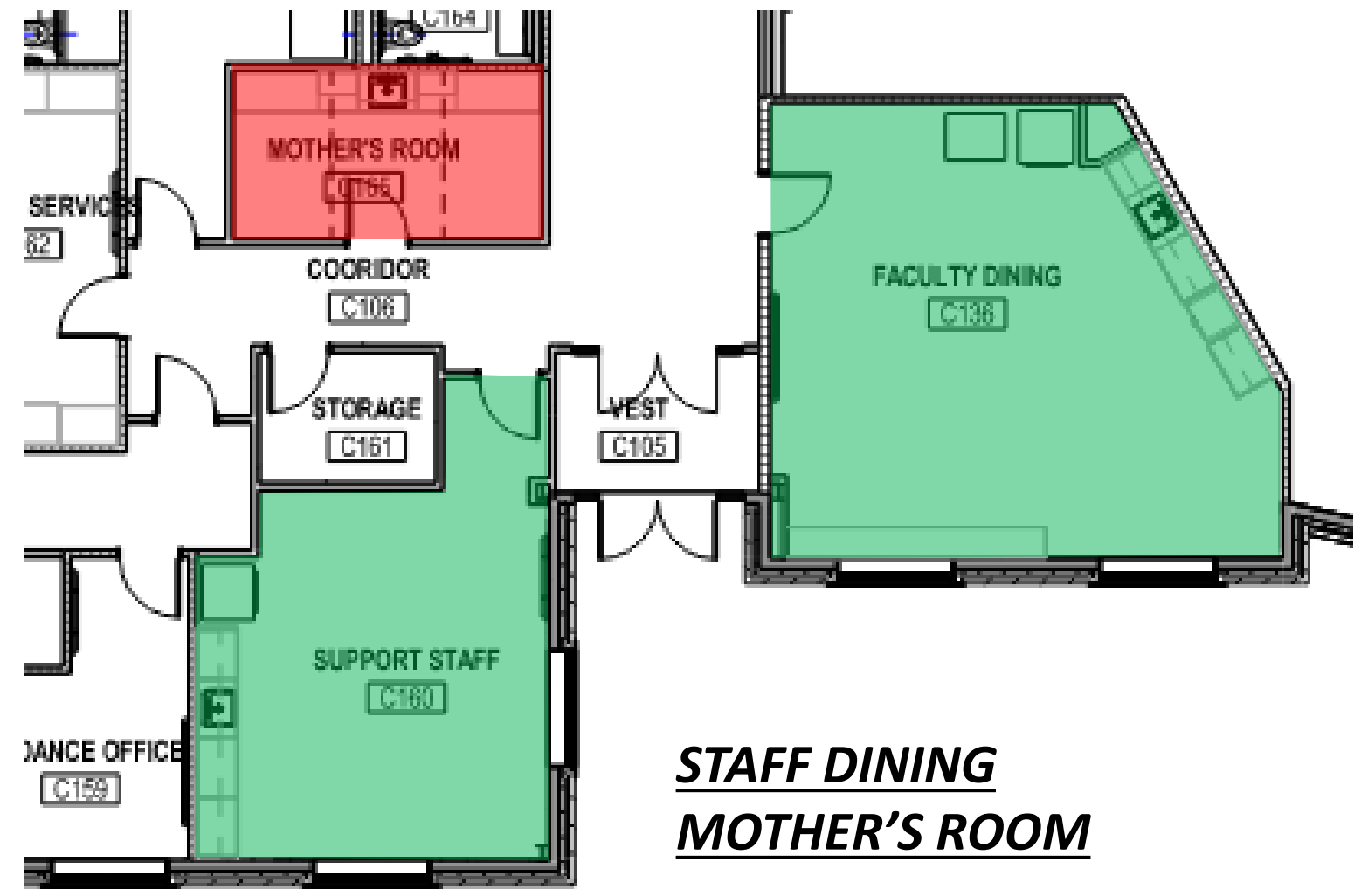
**SECOND FLOOR PLAN**

**Storage Space (Brown)**

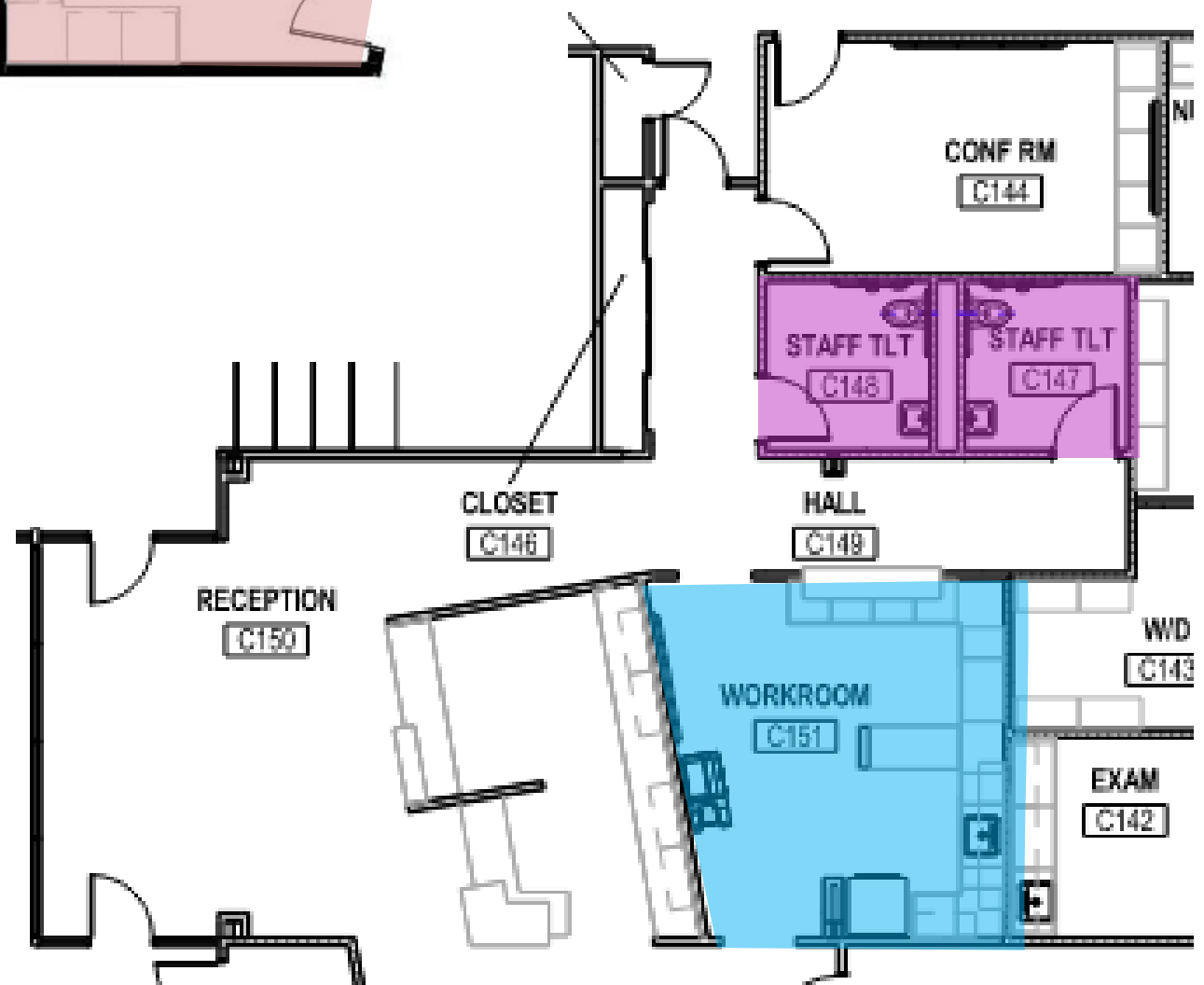
**- TEACHER SUPPORT SPACE -**



**INSTRUCTIONAL  
PLANNING CENTER**

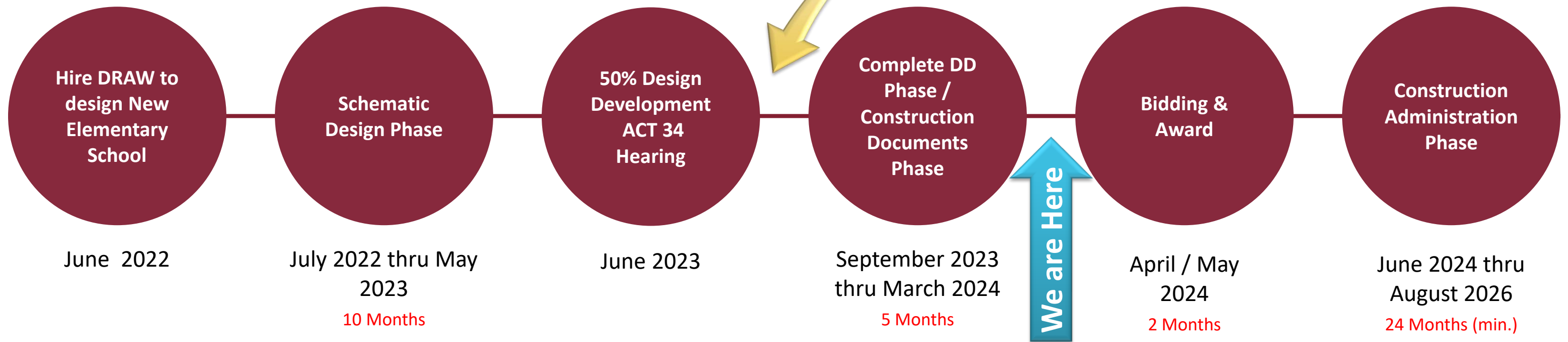


**STAFF DINING  
MOTHER'S ROOM**



**ENLARGED PLAN –  
ADMIN WORKROOM**

# Project Timeline



## Due Diligence / Approval Process:

- Performed Site Survey and Geotechnical review of subsurface conditions
- Performed hazardous material inspection of Franklin Primary
- Received approval for NPDES permit (stormwater management)
- Submitted for upgraded utility services (water, sewage, electric)
- Submitted for Munhall planning approval (awaiting sanitary line scoping for final approval)
- Teacher Building tours was successful
- Attended first Community Advisory Board Meeting

*FUTURE: Submit for building plan (code) approval / building permit*

## ***Next Steps...***

- Solicit feedback from Community Advisory Board
- Finalize outstanding design elements
- Update construction cost estimate
- Submit for building permit / plan approval
  
- Out to Bid April 9, 2024

***Thank You!***