Saydel Community School District

Cornell Elementary School

Schematic Design Booklet

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Project Team

SAYDEL COMMUNITY SCHOOL DISTRICT

School Board
Jullie Jennings, Board President
Jennifer Van Houten, Board Vice-President
Gary Christensen II, Board Member
Doug Kayser, Board Member
Roland Kouski, Jr., Board Member
Michael Mortensen, Board Member
Chad Vitiritto, Board Member
Beth Vitiritto, Board Secretary
Patricia Townsend, Board Treasurer

Administrative
Todd Martin, Superintendent
Patricia Townsend, Director of Business Services
Brian Vaughan, Cornell Elementary School Principal
Kelly Bell, Supervisor Building Maintenance
Donald Frisby, Supervisor Preventative Maintenance

DESIGN TEAM & CONSTRUCTION MANAGEMENT TEAM

HAILA Architecture | Structure | Planning
Leila Ammar, AIA, MBA, NCARB, LEED AP BD+C Project Manager
Steve Peterson, EIT Structural Designer

Snyder & Associates
Clay Schneckloth, PLA

Twin Rivers Engineering Consultants
Dave Losen, PE
Dennis Bennett, PE

Terracon

Rapids Foodservice Contract and Design
Eric Schmitt
Luke Green

Estes Construction
Ryan Ellsworth, AIA, LEED AP
Ryan Haaland
Mike Carroll

Executive Summary

THE PURPOSE OF THIS BOOK

This Schematic Design Book endeavors to clearly identify the scope and relationship of components of the 2021 Saydel Cornell Elementary School additions and renovations for approval by the District. Designs are conceptual in nature and investigate options including architectural, structural, mechanical, and electrical concepts.

The Schematic Design Book consists of *Design Narratives* as well as *Room Data Sheets* which identify the functional criteria for each space of the project.

OVERARCHING GOALS

As highlighted during the master planning & bond referendum process, the priorities of the Saydel Community School District have been to:

- Create new and adapt existing facilities to meet the needs of modern teaching methods and curriculum
- Improve culture and image of the District
- Enhance the Student Experience & Increase Student Achievement
- Create a commonlook/aesthetic across district schools
- Meet the needs of ALL students
- Create collaborative spaces
- Create flexibility in the classrooms
- Utilize and adapt existing facilities in a cost effective manner
- Student-Centered Design at the forefront of all project

SCOPE OF THE PROJECT

The sub-projects included in this project are:

1. Four classroom and activity space addition for the third grade
2. Kindergarten, First and Second grade classroom renovations
3. Special Needs, Technology and flexible classroom renovations
4. Cafeteria Renovation
5. Media Center Renovation

Executive Summary

CONSTRUCTION MANAGEMENT APPROACH

The project will utilize a Construction Manager as Advisor (CMa) approach to construction. The CMa for the project will be Estes Construction. The project(s) will be bid as multiple prime bid packages, as opposed to the traditional Design-Bid-Build approach.

SCHEDULE

Design of the project will continue through the Summer and Fall of 2020. Early bid packages may bid as early as Late Fall/Early Winter 2020 with all construction targeted to be completed by August 2022 in time for the fall semester.

BUDGET & COST ESTIMATES

The total cost opinion for Cornell Elementary School is $5,441,221 to $5,936,871.

The cost opinion includes the following:

Anticipated Bid Totals Including General Conditions and Alternates		$4,430,000 to $4,870,000
Recommended Construction Contingency		$221,500 to $243,500
	Construction Subtotal	**$4,660,000 to $5,120,000**
Professional Design Fees		$420,071
Construction Manager Services		$128,150 to $140,800
FFE Budget		$233,000 to $256,000
	Project Soft Cost Subtotal	**$781,221 to $816,871**

The cost opinion range exceeds the budget. Therefore, $500,000 in construction alternates will be targeted for relief on bid day, if necessary. Conversely, unit costs for classroom renovations will be included should bids come in under budget and the district decides to spend all of the bond dollars.

Milestone Dates

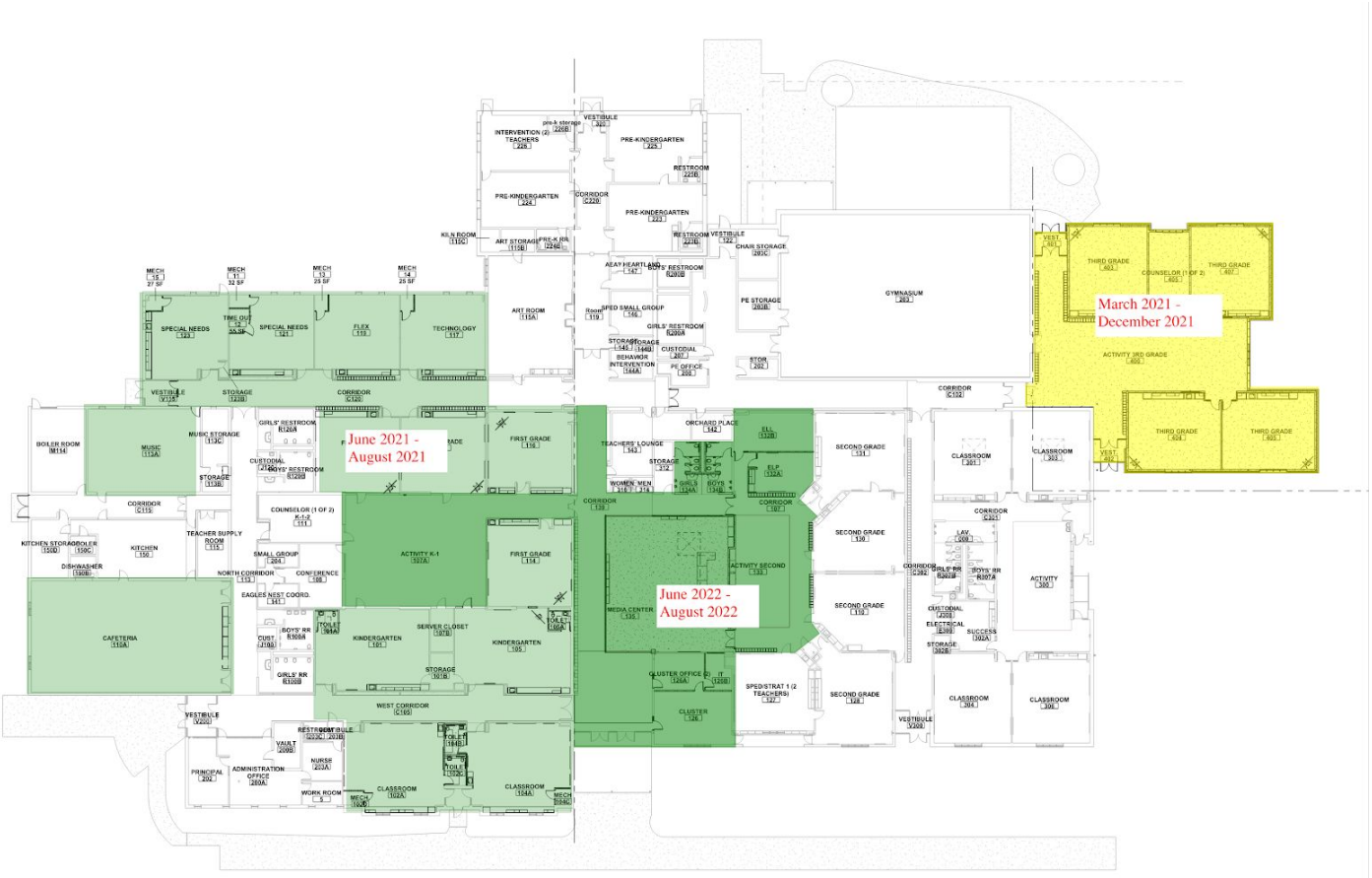
Milestones	Dates
Schematic Design	April 15, 2020 - July 17, 2020
Bond Vote	September 8, 2020
Design Development	July 18, 2020 - September 18, 2020
Contract Documents	September 19, 2020 - November 18, 2020
Bidding and Negotiation	November 19, 2020 - December 17, 2020
Contract Administration	December 17, 2020 - August 15, 2022
Closeout	August 15, 2020 - September 14, 2022

Scope of Work Floor Plan

Scope of Work Floor Plan

This floor plan represents the scope of work to be carried out as part of the new work. Green areas represent new additions to the building, yellow areas indicate areas to be renovated, and grey areas are areas that have been renovated as part of master plan work from 2012 to date.

Construction Phasing Plan



Construction Phasing Plan

The floor plan above represents the anticipated phasing and sequencing of construction over the next several months. The first constructions would commence in Early 2021 and all constructions being complete by August 2022.

Overall Programming Floor Plan

Overall Programming Floor Plan

This floor plan represents the floor plan of the entire school after additions and renovations are complete.

3rd Grade Activity Room

Media Center Facing Northeast

Design Narratives

See large format drawings for additional information.

EXISTING CONDITIONS

- The elementary school doesn't have enough classrooms in the building to accommodate their recent increase in enrollment
- The existing classrooms,that have not yet been renovated are outdated in finishes, don't provide enough built in storage for teachers and and don't offer enough natural light
- The existing media center is hidden in the middle of the building therefore it is not visible enough to inspire students to use it outside of their required library hours
- The existing cafeteria is in need of acoustical treatments to help the sound levels when students are eating in that space

SCHEMATIC DESIGN

The overall schematic design includes the following:

- See the scope list under "Scope of the Project" above

ARCHITECTURAL NARRATIVE

Third Grade Addition

The third-grade addition was developed due to a need for more classroom space. The original master plan had identified a need for two additional classrooms in the school. An unexpected increase in enrollment during the fall of 2019 required the school district to make the decision to include a larger addition that would fit not only the current students but would allow at least one classroom to be available for future growth.

This addition will include four (4) classrooms arranged around a central shared activity space with a pop-up roof and clerestory windows. The activity space will serve as a flex space for the classrooms as well as a place where multiple classes can collaborate on projects and/or presentations. This space will be outfitted with writing surfaces, AV displays and a combination of collaborative and soft seating. In addition, a small guidance office will be located just off the activity space and will serve the third and fourth grade students.

Kindergarten, First and Second Grade Renovations

The classroom renovations will include mostly surface upgrades as well as custom casework. The kindergarten, first and second grade classrooms will be overhauled with new carpet, new paint as well as new ceilings with LED lighting. These surface upgrades will give these classrooms a fresh new feel and will bring them to the

standard that the district has set for their educational spaces. In addition, a new restroom will be built inside each of the kindergarten classrooms.

Special Needs, Technology and Flexible classroom renovations

The special needs, technology and flex classroom will be moving to the existing first grade classroom area. All of these classrooms will receive surface upgrades including new carpet, paint and custom casework. This move will allow the first-grade cluster to move towards the exterior of the building where they were originally located.

The special needs classrooms are currently located in the pre-kindergarten wing, which is not an ideal nor desirable location. This renovation would allow these rooms to be moved much closer towards the main entrance of the building, as well as in the same corridor as the administration offices.

Media Center Renovation

The Media Center renovation includes moving the media center from its current location in the middle of a group of classrooms to the west entrance corridor. This new location will allow the media center to be more at the heart of the building where most students would walk past it on their way in and out of the building. The goal is to make the Media Center more accessible and visible to all of the users of the building and to help enhance the importance of reading in education. In order to achieve the visual connection desired between the Media Center and the corridor, glass walls will be used around the majority of its perimeter. Decorative acoustical treatments will be used in the ceilings to accommodate the required level of acoustical control in the space and two skylights will be added to provide good quality exterior sunlight into this interior space. This space will be outfitted with new collaborative furniture, as well as built in benches to be used for reading nooks. In addition, writing surfaces and AV displays will be provided and arranged so that the school staff can use this space for their weekly all staff meetings.

Cafeteria Renovations

The renovations in the cafeteria will include removing the existing large closet that is currently located in that room to create more space. Because storage is still needed, large, floor to ceiling built in cabinets will be installed. This will give back circulation space to the cafeteria while still retaining the required storage needed. In addition, acoustical panels will be added to the perimeter of the cafeteria to help with sound acoustics in the space. Finally, an alternate will be added to the project to add windows to the north wall of the cafeteria. Natural light would greatly help improve the feel of the space.

STRUCTURAL NARRATIVE

Third Grade Addition

Foundation:
Footings will be continuous, poured-in-place concrete, formed-type with supporting metal stud walls and steel columns above. Spread footings at locations of concentrated loads, steel columns, will be poured integral with continuous footings. At locations where the new footing abuts the existing trench footings, the foundation reinforcing will be doweled to the existing foundations. Isolated footings will support each steel column. All exterior footings will extend below frost elevation as provided by the geotechnical report. Interior footings may extend below frost elevation, depending on construction schedule. All footings at existing building will be stepped to match existing foundation bearing elevation.

Slab:
The slab on grade will be a typical 4" concrete slab, reinforced with welded wire fabric, placed on compacted subgrade and drainage material.

Walls:
The typical walls are to be 6" light gage walls with masonry cladding at the exterior. All interior walls are to be non-load bearing light gauge walls. Exterior light gauge walls will be sheathed on one side with structural plywood and have studs spaced at 1'-4" O.C. At openings, additional studs at jambs and light gauge box header above will be provided as required. All light gauge walls will be connected to roof beams and reinforced foundation at appropriate intervals and to allow for vertical deflection of roof beams.

Roof:
The roof construction will be 1 ½" deep steel deck on steel joists. Steel joists will span from the exterior walls to the corridor walls and across the corridor. Typical joist spacing is anticipated to be 5'-0" on center. Joist depth will vary from 20" to 16" above classrooms and 16" at upper roof. The steel joists will bear on steel beams spanning from column to column. The steel deck diaphragm will transfer lateral loads to steel braced/moment frames.

Special Considerations:
At the area adjacent to the existing building, roof and floor framing will be held off the existing structure, with the roof deck cantilevering over to the existing building. A building expansion joint will be installed at the floor, walls, and roof between the existing and the new structures.

Skylight Addition Activity K-1 Room

Foundation:
No additional foundation work required.

Wall:
The typical walls are to be 4” load-bearing light gauge, exterior knee walls. Light gauge walls will be sheathed on one side with structural plywood and have studs spaced at 1’-4” O.C. Walls will be supported by new angle framing and existing joist.

Roof:
The existing roof construction is assumed to be 1 ½” deep steel deck on steel joist. The existing steel roof deck will be cut back to allow for skylight opening. Additional angle framing will span from joist to joist to support cut deck edge and light gauge knee wall.

Special Considerations:
At the locations where the skylights are added additional steel tubing will be connected at the top of the existing joist to provide bracing. Existing joist bridging located with-in skylight opening will be relocated.

Skylight Addition Media Center

Foundation:
No additional foundation work required.

Wall:
The typical walls are to be 4” load-bearing light gauge, exterior knee walls. Light gauge walls will be sheathed on one side with structural plywood and have studs spaced at 1’-4” O.C. Walls will be supported by new angle framing and existing joist. Non-load bearing light gauge walls will extend down at perimeter of skylight to new ceiling elevation. Light gauge kickers to brace non-load bearing wall back to top chords of existing joists will be placed on all sides of the skylights.

Roof:
The existing roof construction is assumed to be 1 ½” deep steel deck on steel joist. The existing steel roof deck will be cut back to allow for skylight opening. Additional angle framing will span from joist to joist to support cut deck edge and light gauge knee wall.

Special Considerations:
At the locations where the skylights are added additional steel tubing will be connected at the top of the existing joist to provide bracing. Existing joist bridging located with-in skylight opening will be relocated.

Curtain Wall Second Grade Activity Addition

Foundation:
No additional foundation work required.

Wall:
The typical walls are to be 6” load-bearing light gauge exterior walls. Light gauge walls will be sheathed on one side with structural plywood and have studs spaced at 1’-4” O.C. Walls will be supported by existing lower

beams and connected to upper roof beams to allow for deflection. New curtain wall openings with be framed by light gauge box headers and sills as well as additional studs at jambs.

Roof:
No additional roof work required.

Special Considerations:
At the locations where the curtain wall is added additional steel angle framing will be connected at the bottom of existing roof beam bracing to each existing upper roof joist.

CIVIL NARRATIVE

Site Utilities

Storm sewer:
The proposed building addition will require storm sewer to be relocated and the existing detention basins will need to be reshaped to accommodate the additional hard surface.

Communication line:
There is an existing communication line that runs through the proposed building addition. Rerouting this line will need to be coordinated for the building addition.

Water:
The new building addition will be served by internal water piping. No additional exterior water service will be included.

Sanitary sewer:
A new sanitary sewer line will be needed to serve the proposed building addition. It will connect to existing sanitary sewer service located along the east side of NE 3rd Street.

Site Circulation

Sidewalk is proposed around the new building addition to connect the playground and proposed west building entrance.

Landscaping

No additional landscaping will be required. Some minor landscape enhancements will be added to blend the building addition with the existing. Turf will be proposed for the disturbed open areas.

MEP NARRATIVE

Plumbing/HVAC/Fire Protection Scope

South Classroom Addition:

- A new package roof top unit will be provided for air distribution in the addition. The unit will be located on the roof of the addition. Air will be ducted to fan powered VAV boxes in the new classrooms and large group area. The fan powered boxes will have hot water reheat coils. The VAV boxes with reheat coils will provide individual space temperature control.
- The existing building heating hot water will be extended to the addition. Unit placement will need to be coordinated with exposed structure areas and clerestory windows.
- The existing building domestic water will be extended into the addition for any new fixtures in the classrooms. New sanitary sewer will be extended to the existing on the site west of the existing building. Sanitary will be extended to the east side of the new addition to accommodate a future addition.
- Provide roof and overflow drains. Pipe primary roof and overflow drains internal to the building. Overflow drains will discharge over grade through a discharge nozzle. Primary drains will be extended below grade could potentially be tied into the site storm water running on the east side of the building. There are some area intakes that will be displaced with the new addition.
- Direct digital controls will be extended for the new equipment in the addition.
- Fire protection will be extended into the addition.

Classroom Renovations:

- The package roof top units serving the classrooms will remain. New duct distribution will be provided to coordinate ductwork routing and air delivery with the new ceilings and any added skylights.
- Provide a new water heater, expansion tank and recirculation pump to replace the existing water heater serving the south classroom pod. Extend recirculation piping to establish recirculation loop.
- Fire protection will be extended into the renovated area.

Media Center Renovations:

- The package roof top unit serving the media center area will remain. New duct distribution will be provided to coordinate ductwork routing and air delivery with the new ceilings and any added skylights.
- Fire protection will be extended into the renovated area.

Kindergarten Renovations:

- A new vertical blower coil unit will be installed in a small mechanical closet in each kindergarten classroom. Heating hot water will be extended to the units from mains in the tunnel. An air cooled condensing units will be installed on the roof and refrigerant piping extended to the cooling coils in each blower coil unit. An energy recovery unit will be installed on the roof to provide ventilation air to the blower coil unit. An inline dehumidifier will be installed for each classroom to provide active dehumidification of the space.
- The existing building domestic water and sanitary will be reworked for the new classroom sinks and restrooms. New sanitary sewer can be tied in where the existing sanitary sewer is in place for the original restrooms.
- Fire protection will be extended into the renovated area.

- New direct digital controls will be extended for the new equipment.

East Classroom Renovations:

- A new vertical blower coil unit will be installed in a small mechanical closet in each classroom. Heating hot water will be extended to the units from mains in the tunnel. An air cooled condensing units will be installed on the roof and refrigerant piping extended to the cooling coils in each blower coil unit. An energy recovery unit will be installed on the roof to provide ventilation air to the blower coil unit. An inline dehumidifier will be installed for each classroom to provide active dehumidification of the space.
- The existing building domestic water and sanitary will be reworked for the new classroom sinks. New sanitary sewer can be tied in where the existing sanitary sewer is in place for the original fixtures.
- New direct digital controls will be extended for the existing equipment.
- Fire protection will be extended into the renovated area.

Restroom Renovations:

- The existing plumbing will be reworked as required for the new restroom configuration and fixtures.
- A new roof mounted fan will be provided for restroom exhaust.
- Fire protection will be extended into the renovated area.

Cafeteria Renovations:

- The package roof top unit serving the cafeteria area will remain. New duct distribution will be provided to coordinate ductwork routing and air delivery with the new ceilings and any added skylights.
- Reworking or relocation of any mechanical, plumbing or controls located within the storage room to be removed.
- Fire protection will be extended into the renovated area.

Electrical Scope

South Classroom Addition:

- A new electrical panel will be located in the south classroom addition. Power to panel will be extended from the existing electric service located in the boiler room.
- Receptacles, connections to smart boards, and connections to new mechanical equipment serving the addition will be provided.
- Provide LED lighting with switching and occupancy sensor controls. Exterior building lighting will be provided at the building exits.
- Emergency egress and exit lighting will be provided as required by Code.
- Wireless clocks connected to the existing Primex clock system will be provided.
- Intercom/PA speakers will be connected to the existing telephone system.
- Fire alarm system protection consisting of smoke detectors, pull stations, speaker/strobes, and required connections will be connected to the new Notifier fire alarm and voice notification system.
- Voice and Data cabling to be extended from an existing IDF. Device locations and quantities to be determined.
- AV systems, camera system and card access controls will be provided as required.

Classroom Renovations:

- A new electrical panel will be located in the renovated area to provide additional capacity for mechanical equipment and additional receptacles. Power to panel will be extended from the existing electric service located in the boiler room.
- Old receptacles and wall plates will be replaced with new receptacles and wall plates.
- New connections to smart boards and connections to new mechanical equipment serving the classrooms will be provided.
- Old lighting will be replaced with new LED lighting with switching and occupancy sensor controls.
- Emergency egress lighting will be provided as required by Code.
- Old wired clocks will be replaced with new wireless clocks connected to the existing Primex clock system.
- Old PA speakers will be replaced with new ceiling mounted Intercom/PA speakers connected to the existing telephone system.
- Fire alarm and voice notification system devices installed in the 2020 system replacement will be reused and incorporated into the renovated classroom spaces.
- Voice and Data cabling to be extended from the existing MDF. Device locations and quantities to be determined.
- AV systems will be provided as required.

Media Center Renovations:

- Existing electrical panels will be used for circuits to new mechanical equipment and additional receptacles.
- Receptacles, connections to smart boards, and connections to new mechanical equipment serving the addition will be provided.
- Old receptacles and wall plates will be replaced with new receptacles and wall plates, where applicable.
- New LED lighting with switching and occupancy sensor controls will be provided in the renovated spaces.
- Emergency egress and exit lighting will be provided as required by Code.
- Old wired clocks will be replaced with new wireless clocks connected to the existing Primex clock system.
- Old PA speakers will be replaced with new ceiling mounted Intercom/PA speakers connected to the existing telephone system.
- Fire alarm and voice notification system devices installed in the 2020 system replacement will be reused and incorporated into the renovated media center space. Additional fire alarm devices will be added to meet Code requirements.
- Voice and Data cabling to be extended from the existing MDF. Device locations and quantities to be determined.
- AV systems will be provided as required.

Kindergarten Renovations:

- The new electrical panel added for the classroom renovations will be used to provide circuits for the new mechanical equipment and additional receptacles.
- Old receptacles and wall plates will be replaced with new receptacles and wall plates.
- New connections to smart boards and connections to new mechanical equipment serving the classrooms will be provided.

- Old lighting will be replaced with new LED lighting with switching and occupancy sensor controls.
- Emergency egress lighting will be provided as required by Code.
- Old wired clocks will be replaced with new wireless clocks connected to the existing Primex clock system.
- Old PA speakers will be replaced with new ceiling mounted Intercom/PA speakers connected to the existing telephone system.
- Fire alarm and voice notification system devices installed in the 2020 system replacement will be reused and incorporated into the renovated kindergarten spaces.
- Voice and Data cabling to be extended from the existing MDF. Device locations and quantities to be determined.
- AV systems will be provided as required.

East Classroom Renovations:

- Existing electrical panels will be used for circuits to new mechanical equipment and additional receptacles.
- Old receptacles and wall plates will be replaced with new receptacles and wall plates.
- New connections to smart boards and connections to new mechanical equipment serving the classrooms will be provided.
- Old lighting will be replaced with new LED lighting with switching and occupancy sensor controls.
- Emergency egress lighting will be provided as required by Code.
- Old wired clocks will be replaced with new wireless clocks connected to the existing Primex clock system.
- Old PA speakers will be replaced with new ceiling mounted Intercom/PA speakers connected to the existing telephone system.
- Fire alarm and voice notification system devices installed in the 2020 system replacement will be reused and incorporated into the renovated kindergarten spaces.
- Voice and Data cabling to be extended from the existing MDF. Device locations and quantities to be determined.
- AV systems will be provided as required.

Restroom Renovations:

- Existing electrical panel will be used for new circuits to new exhaust fans and hand dryers.
- New electric hand dryers will be installed.
- Old receptacles and wall plates will be replaced with new GFCI receptacles and wall plates.
- Old lighting will be replaced with new LED lighting with switching and occupancy sensor controls.
- Emergency egress lighting will be provided as required by Code.
- Fire alarm and voice notification system devices installed in the 2020 system replacement will be reused and incorporated into the renovated restroom spaces.

Cafeteria Renovations:

- Existing electrical panels will be used for circuits to new mechanical equipment and additional receptacles.
- Old receptacles and wall plates in cafeteria area will be replaced with new receptacles and wall plates.
- Rework or relocate any electrical system components located within the storage room to be removed.
- Old lighting will be replaced with new LED lighting with switching and occupancy sensor controls.

- Emergency egress and exit lighting will be provided as required by Code.
- Old wired clocks will be replaced with new wireless clocks connected to the existing Primex clock system.
- Old PA speakers will be replaced with new ceiling mounted Intercom/PA speakers connected to the existing telephone system.
- Voice and Data cabling to be extended from the existing MDF. Device locations and quantities to be determined.
- Fire alarm and voice notification system devices installed in the 2020 system replacement will be reused and incorporated into the renovated cafeteria space. Additional fire alarm devices will be added to meet Code requirements.

Room Data Sheets

Room Data Sheets

400 | ACTIVITY 3RD GRADE

PROGRAM

Space Description & Comments

Department
ACTIVITY

Area
2550 SF

Related Rooms
Storage

Occupancy
Assembly w/o fixed seats

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈15'-0"

Exposed painted acoustic deck, acoustical clouds

Floor Finish & Base

Carpet Tile

Resilient

Wall Finish

Impact resistant gwp, paint. Dry erase paint

Casework

NA

Openings

Windows & Other Glazing

Fixed clerestory windows at east/west, storefront windows & exit doors at north/south

Doors & Door Hardware

Door position switch @exterior doors, panic devices

Specialties

Fire extinguisher cabinet, stainless steel corner guards, tack rails @perimeter of room, 8' Interactive Markerboard

Furniture & Equipment

Collaborative furniture and drop down projection screen by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Exposed spiral ductwork

Electrical

Power

Convenience outlets througout & at AV display

Lighting

Direct/indirect linear pendant. Occupancy & daylight sensor.

Plumbing

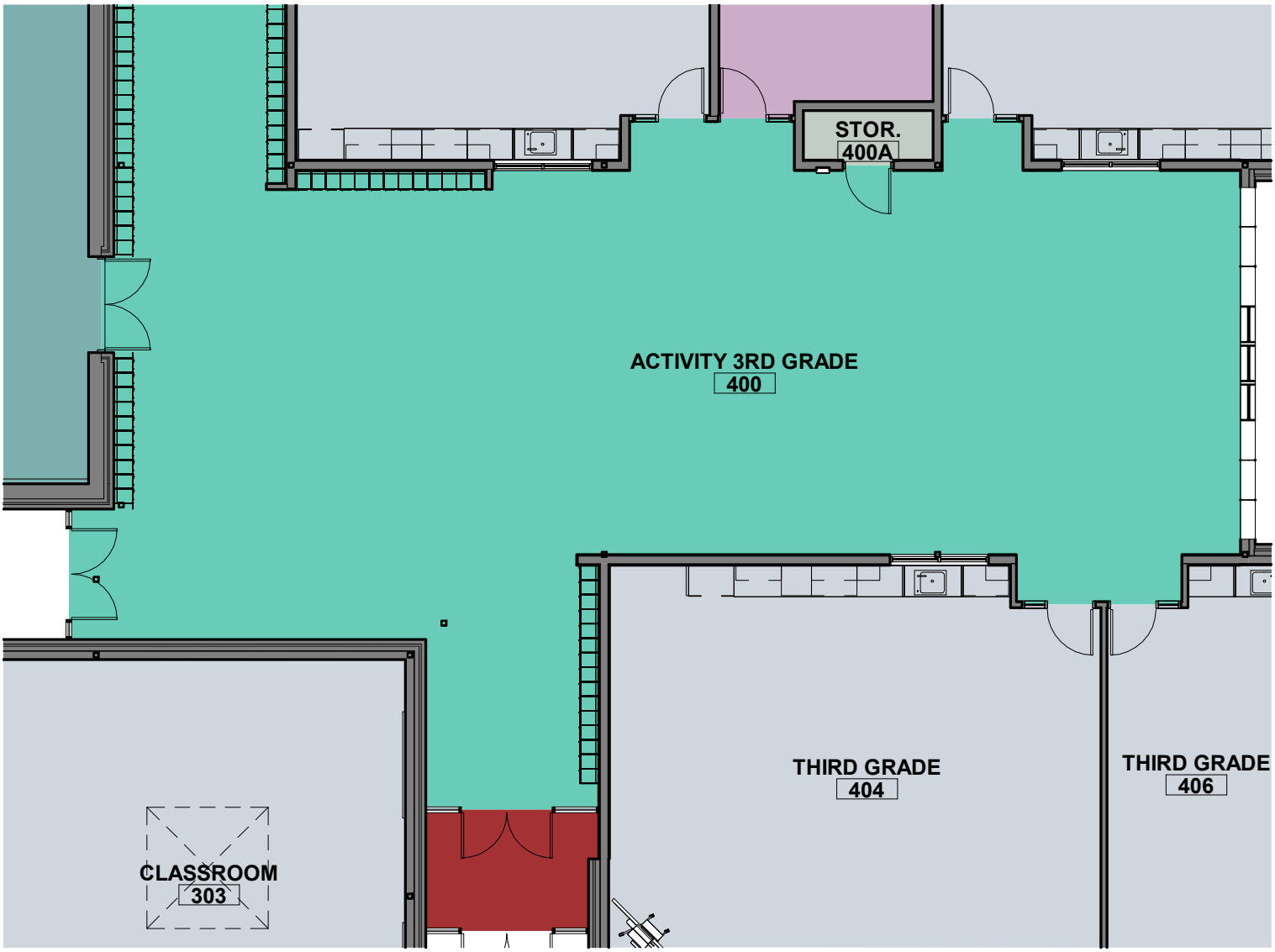
NFPA Sprinkler System

Technology

Provide data to short throw projector

Security Systems

Rough in for door security & cameras



SECOND GRADE ADDITION - ACTIVITY ROOM

SCALE: 3/32" = 1'-0"

Room Data Sheets

405 | COUNSELOR - 3RD & 4TH GRADE

PROGRAM

Space Description & Comments

Department	**Area**
STUDENT SERVICES	366 SF
Related Rooms	**Occupancy**
	Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈8'-0"

Acoustic ceiling tile

Floor Finish & Base

Carpet tile

Resilient base

Wall Finish

Impact resistant drywall

Casework

4' lower & upper cabinets and teacher's wardrobe

Openings

Windows & Other Glazing

10'x5' windows, storefront w/operable panel

Doors & Door Hardware

Wood door w/glazed sidelite, classroom intruder lockset

Specialties

(1) 4' Tackboard, (1) 6' White Board, (1) 8' Interactive Whiteboard @AV Display

Furniture & Equipment

Office furniture by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/plenum distribution from rooftop unit

Electrical

Power

Convenience outlets @perimeter

Lighting

Indirect led lighting

Plumbing

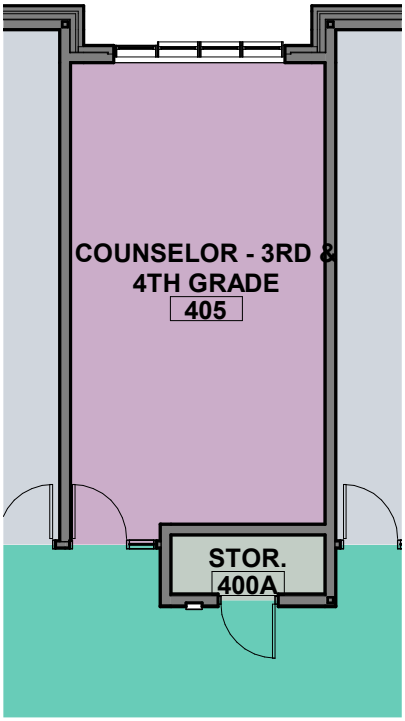
NFPA Sprinkler system

Technology

Provide data to short throw projector

Security Systems

N/A



COUNSELING

SCALE: 3/32" = 1'-0"

Room Data Sheets

120 | SPECIAL NEEDS

PROGRAM

Space Description & Comments

Remodel of existing first grade classroom

Department

CLASSROOM

Area

754 SF

Related Rooms

118 - Room 118 does not require a time-out room

Occupancy

Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈8'-0"

Acoustic ceiling tile

Floor Finish & Base

Carpet Tile

Resilient

Wall Finish

Existing cmu/glazed block - paint

Casework

22' upper & lower cabinets, wardrobe

Openings

Windows & Other Glazing

8'x8' Skylight

Doors & Door Hardware

Wood door w/glazed sidelight, classroom intruder locksets

Specialties

(3) 6' Markerboards, (1) 4' Tackboard, (1) Data/Telephone outlet for teacher workstation

Furniture & Equipment

Mobile AV display by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/Plenum distribution from roof top unit

Electrical

Power

Existing outlets to recieve new devices & cover plates

Lighting

Indirect led lighting

Plumbing

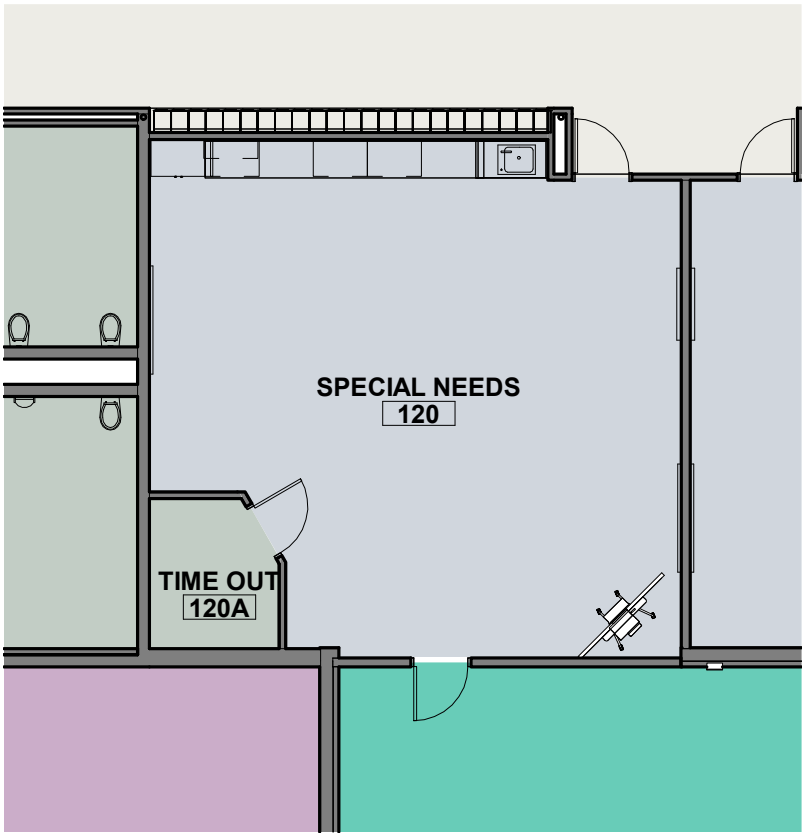
Reuse existing sink & bubbler

Technology

N/A

Security Systems

N/A



SPECIAL NEEDS - BEHAVIOR W/ TIME OUT ROOM

SCALE: 3/32" = 1'-0"

Room Data Sheets

107A | ACTIVITY K-1

PROGRAM

Space Description & Comments

Department	Area
ACTIVITY	2188 SF
Related Rooms	**Occupancy**
IT	Assembly w/fixed seats

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈15'-0"

Acoustical cloud ceilings & perimeter gwb bulkheads

Floor Finish & Base

Carpet tile

Resilient

Wall Finish

Paint over existing GWB/CMU

Casework

10' of full height (8'-0" tall) cabinets

Openings

Windows & Other Glazing

(2) 10'x10' skylights

Doors & Door Hardware

NA

Specialties

Fire extinguisher cabinet, stainless steel CG, tack rails @perimeter of room

Furniture & Equipment

Collaborative furniture and drop down projection screen by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Replace existingduct work w/exposed spiral ductwork. Reroute to accommodate new skylights.

Electrical

Power

Existing outlets to receive new devices & cover plates.

Lighting

Direct/indirect linear pendant w/occupancy & daylight sensors

Plumbing

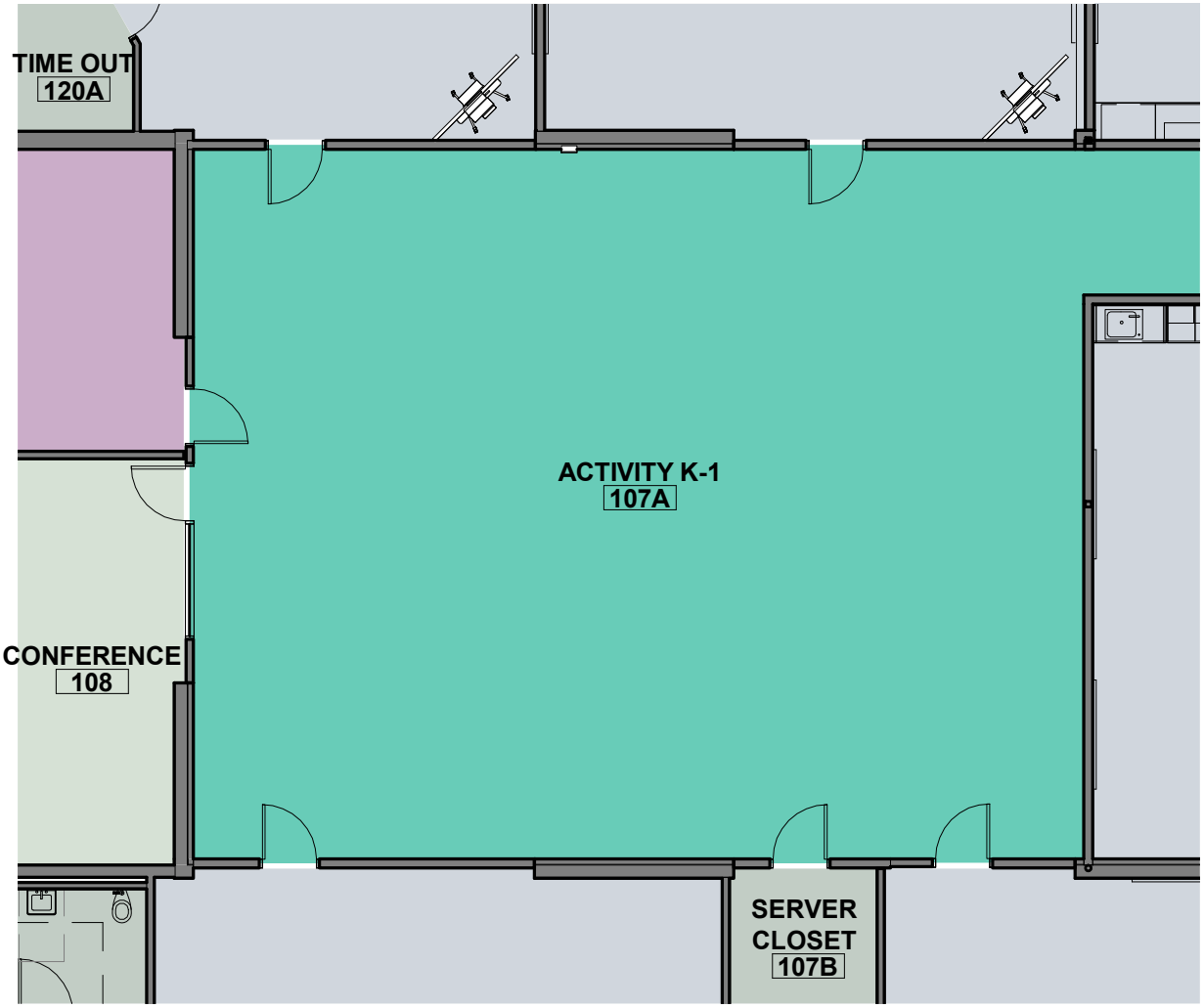
NFPA sprinkler system

Technology

Provide data to short throw projector

Security Systems

N/A



ACTIVITY - K-1 REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

105 | KINDERGARTEN

PROGRAM

Space Description & Comments

Remodel of existing kindergarten classroom & restroom addition

Department
CLASSROOM

Area
1072 SF

Related Rooms
103, 104, 105, RR

Occupancy
Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish
≈8'-0"
Acoustic ceiling tile & GWB @RR

Floor Finish & Base
Carpet tile & ceramic tile @RR
Resilient & ceramic tile @RR

Wall Finish
Existing at classroom & Ceramic tile @RR

Casework

22' upper & lower cabinets, wardrobe

Openings

Windows & Other Glazing
(1) 8'X8' Skylight

Doors & Door Hardware
Wood door, classroom intruder lockset & occupancy indicator @RR

Specialties

(3) 6' Markerboards, (1) 4' Tackboard, (1) Data/Telephone outlet for teacher workstation

Furniture & Equipment

Mobile AV display by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/plenum distribution from rooftop unit

Electrical

Power
Convenience outlets @perimeter and @AV display (corners)

Lighting
Indirect led lighting, step lighting to create different learning zones or lighting schemes, occupancy sensors. Under cabinet lighting

Plumbing

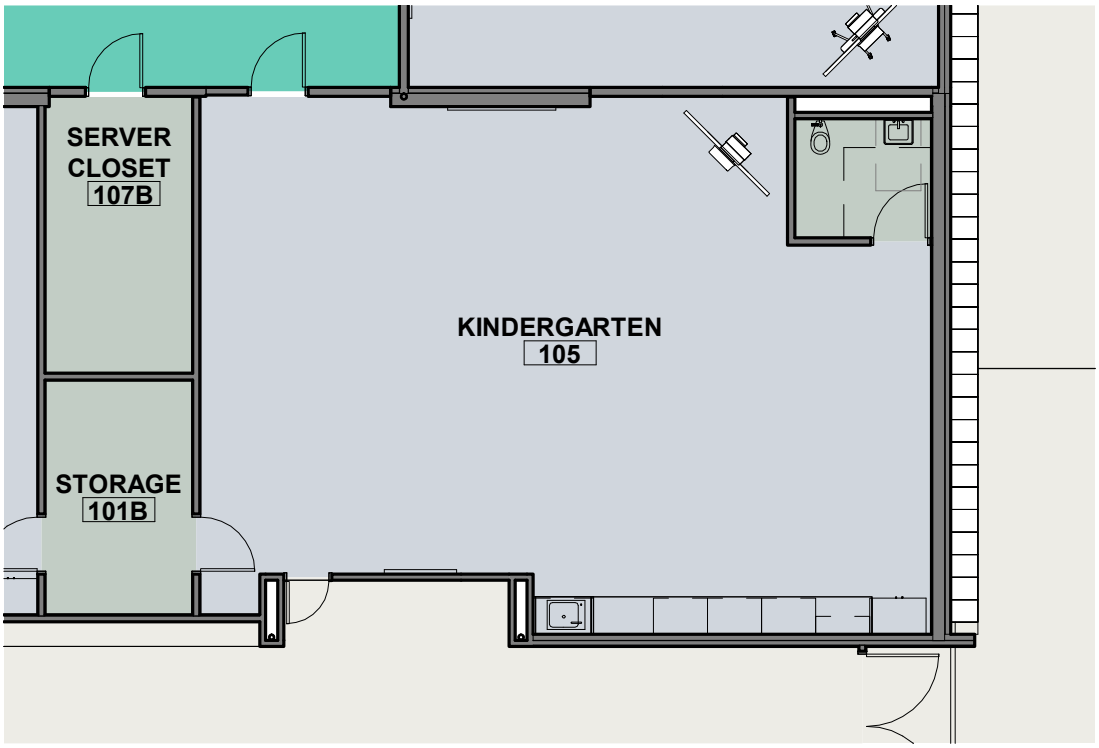
NFPA sprinkler system, handwash sink w/bubbler drinking fntn. Child height lav & toilet @RR

Technology

N/A

Security Systems

N/A



KINDERGARTEN REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

110A | CAFETERIA

PROGRAM

Space Description & Comments

Light renovations to add seating area to the cafeteria while retaining storage ability

Department

DINING

Area

2650 SF

Related Rooms

Occupancy

Assembly w/o fixed seating

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈15'-0"

Acoustical cloud ceilings below suspended act grid

Floor Finish & Base

Polished concrete (by owner)

Resilient base

Wall Finish

Acoustical wall panels at perimeter of room

Casework

Tall lockable cabinets @south wall for eagle's nest

Openings

Windows & Other Glazing

Add alternate to add clerestory windows to north wall

Doors & Door Hardware

NA

Specialties

N/A

Furniture & Equipment

N/A

MEPT PARAMETERS

Mechanical & HVAC Description

NA

Electrical

Power

Replace receptacles & cover plates

Lighting

Replace 2x4 fluorescent w/led troffers on occupancy sensor

Plumbing

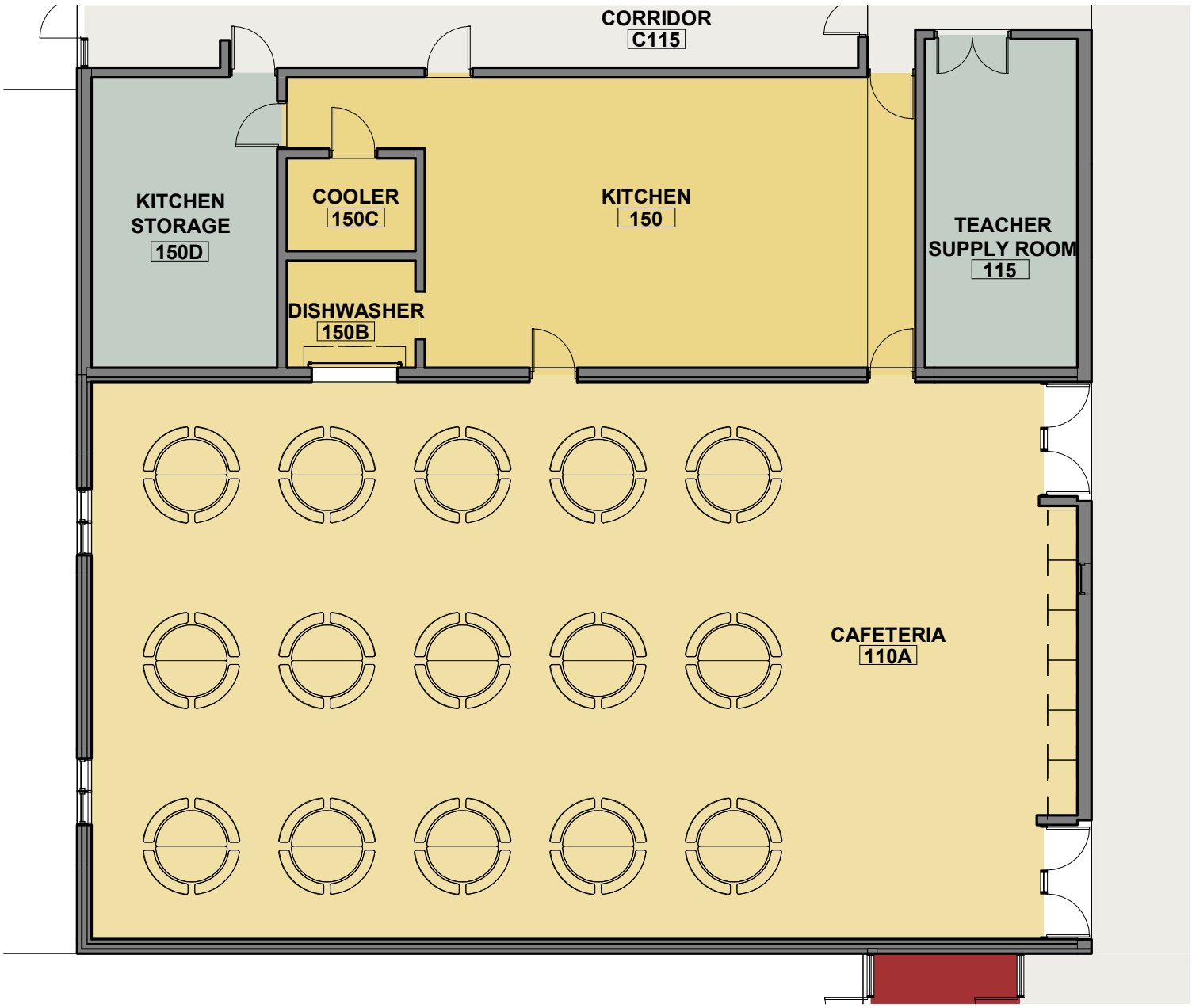
N/A

Technology

N/A

Security Systems

N/A



CAFETERIA REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

134A | GIRLS

PROGRAM

Space Description & Comments

Renovated, ADA accessible girls and boys restrooms

Department

SUPPORT

Area

159 SF

Related Rooms

134B - Boys Restroom

Occupancy

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈+/- 8'-0"

Gypsum board

Floor Finish & Base

Ceramic tile

Wall Finish

Ceramic tile

Casework

N/A

Openings

Windows & Other Glazing

N/A

Doors & Door Hardware

N/A

Specialties

Toilet accessories - grab bars, sanitary napkin dispensers, toilet paper dispensers & soap dispensers

Furniture & Equipment

TOILET PARTITIONS

MEPT PARAMETERS

Mechanical & HVAC Description

Electrical

Power

Electrical hand dryers

Lighting

LED lights & occupancy sensors

Plumbing

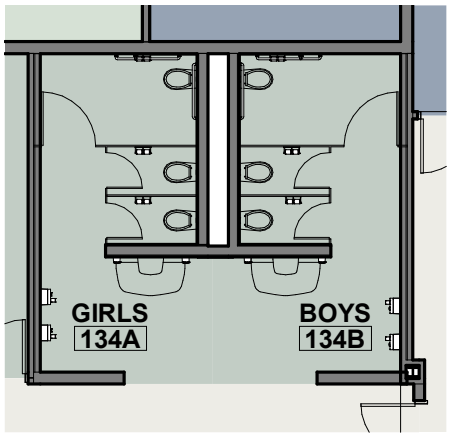
Toilets & sinks

Technology

N/A

Security Systems

N/A



GIRLS & BOYS RESTROOM REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

132A | ELP

PROGRAM

Space Description & Comments

Department
STUDENT SERVICES

Area
297 SF

Related Rooms
N/A

Occupancy
Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish
≈8'-0"
Acoustic ceiling tile

Floor Finish & Base
Carpet tile
Resilient

Wall Finish
Impact resistant drywall

Casework

8' lower and upper cabinets & countertop, wardrobe

Openings

Windows & Other Glazing
N/A

Doors & Door Hardware
Wood door w/glazed sidelite, classroom intruder lockset

Specialties

(1) 4' Tackboard, (1) 6' White Board, (1) 6' Interactive Whiteboard @AV Display

Furniture & Equipment

Classroom furniture byo wner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/Plenum distribution from rooftop unit

Electrical

Power
Convenience outlets @perimeter

Lighting
Indirect led lighting

Plumbing

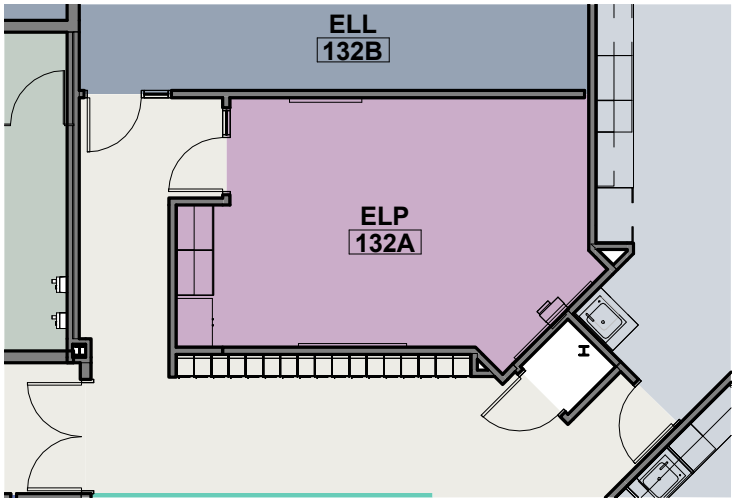
NFPA sprinkler system

Technology

Provide data to short throw projector

Security Systems

N/A



ELP REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

133 | ACTIVITY SECOND

PROGRAM

Space Description & Comments

New activity space for the third grade classrooms

Department	Area
ACTIVITY	775 SF
Related Rooms	**Occupancy**
Storage	Assembly w/o fixed seats

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈15'-0"

Exposed painted acoustic deck, acoustical clouds

Floor Finish & Base

Carpet tile

Resilient base

Wall Finish

Impact resistant gwp, paint. Dry erase paint

Casework

18' length of full height (8'-0") lockable cabinets

Openings

Windows & Other Glazing

Clerestory windows (curtain wall) at North wall of room.

Doors & Door Hardware

Panic hardware at egress doors

Specialties

Fire extinguisher cabinet, stainless steel corner guards, tack rails @perimeter of room

Furniture & Equipment

Collaborative furniture and drop down projection screen by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Exposed spiral ductwork

Electrical

Power

Convenience outlets throughout & at AV display

Lighting

Direct/indirect linear pendant. Occupancy & daylight sensor.

Plumbing

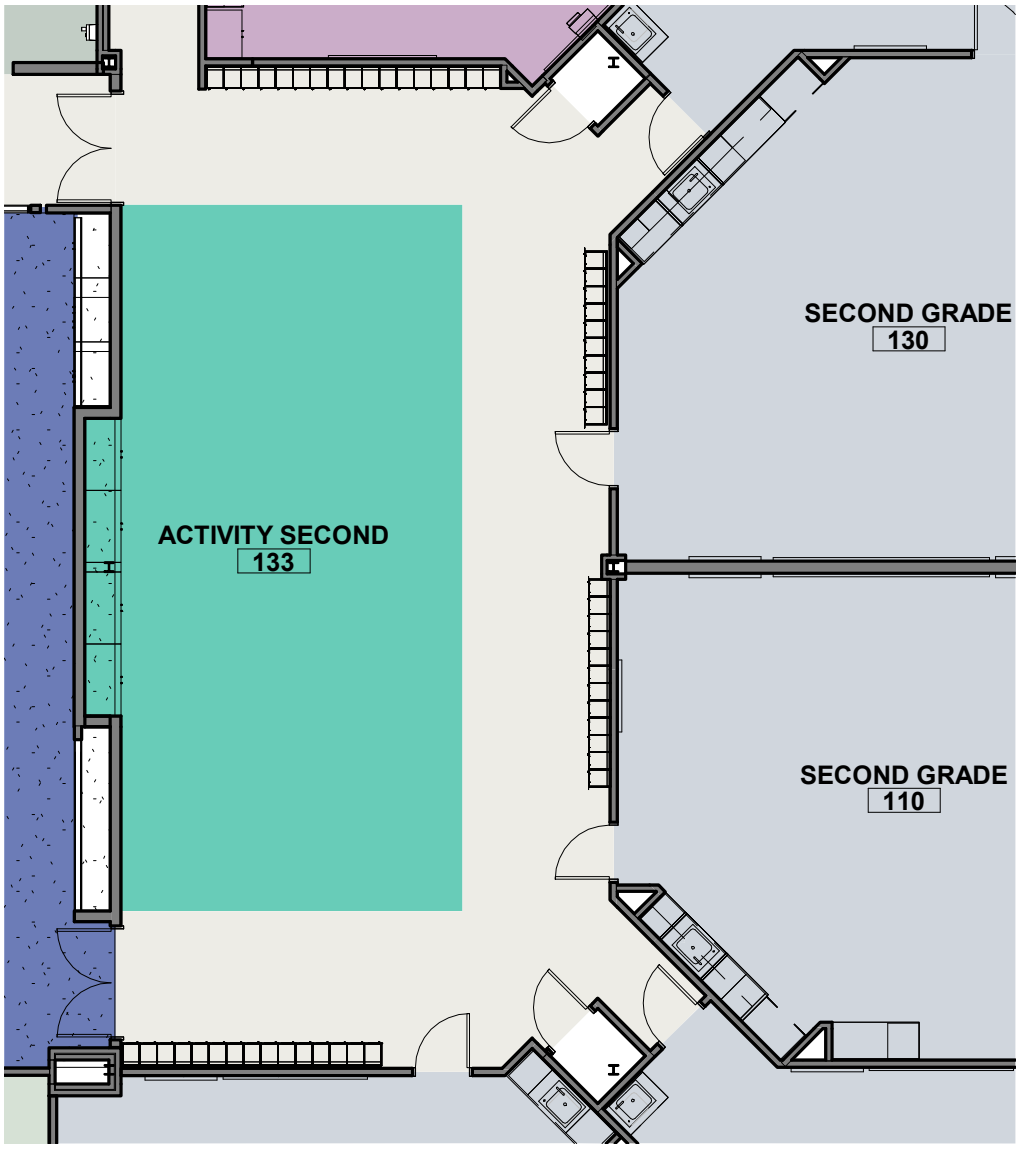
NFPA sprinkler system

Technology

N/A

Security Systems

N/A



SECOND GRADE - ACTIVITY ROOM REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

135 | MEDIA CENTER

PROGRAM

Space Description & Comments

Media center relocation to more visible location

Department	Area
MEDIA CENTER	2050 SF
Related Rooms	**Occupancy**
N/A	Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈8'-0" to 9'-0"

Acoustical Clouds & Exposed Deck - Paint

Floor Finish & Base

Carpet Tile

Resilient Base

Wall Finish

Existing brick/CMU painted, gypsum wall board - paint / glass wall along north wall of room

Casework

Large custom circulation desk. One computer work station. Wood column surround

Openings

Windows & Other Glazing

(2) 8'x8' Skylights. Vision glass and hollow metal frames to corridor

Doors & Door Hardware

N/A

Specialties

Stainless steel corner guards, (2) 8' Tackboards, (1) 4' Tackboard, Motorized projector screen

Furniture & Equipment

Bookshelves, movable carts, chairs, soft seating by owner

MEPT PARAMETERS

Mechanical & HVAC Description

New duct layout to be painted double wall round duct w/ linear slot diffusers

Electrical

Power

Convenience outlets at perimeter and each column. Provide power to AV display

Lighting

Recessed linear LED lighting. Direct/Indirect LED lighting at skylights

Plumbing

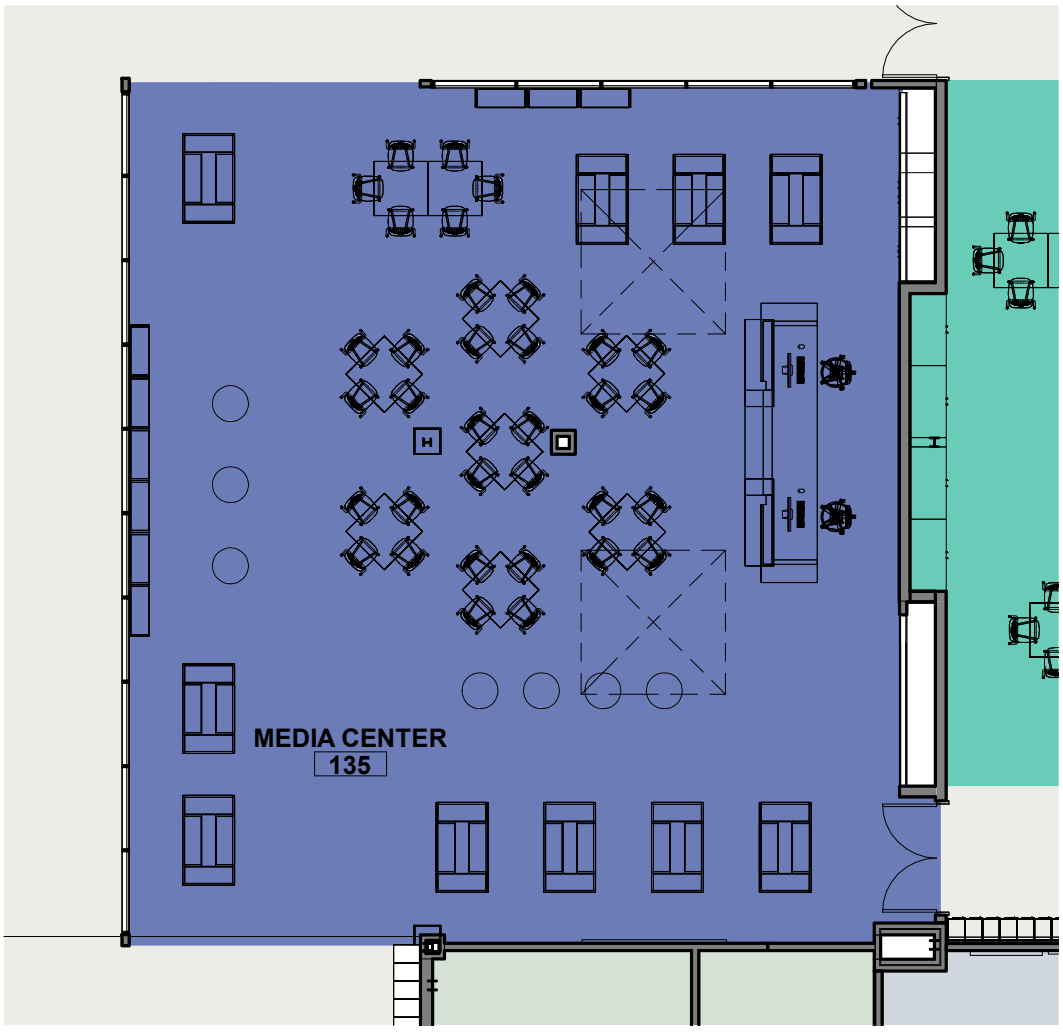
NFPA Sprinkler System

Technology

AV Display (Likely Ceiling Mounted Projector) by owner. Provide power/data to location

Security Systems

Security camera components by owner, pathway by contract



MEDIA CENTER REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

113A | MUSIC

PROGRAM

Space Description & Comments

Surface upgrades to music room including new paint, carpet and custom storage for instruments

Department

CLASSROOM

Area

1141 SF

Related Rooms

N/A

Occupancy

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈+/- 8'-0"

ACT

Floor Finish & Base

Carpet

Vinyl Base

Wall Finish

Existing - paint

Casework

20' full height (8'-0" tall) cabinets

Openings

Windows & Other Glazing

Existing

Doors & Door Hardware

New wood door at opening on east ride of room

Specialties

N/A

Furniture & Equipment

MEPT PARAMETERS

Mechanical & HVAC Description

Electrical

Power

Lighting

Plumbing

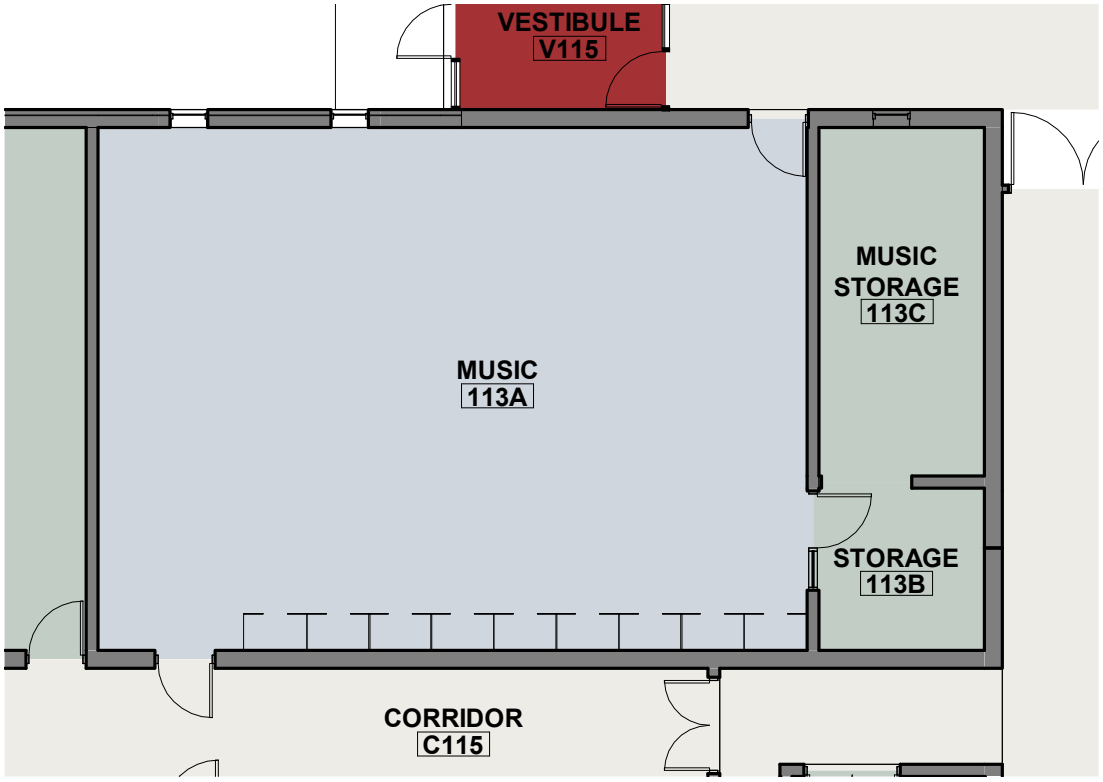
N/A

Technology

N/A

Security Systems

N/A



MUSIC ROOM REMODEL

SCALE: 3/32" = 1'-0"

Room Data Sheets

132B | ELL

PROGRAM

Space Description & Comments

Department
SPECIAL NEEDS

Area
374 SF

Related Rooms
N/A

Occupancy
Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish
≈8'-0"
Acoustic ceiling tile

Floor Finish & Base
Carpet tile
Resilient base

Wall Finish
Impact resistant drywall

Casework

8' lower and upper cabinets & countertop, wardrobe

Openings

Windows & Other Glazing
N/A

Doors & Door Hardware
Wood door w/glazed sidelite, classroom intruder lockset

Specialties

(1) 4' Tackboard, (1) 6' White Board, (1) 6' Interactive Whiteboard @AV Display

Furniture & Equipment

Classroom furniture byo wner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/Plenum distribution from rooftop unit

Electrical

Power
Convenience outlets @perimeter

Lighting
Indirect led lighting

Plumbing

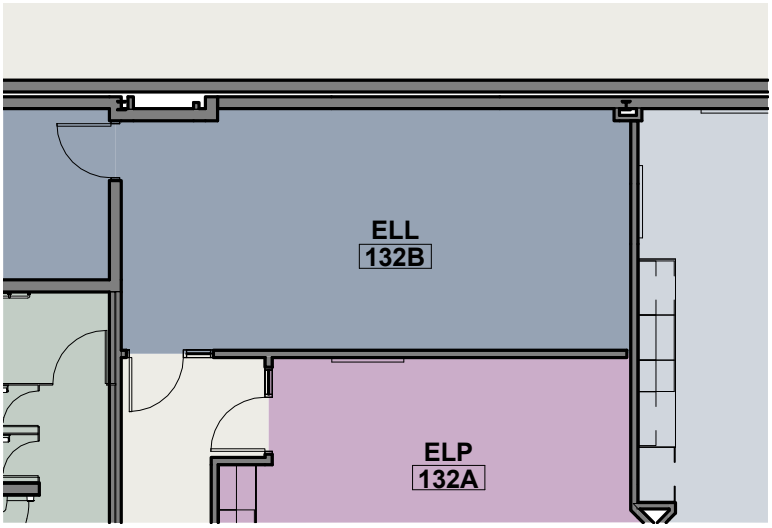
NFPA sprinkler system

Technology

Provide data to short throw projector

Security Systems

N/A



ELL

SCALE: 3/32" = 1'-0"

Room Data Sheets

126 | CLUSTER

PROGRAM

Space Description & Comments

Designated conference room for cluster teacher instruction

Department
ADMINISTRATION

Area
506 SF

Related Rooms
Cluster offices

Occupancy

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish
≈8'-0"
Acoustic ceiling tile

Floor Finish & Base
Carpet tile
Resilient base

Wall Finish
Impact resistant drywall, paint

Casework

13' lineal feet of base cabinets and countertop

Openings

Windows & Other Glazing
Existing

Doors & Door Hardware
Wood door w/glazed sidelite, classroom intruder lockset

Specialties

(1) 4' Tackboard, (1) 6' White Board

Furniture & Equipment

Flexible office furniture by owner - 6 tables that can form one large table in the center of the room. Document camera for projector by owner.

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/Plenum distribution from rooftop unit

Electrical

Power
Convenience outlets at perimeter

Lighting
Indirect LED lighting

Plumbing

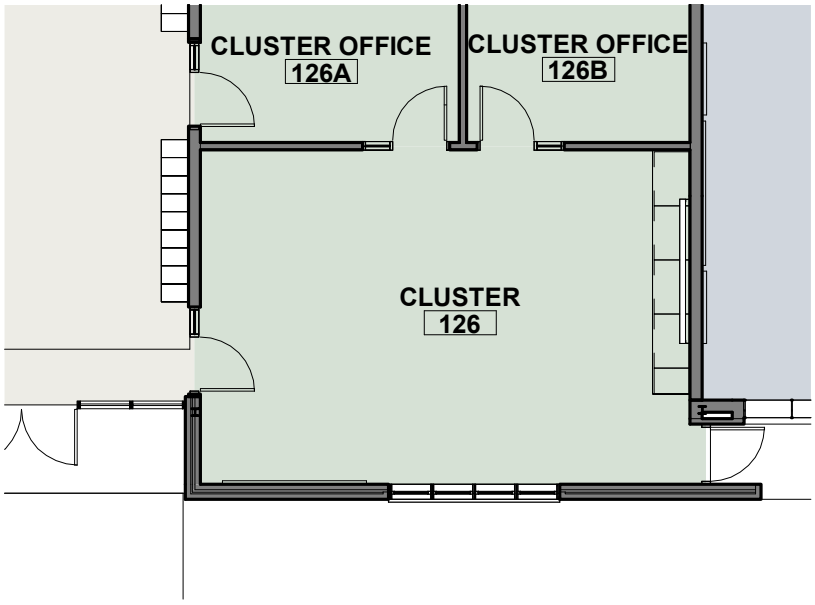
N/A

Technology

Provide data to short throw projector

Security Systems

N/A



CLUSTER ROOM

SCALE: 3/32" = 1'-0"

Room Data Sheets

126A | CLUSTER OFFICE

PROGRAM

Space Description & Comments

Office space for master teachers

Department
ADMINISTRATION

Area
184 SF

Related Rooms
126B

Occupancy
Business

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish
≈8'-0"
Acoustical ceiling tile

Floor Finish & Base
Carpet tile
Resilient base

Wall Finish
Impact resistant drywall, paint

Casework
N/A

Openings

Windows & Other Glazing
4' x 2' clerestory window between office and Cluster room

Doors & Door Hardware
Wood door w/glazed sidelite, classroom intruder lockset

Specialties
N/A

Furniture & Equipment
Office furniture by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/Plenum distribution from rooftop unit

Electrical

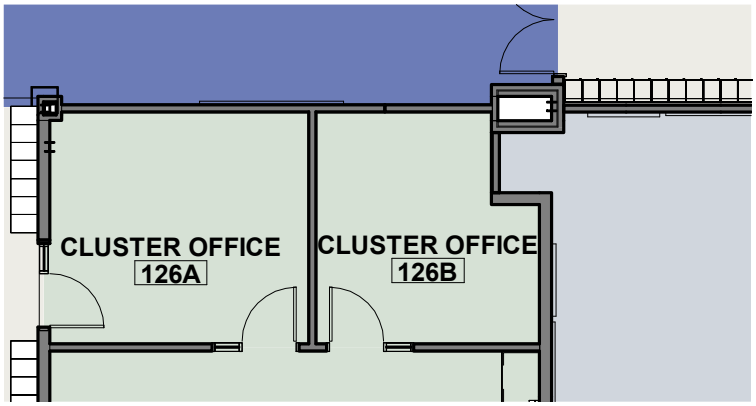
Power
Convenience outlets at perimeter

Lighting
Indirect LED lighting

Plumbing
N/A

Technology
N/A

Security Systems
N/A



CLUSTER OFFICE

SCALE: 3/32" = 1'-0"

Room Data Sheets

114 | FLEX

PROGRAM

Space Description & Comments

Flexible classroom - use to be determined yearly depending on enrollment

Department

CLASSROOM

Area

879 SF

Related Rooms

N/A

Occupancy

Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈8'-0"

Ceiling tile

Floor Finish & Base

Carpet tile

Resilient base

Wall Finish

Existing CMU, paint

Casework

20' lineal feet of upper & lower cabinets with solid surface countertops

Openings

Windows & Other Glazing

N/A

Doors & Door Hardware

Wood door & glazed side lite. Classroom Intruder Lockset

Specialties

(3) 6' Markerboards, (1) 4' Tackboard, (1) Data/Telephone outlet for teacher workstation

Furniture & Equipment

Classroom furniture by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/plenum distribution from rooftop unit

Electrical

Power

Convenience outlets at perimeter and at AV Displays.

Lighting

Indirect led lighting, step lighting to create different learning zones or lighting schemes, occupancy sensors. Under cabinet lighting.

Plumbing

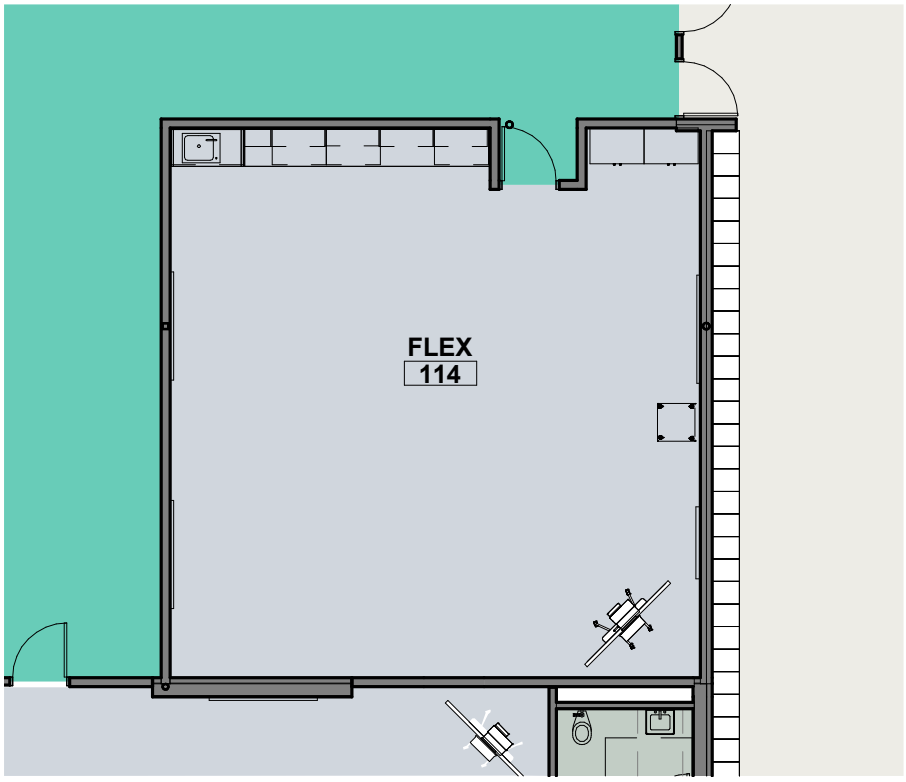
NFPA sprinkler system, handwashing sink w/bubbler drinking fountain

Technology

Mobile AV Display (OFOI). (1) Data/Telephone outlet for Teacher Workstation

Security Systems

N/A



FLEX CLASSROOM

SCALE: 3/32" = 1'-0"

Room Data Sheets

123 | FIRST GRADE

PROGRAM

Space Description & Comments

First grade classroom renovations

Department

CLASSROOM

Area

758 SF

Related Rooms

Occupancy

Education

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈8'-0" & 8'-8"

Ceiling tile

Floor Finish & Base

Carpet tile

Resilient base

Wall Finish

Existing CMU, paint

Casework

20' lineal feet of upper & lower cabinets with solid surface countertops

Openings

Windows & Other Glazing

Existing windows

Doors & Door Hardware

Wood door & glazed side lite. Classroom Intruder Lockset

Specialties

(3) 6' Markerboards, (1) 4' Tackboard, (1) Data/Telephone outlet for teacher workstation

Furniture & Equipment

Classroom furniture by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Ceiling/Plenum distribution from roof top unit

Electrical

Power

Existing outlets to recieve new devices & cover plates

Lighting

Indirect led lighting

Plumbing

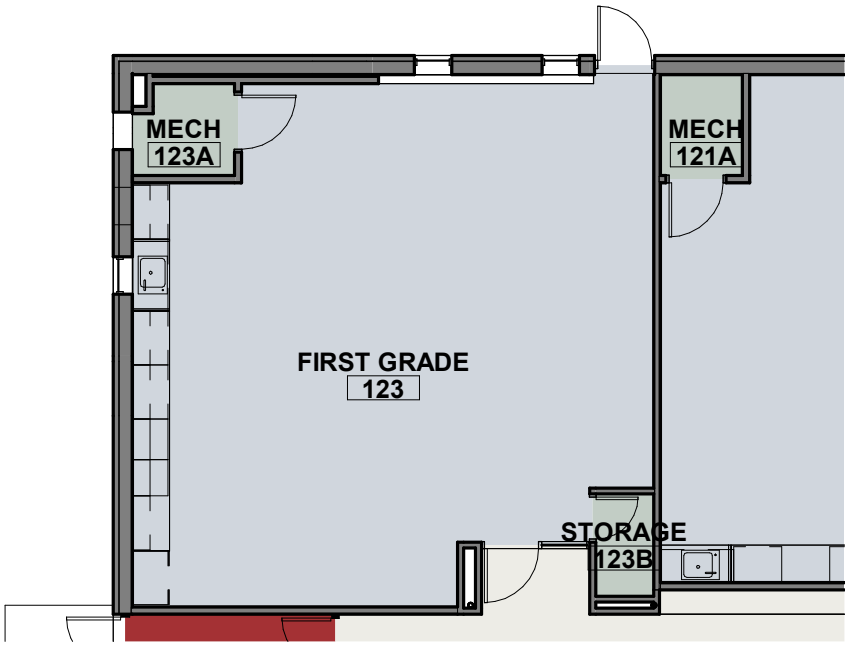
NFPA sprinkler system, reuse existing sink & bubbler

Technology

Mobile AV Display (OFOI). (1) Data/Telephone outlet for Teacher Workstation

Security Systems

N/A



FIRST GRADE CLASSROOM

SCALE: 3/32" = 1'-0"

Room Data Sheets

400 | ACTIVITY 3RD GRADE

PROGRAM

Space Description & Comments

Department	Area
ACTIVITY	2550 SF
Related Rooms	**Occupancy**
Storage	Assembly w/o fixed seats

ARCHITECTURAL PARAMETERS

Finishes

Ceiling Height & Finish

≈15'-0"

Exposed painted acoustic deck, acoustical clouds

Floor Finish & Base

Carpet Tile

Resilient

Wall Finish

Impact resistant gwp, paint. Dry erase paint

Casework

NA

Openings

Windows & Other Glazing

Fixed clerestory windows at east/west, storefront windows & exit doors at north/south

Doors & Door Hardware

Door position switch @exterior doors, panic devices

Specialties

Fire extinguisher cabinet, stainless steel corner guards, tack rails @perimeter of room, 8' Interactive Markerboard

Furniture & Equipment

Collaborative furniture and drop down projection screen by owner

MEPT PARAMETERS

Mechanical & HVAC Description

Exposed spiral ductwork

Electrical

Power

Convenience outlets througout & at AV display

Lighting

Direct/indirect linear pendant. Occupancy & daylight sensor.

Plumbing

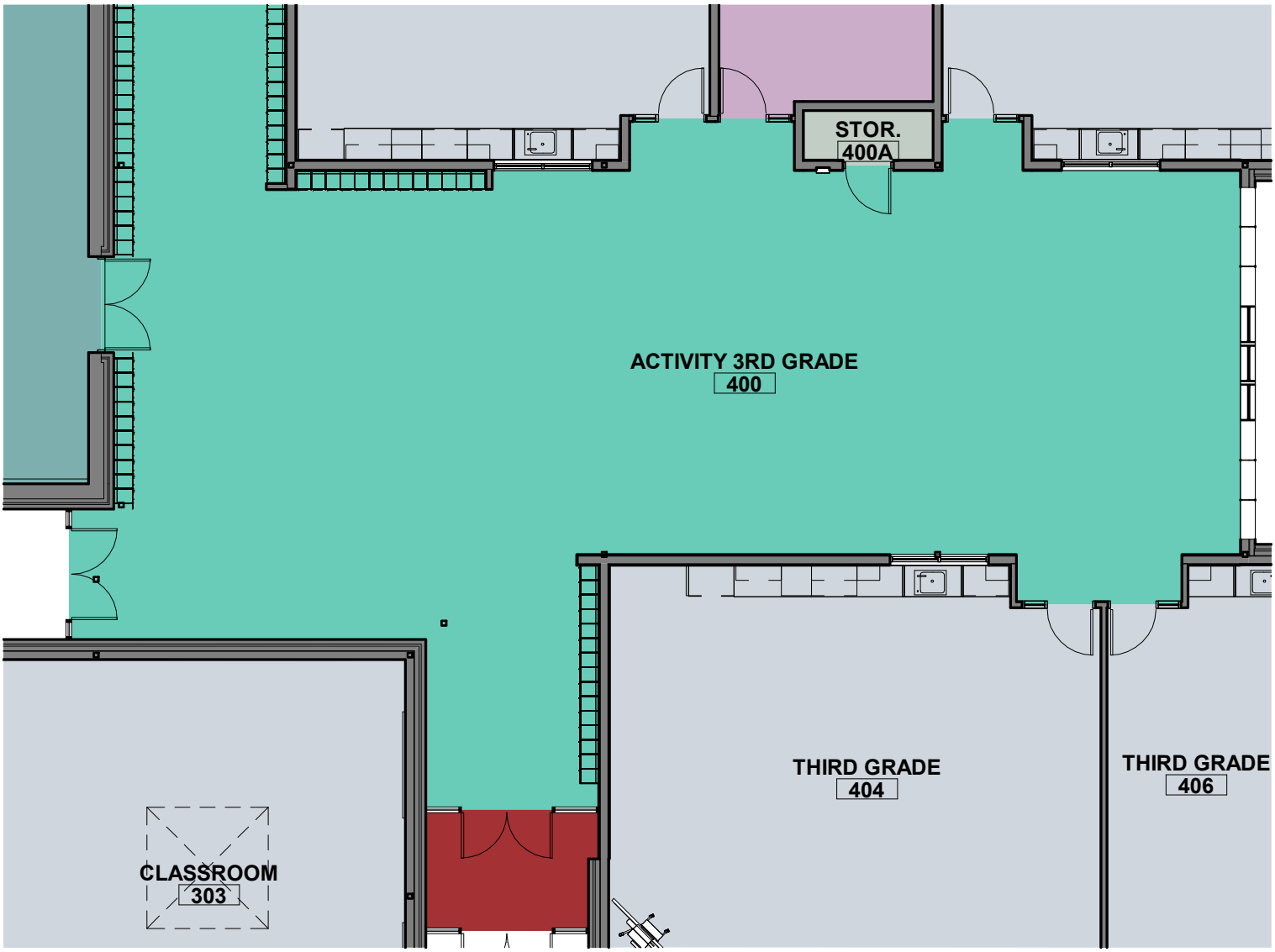
NFPA Sprinkler System

Technology

Provide data to short throw projector

Security Systems

Rough in for door security & cameras



SECOND GRADE ADDITION - ACTIVITY ROOM

SCALE: 3/32" = 1'-0"