



FRUITPORT PUBLIC SCHOOLS

EDGEWOOD ELEMENTARY - 2025 BOND

JANUARY 28, 2026

Fruitport Community Schools - Edgewood Elementary Design Schedule

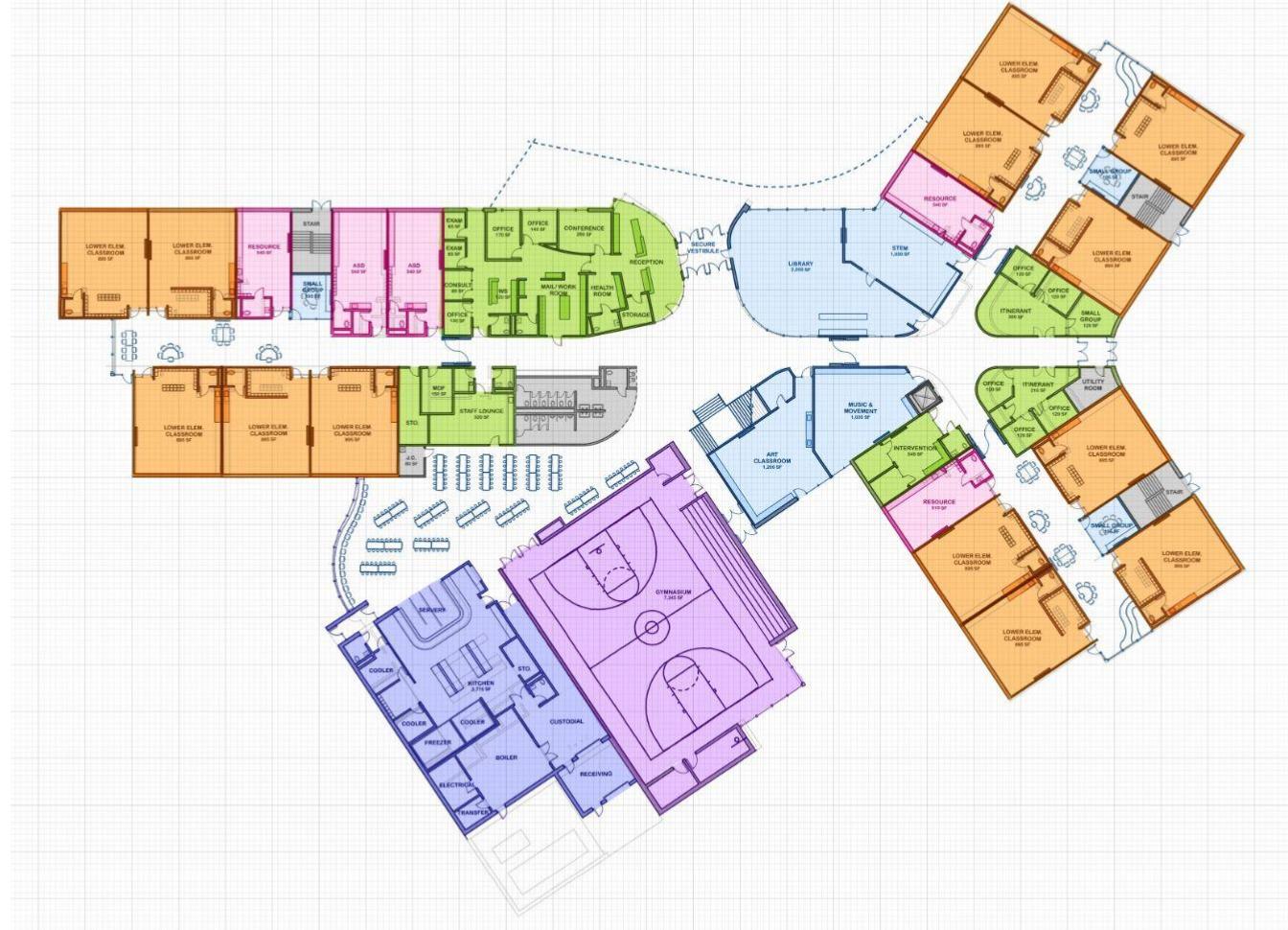
	SD Mtg #2	SD Mtg #3	SD Mtg #4	SD Mtg #5	DD Mtg #1	DD Mtg #2	DD Mtg #3	DD Mtg #4	DD Mtg #5
TIME / DATE	January 07	January 28	February 11	March 04	March 25	April 15	May 06	May 13	May 27
7:00 AM									
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10:00 AM	Specials - Gym					Specials - Gym			
10:30 AM	Media Center		Site	Building Ext./Massing		Media Center	Site		
11:00 AM	Administration					Administration			
11:30 AM	Lunch	Lunch	Lunch			Lunch	Lunch		
12:00 PM	Itinerant Staff	Technology	Building Operations			Itinerant Staff	Technology		
12:30 PM	Special Education	Mechanical	Next Steps			Special Education	Mechanical		
1:00 PM						Playgorunds	Building Operations		
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2:00 PM					Next Steps	Next Steps			
2:30 PM	Cust./Maint.	Electrical				Next Steps	Next Steps		
3:00 PM						Next Steps	Next Steps		
3:30 PM	Next Steps	Next Steps							

DESIGN

AGENDA

01

FLOOR PLAN



FLOOR PLAN - MAIN FLOOR



FLOOR PLAN - SECOND FLOOR

02

Building Exterior



PRECEDENT - BUILDING EXTERIOR



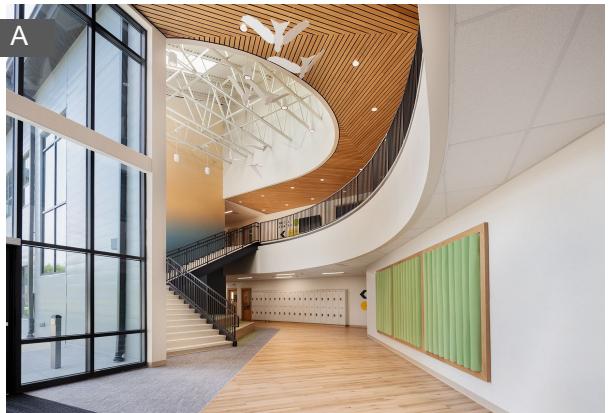
PRECEDENT - BUILDING EXTERIOR

03

Building Interior



PRECEDENT - ADMIN/STAFF



PRECEDENT - ENTRY/CORRIDORS



PRECEDENT - LEARNING SPACES/GATHERING



PRECEDENT - CLASSROOM



PRECEDENT - ART/MUSIC/STEM

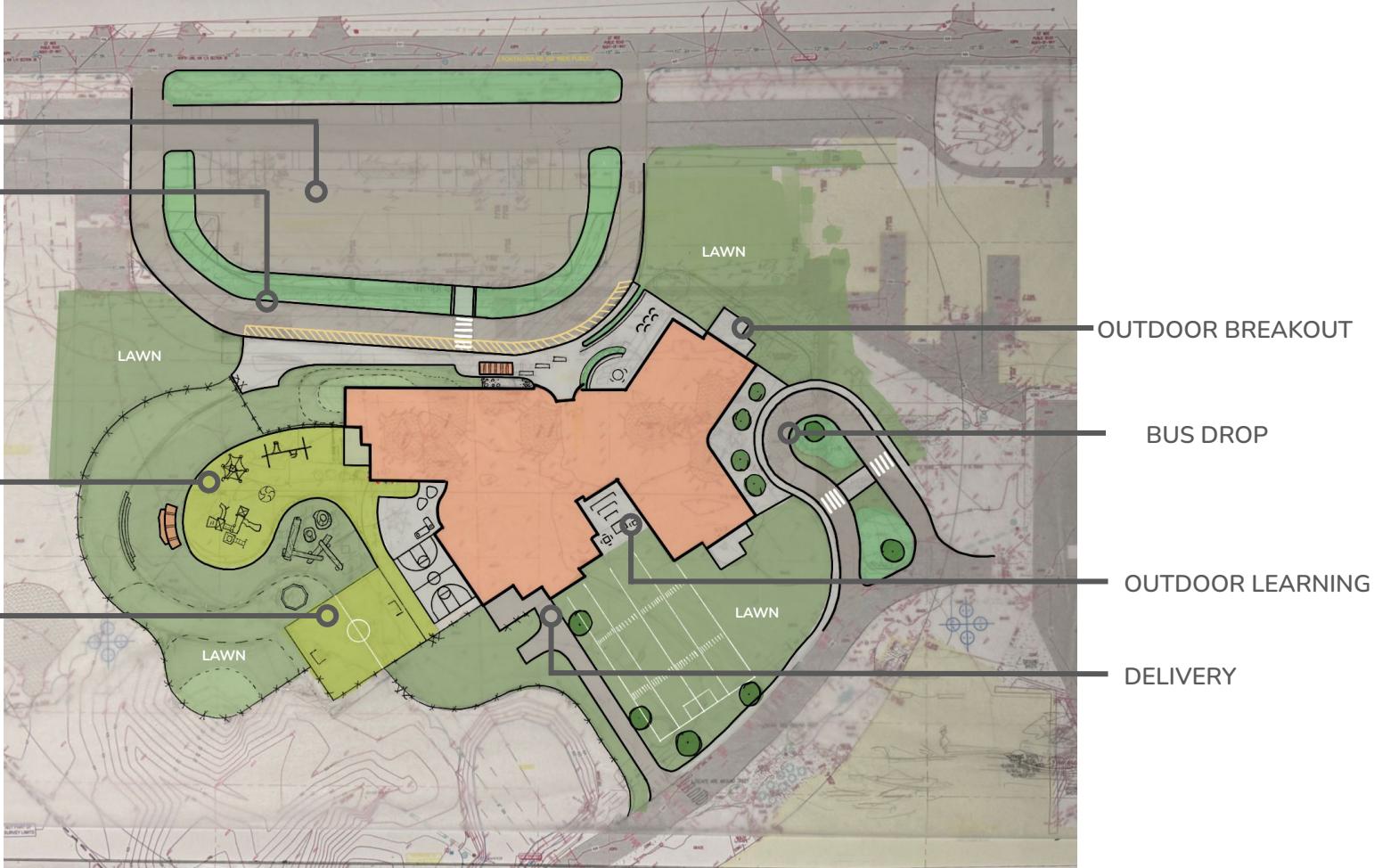


PRECEDENT - GYM & CAFETERIA

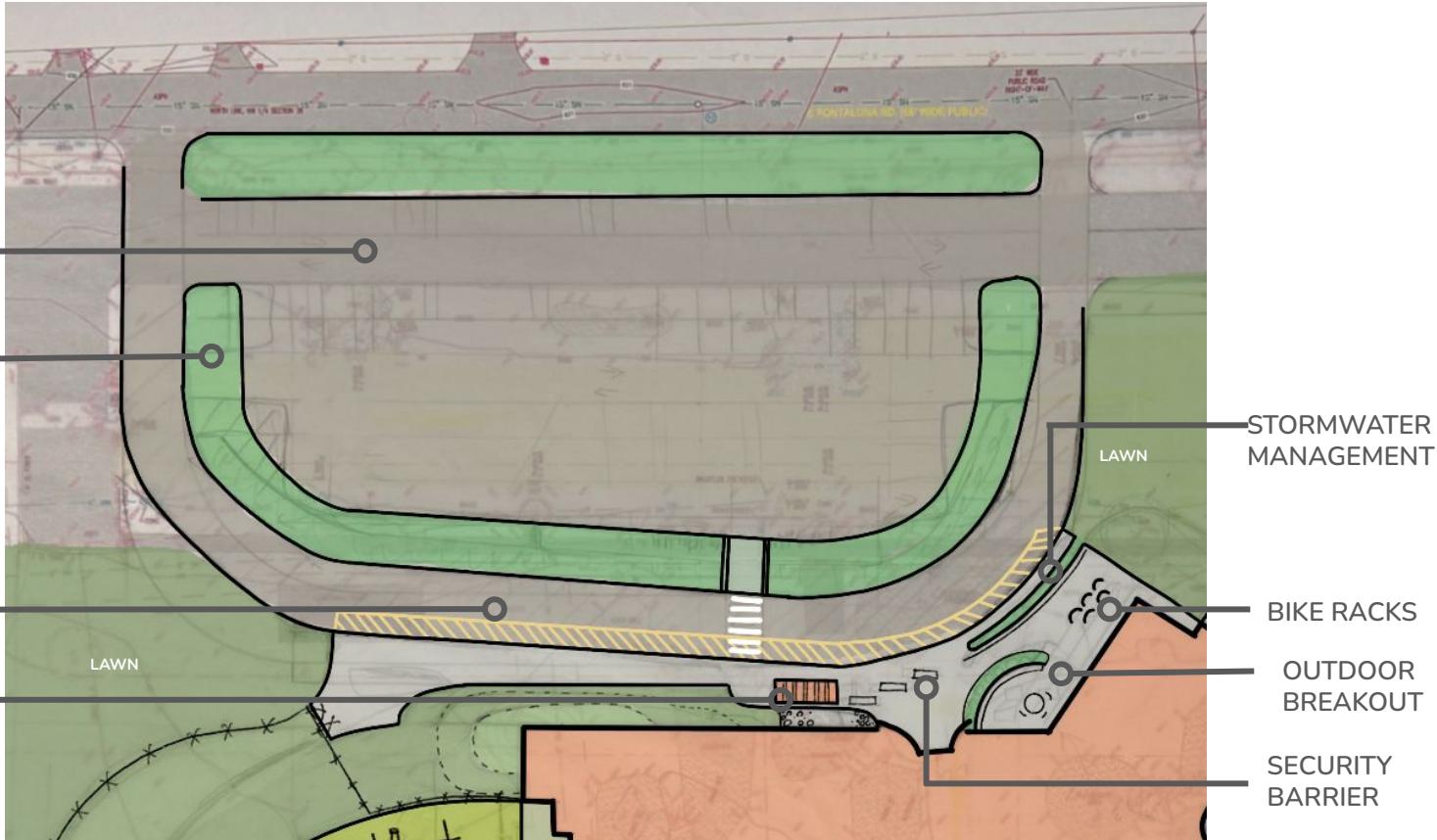


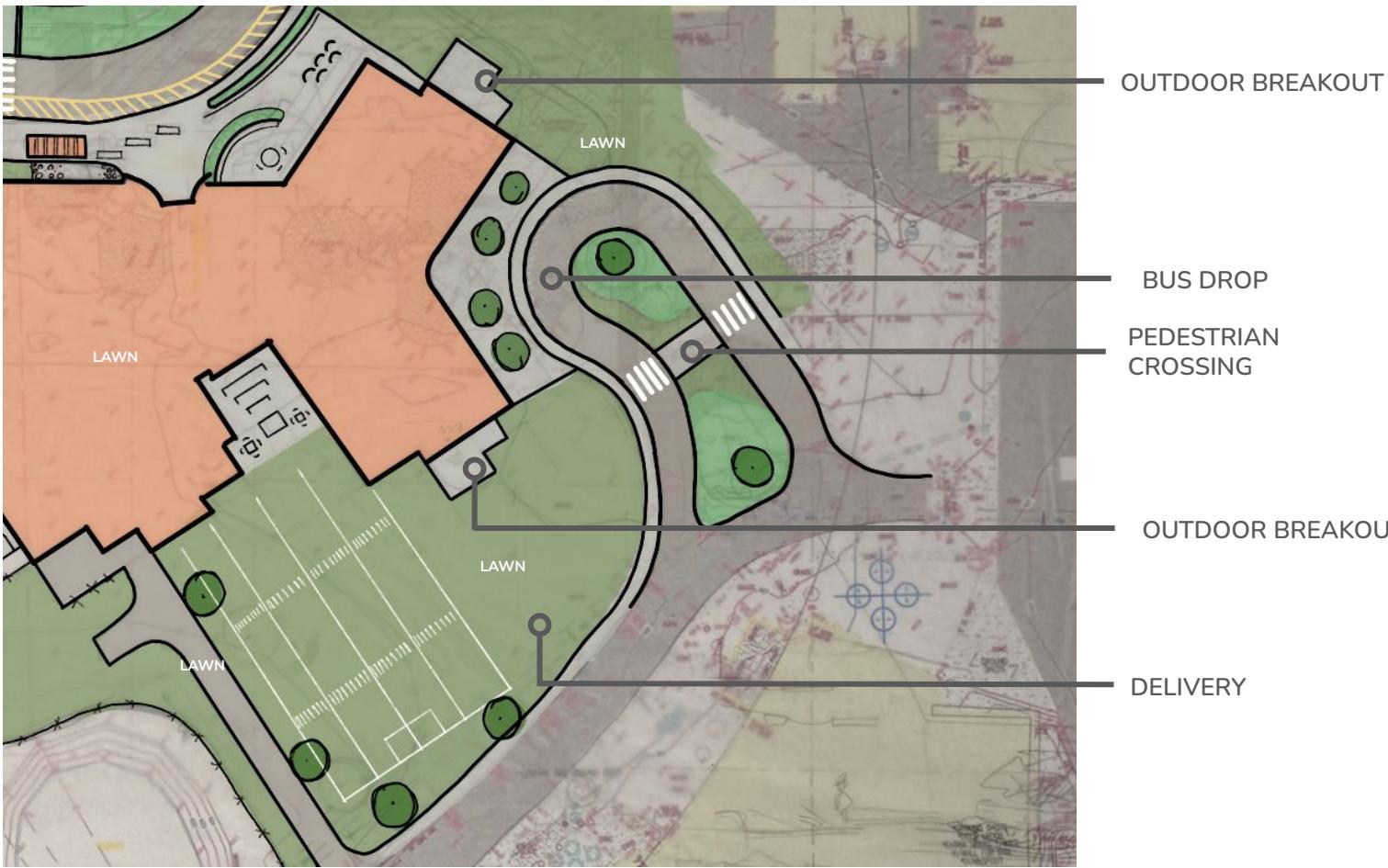
04

Site



OVERALL SITE LAYOUT

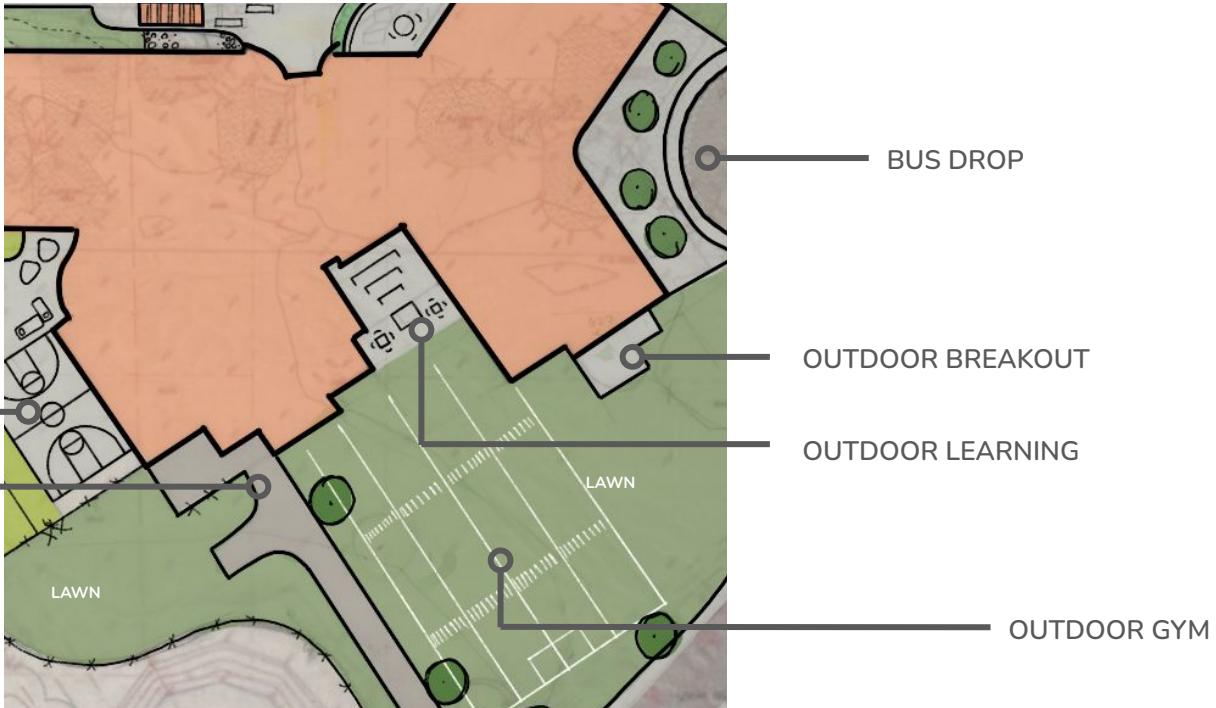




BUS DROP OFF



PLAYGROUND



OUTDOOR BREAKOUT







05

Technology



Panduit CAT6 & Fiber Cabling Infrastructure



Vertiv Liebert UPS Battery Backups

Tripp Lite Wall-Mount and Floorstanding Cabinets



INFRASTRUCTURE

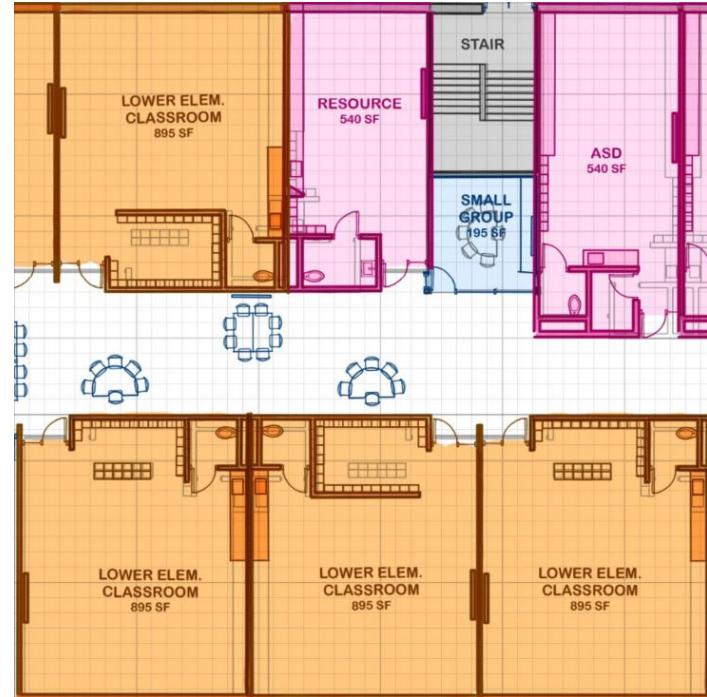
- Fiber to MDF and between each IDF
- CAT6 cabling to all devices
- Devices include:
 - Computers/Printers
 - Security Cameras
 - Wireless Access Points
 - Mitel IP Phones
 - Audio/Visual Devices
 - Electrical & Mechanical Equipment
 - Point of Sale

A/V SYSTEMS - CLASSROOMS

- Classrooms will use Audio Enhancement (AE) for voice lift
- Lightspeed will be used in classrooms as a means of two-way communication and integrate with the AE system
- All classrooms will have a Newline Interactive Display that is connected to (4) in-ceiling speakers
- Classroom AV will be controlled with a Pixie+ Controller
- Classrooms will have an Assistive Listening Device Input located at the Teacher's Station
- There will be an HDMI input at each Teacher's Station
- Each classroom will have a mobile cart, in-line with the high school

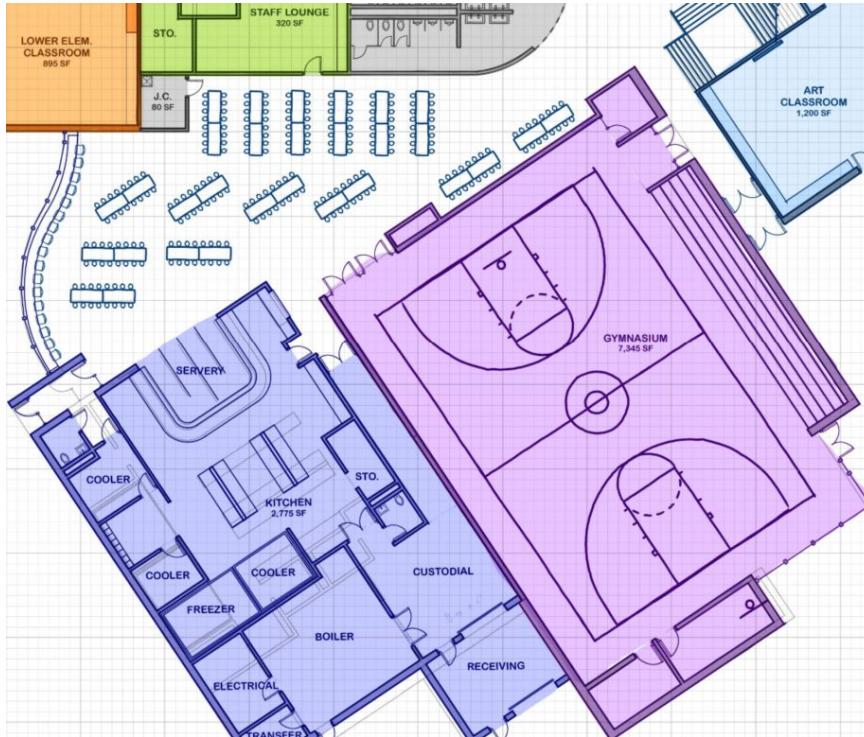
A/V SYSTEMS - CORRIDORS & DIGITAL SIGNAGE

- AE will be used to stream music in-between class periods
- There will be an estimated seven (7) wall-mounted displays in the corridors with BrightSign digital signage
- Reception will also have a display with digital signage
- All Brightsign players will be tied to the access control system to allow a Lockdown image to display



A/V SYSTEMS - GYMNASIUM

- The gymnasium will be equipped with a large-scale projector and motorized screen (minimum 150")
- The projector will be mounted opposite the screen in a protective cage
- The gymnasium will have 6-8 speakers installed from the ceiling / trusses
- The system will have an HDMI input available for direct connectivity between a laptop or other HDMI source
- There will be a wireless mic system installed
- A bluetooth receiver will be installed for music playback
- All equipment will feed back to an AV wall-mounted cabinet
- All classrooms will have a Newline Interactive Display that is connected to (4) in-ceiling speakers

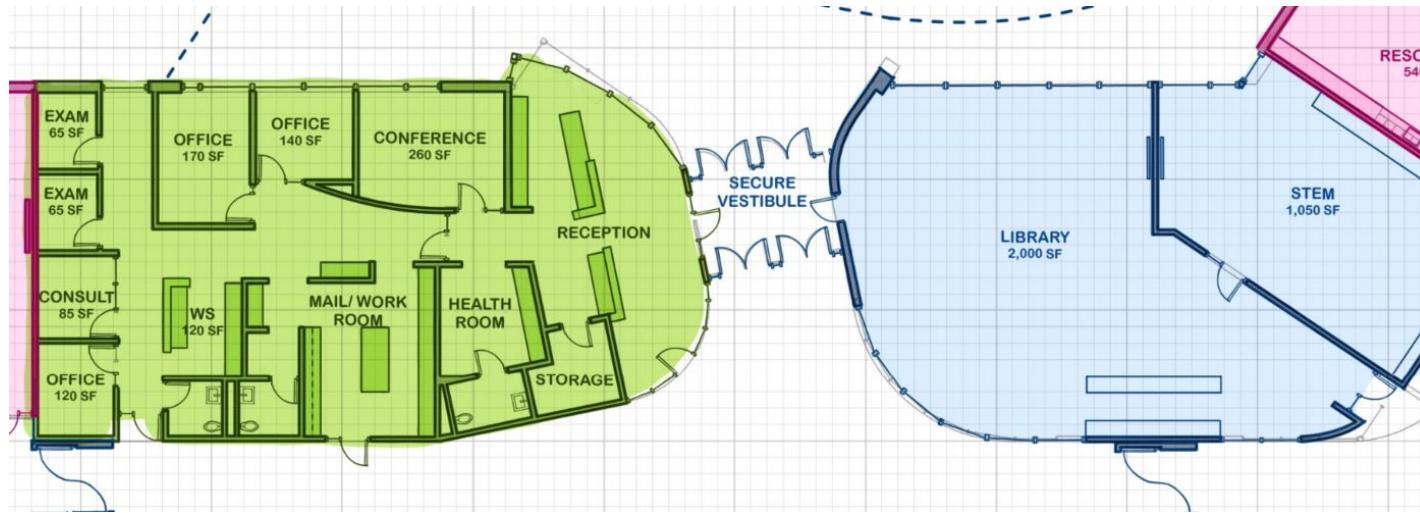


A/V SYSTEMS - CAFETERIA

- There will be an estimated three (3) wall-mounted displays in the corridors with BrightSign digital signage
- All Brightsign players will be tied to the access control system to allow a Lockdown image to display
- There will be overhead speakers in this space to stream music

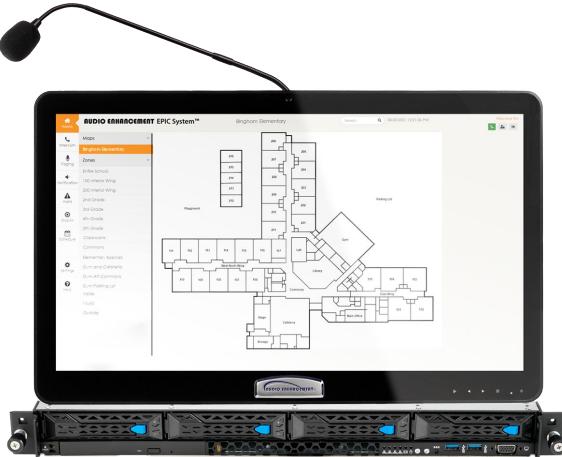
A/V SYSTEMS - CONFERENCE ROOM

- The conference room will have a 75" wall-mounted display with a soundbar / camera installed below for video conferencing
- This room will be set up as a Bring Your Own Device with Google Meet, Zoom and Microsoft Teams capabilities
- There will be an HDMI balun available at the conference table via a floorbox for direct connectivity to the display from user device
- Wireless connectivity will also be available



A/V SYSTEMS - LIBRARY

- The library will have a Newline Q Series 65" display on a mobile cart
- An HDMI cable will be provided directly at the cart



Audio Enhancement
EPIC System



Lightspeed Two-Way
Communication



Primex Clock System (TBD)

PAGING & CLOCKS

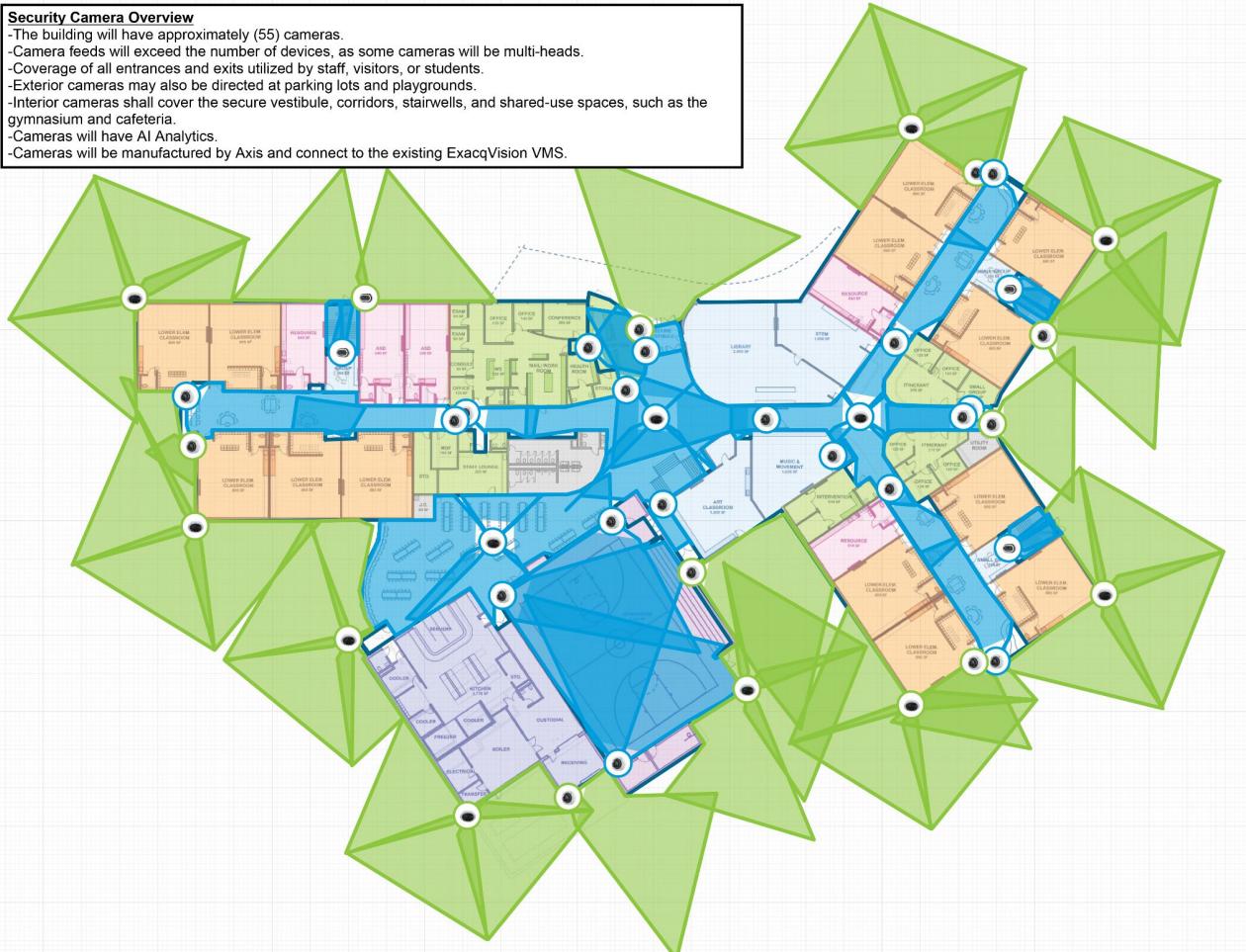
- AE will be used for paging and two-way communication in the main office
- Light speed will be used in classrooms as a means of two-way communication to the office and integrate with the AE system
- Lightspeed will be an instructor-worn device
- The clock system will be powered via POE
- All classrooms will have a digital clock
- Corridors will have digital, dual-sided clocks
- Offices, reception, the library, and other miscellaneous rooms will also have clocks installed similar to the classrooms
- The gymnasium will have a minimum of two (2) digital clocks installed with a protective cage
- Clock manufacturer is TBD



SECURE VESTIBULE & ACCESS CONTROL

Security Camera Overview

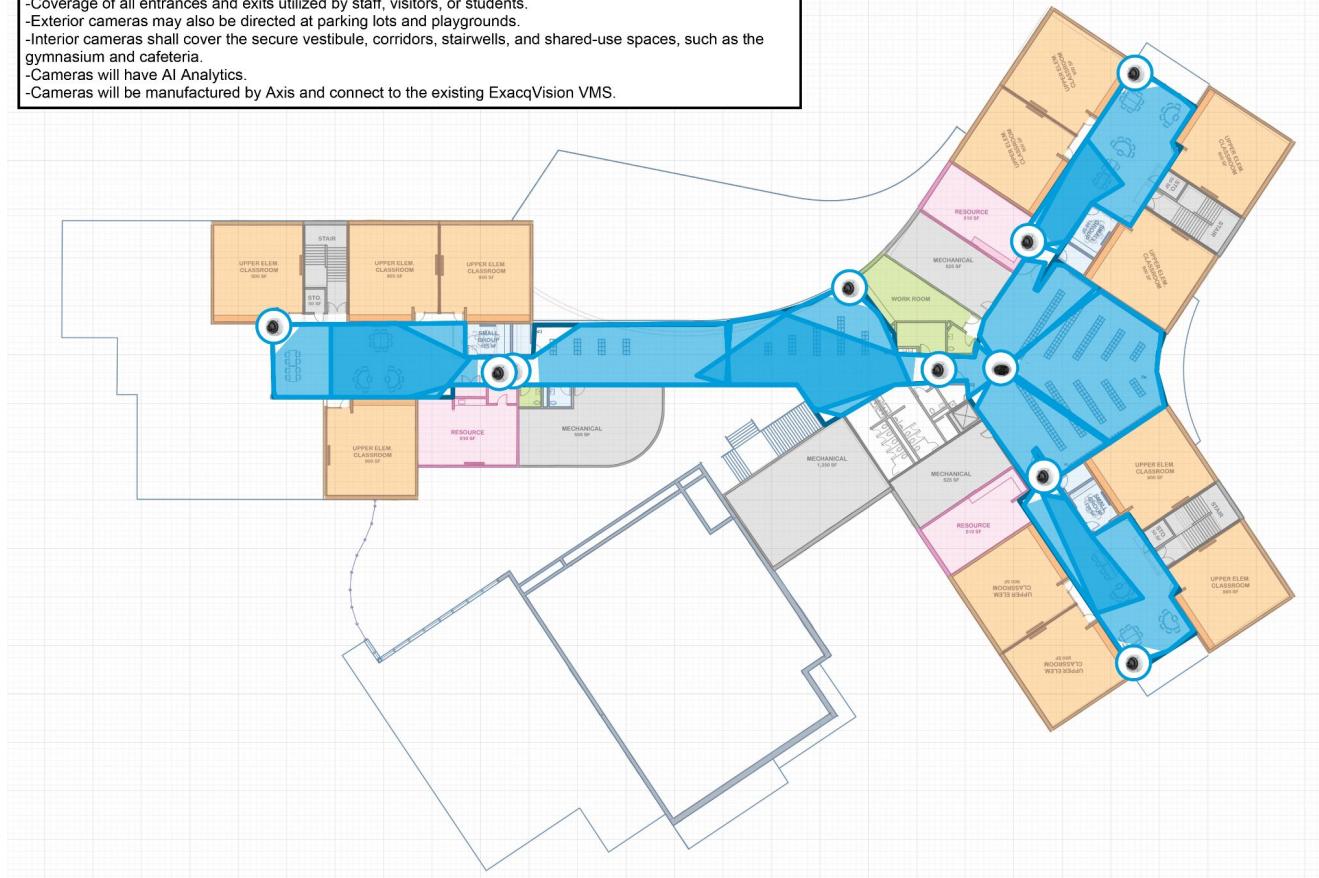
- The building will have approximately (55) cameras.
- Camera feeds will exceed the number of devices, as some cameras will be multi-heads.
- Coverage of all entrances and exits utilized by staff, visitors, or students.
- Exterior cameras may also be directed at parking lots and playgrounds.
- Interior cameras shall cover the secure vestibule, corridors, stairwells, and shared-use spaces, such as the gymnasium and cafeteria.
- Cameras will have AI Analytics.
- Cameras will be manufactured by Axis and connect to the existing ExacqVision VMS.



PRELIMINARY CAMERA COVERAGE - MAIN FLOOR

Security Camera Overview

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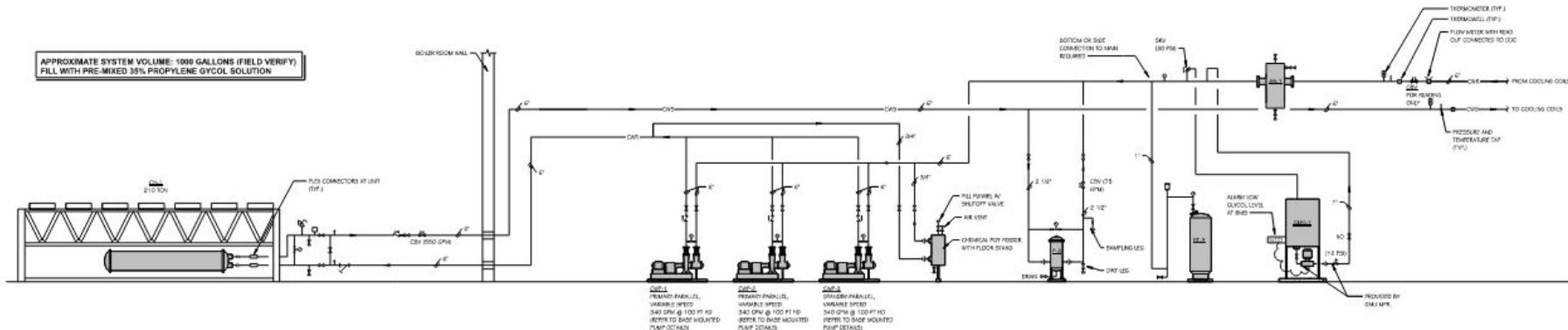


PRELIMINARY CAMERA COVERAGE - SECOND FLOOR

06

MECHANICAL

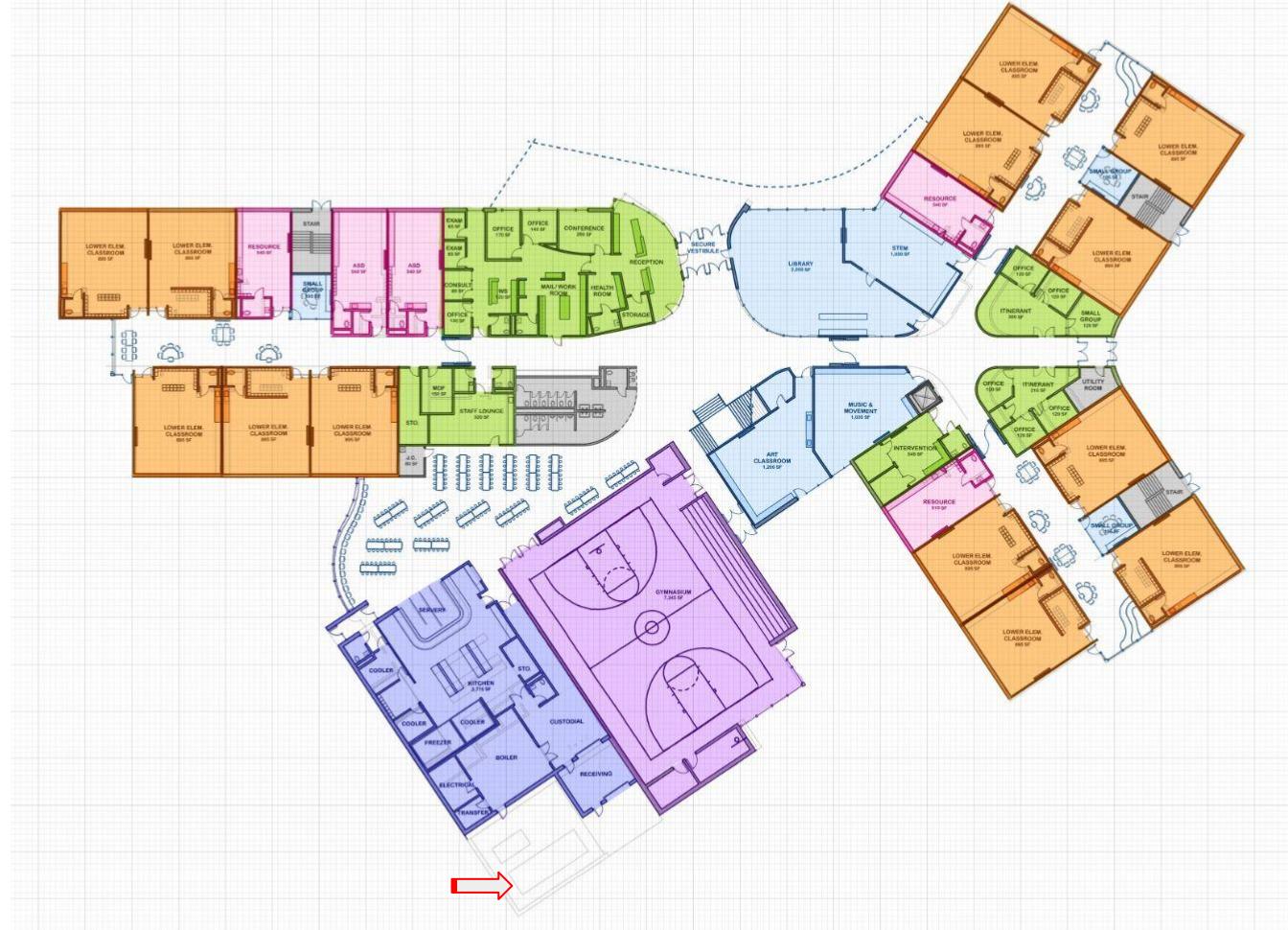
APPROXIMATE SYSTEM VOLUME: 1000 GALLONS (FIELD VERIFY)
FILL WITH PRE-MIXED 35% PROPYLENE GLYCOL SOLUTION



CHILLED WATER SYSTEM SCHEMATIC

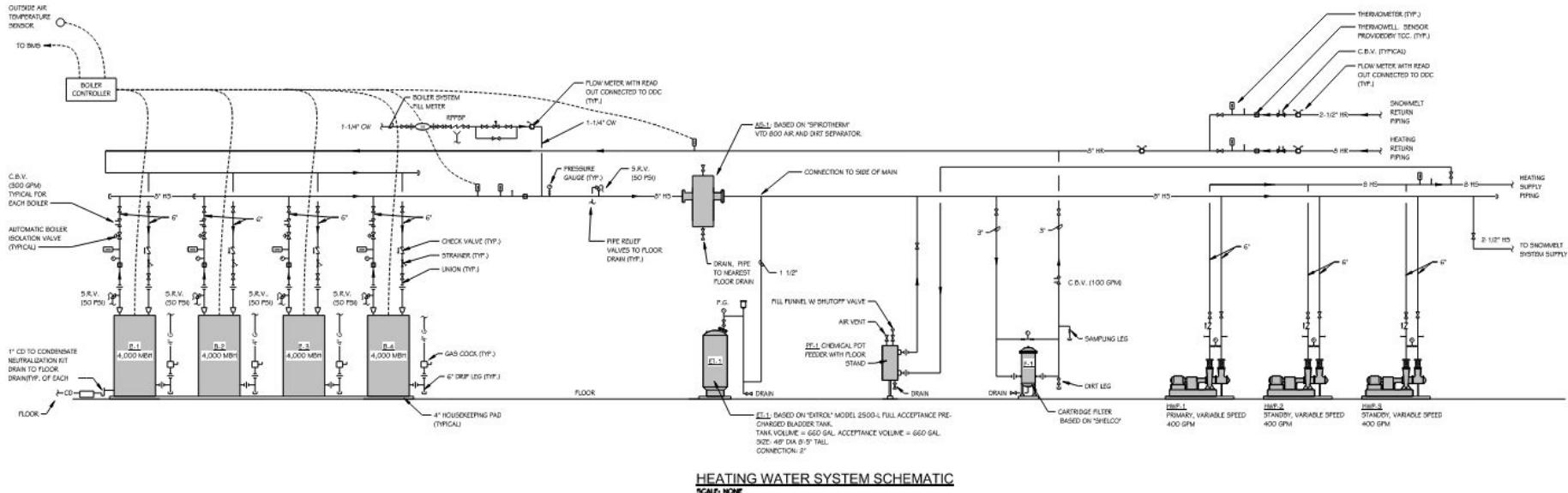
HOME, HOME

MECHANICAL - CHILLER PREFERENCE

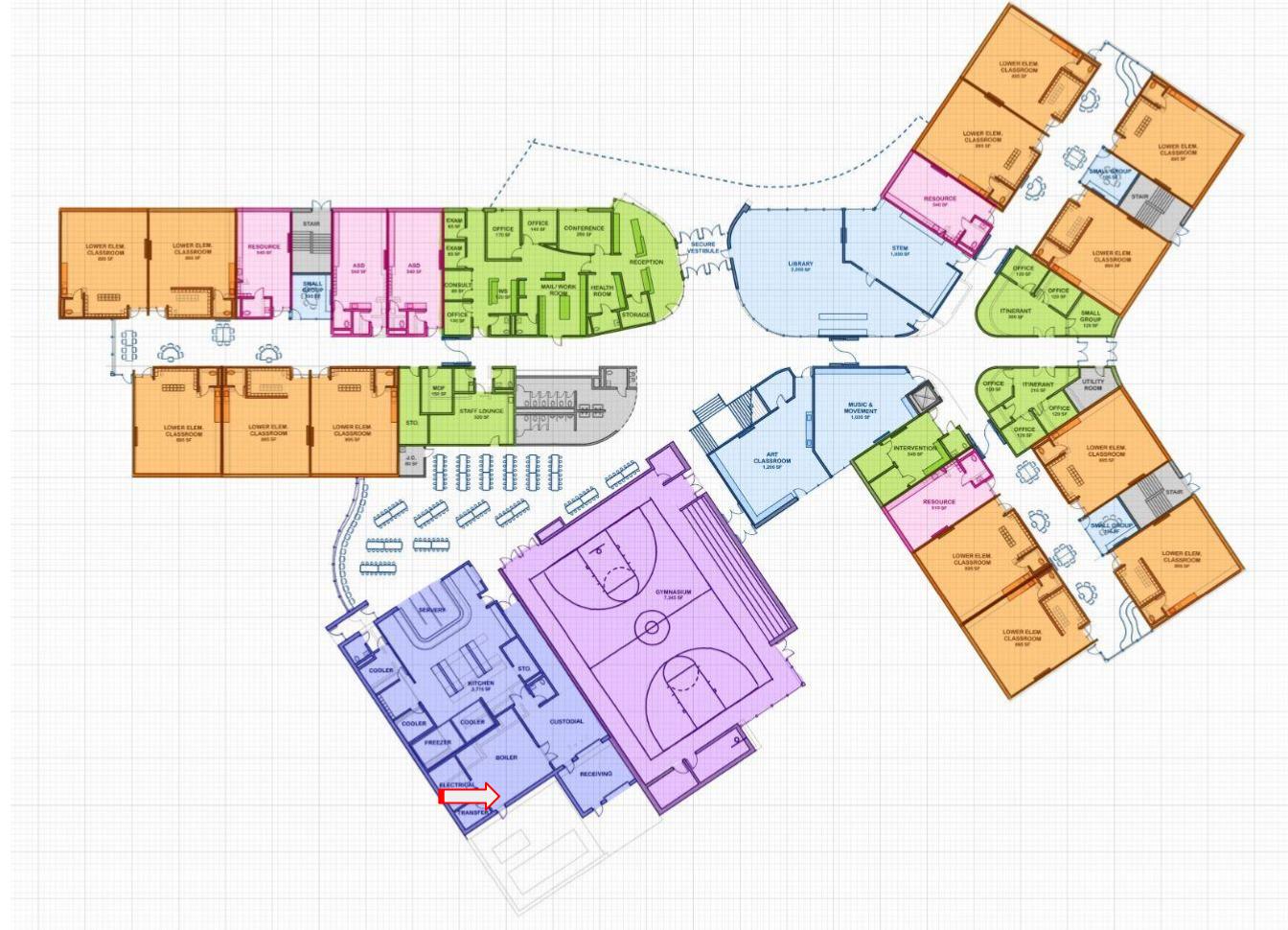


MECHANICAL - CHILLER LOCATION

- Current BMS at Highschool and Existing MS

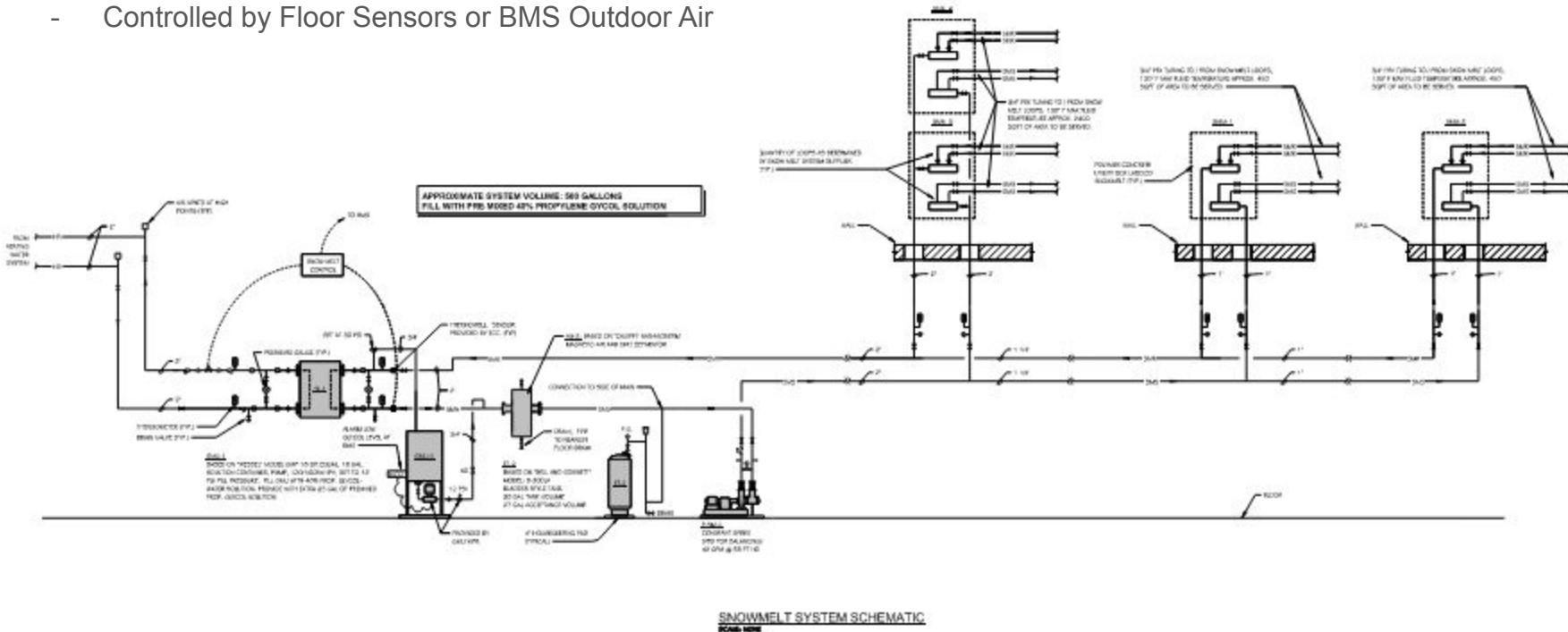


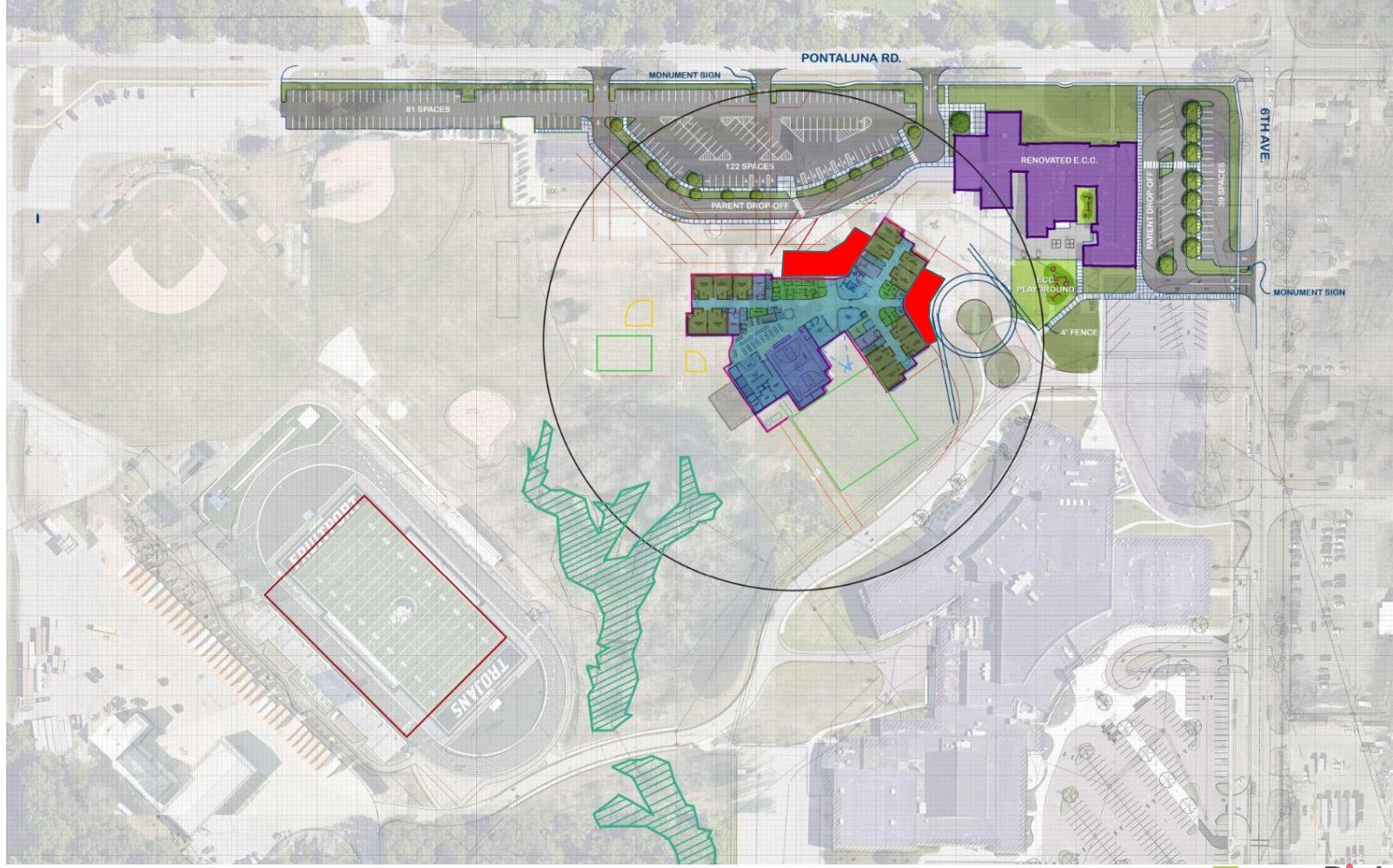
MECHANICAL - BOILER REDUNDANCY

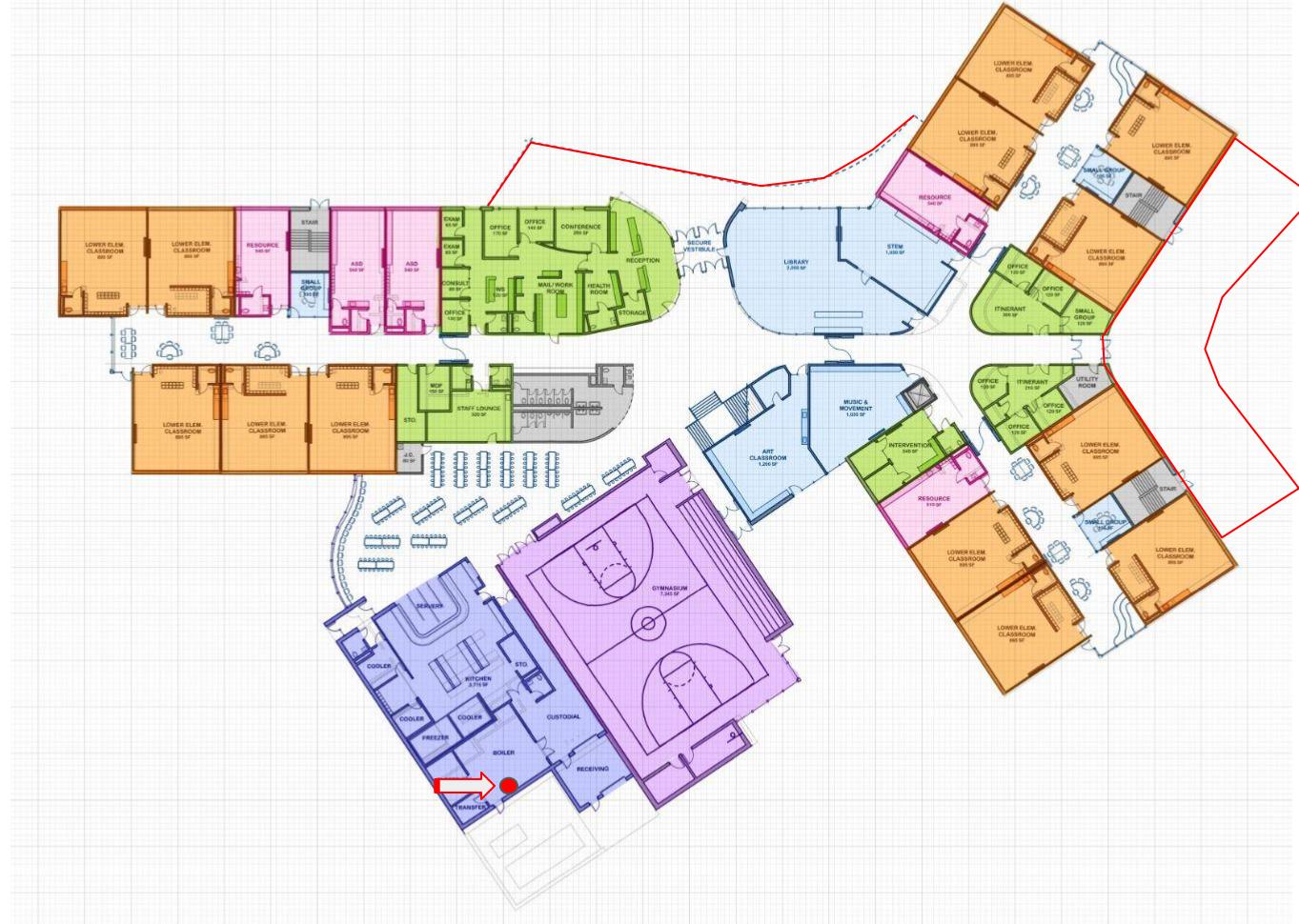


MECHANICAL - BOILER LOCATION

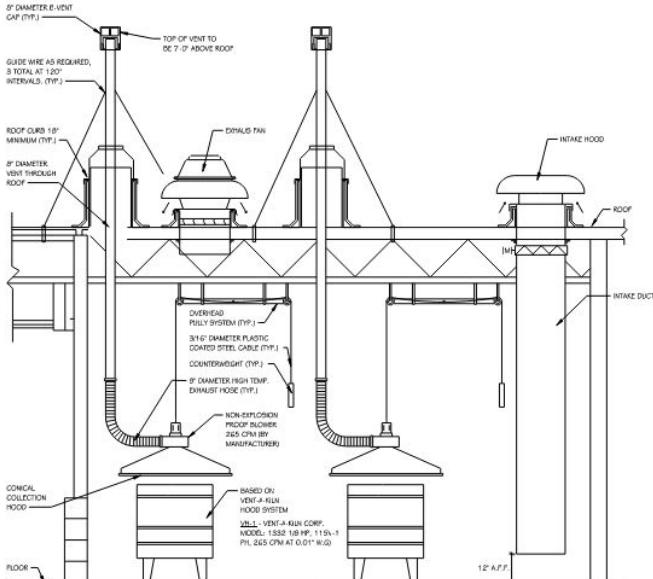
- Controlled by Floor Sensors or BMS Outdoor Air







MECHANICAL - SNOW MELT LOCATION

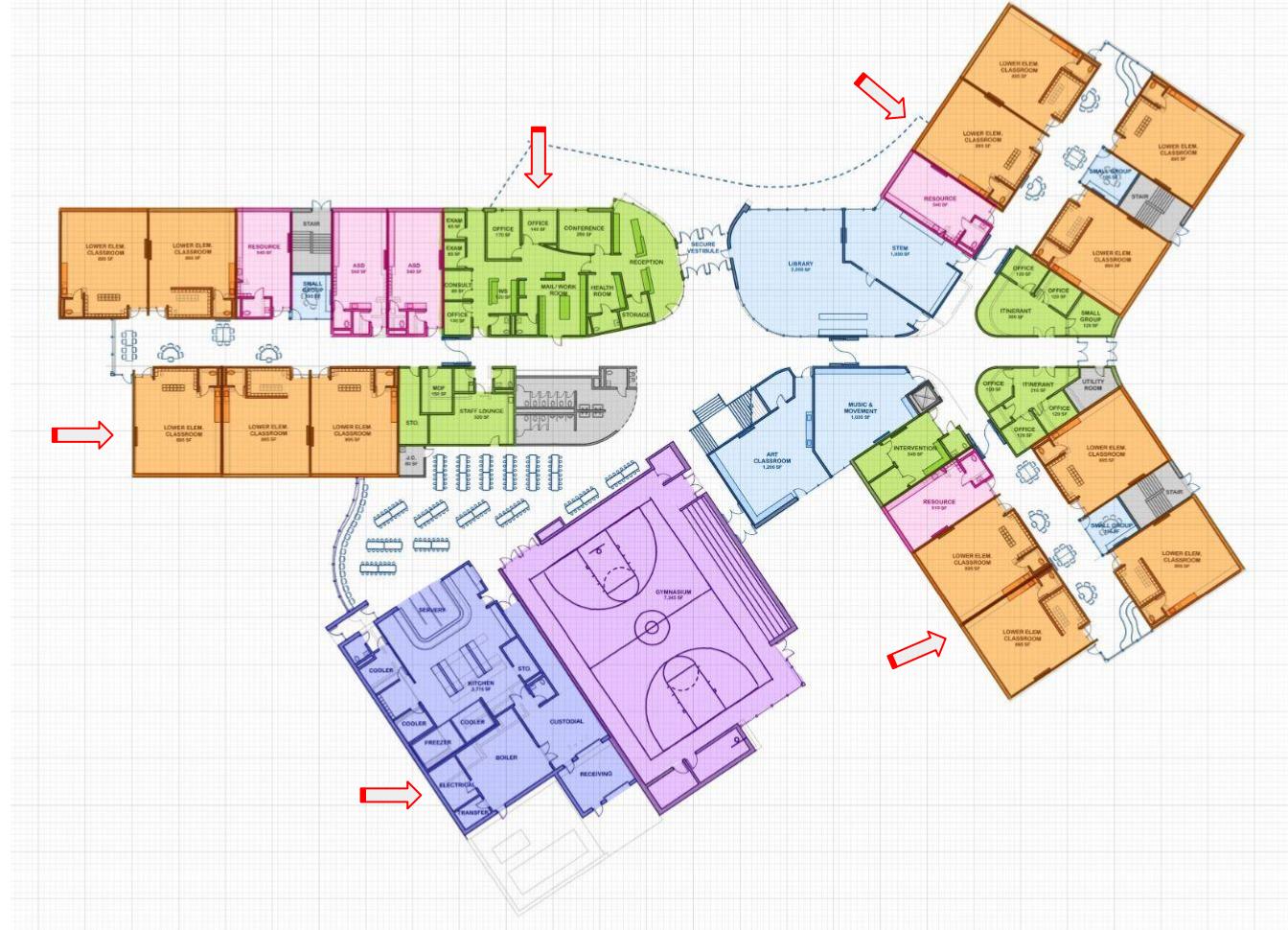


KILN HOOD VENTILATION DETAIL



07

ELECTRICAL



ELECTRICAL - MDP AND GENERATOR LOCATION / PANELS IN EACH WING/
MAIN FIRE ALARM PANEL IN THE OFFICE

ELECTRICAL MANUFACTURERS REVIEW:

- Electrical Switchgear and Panel Manufacturer
- Fire Alarm System
- Lighting Controls Manufacturer
- Copper vs. Aluminum

Electrical Code Review:

- ASHRAE Controlled Receptacles
- ASHRAE Metering
- Generator (Emergency and Standby)
 - Emergency - Lighting
 - Standby - Boiler, Boiler pump, cooler/freezer, MDF and IDF closets
 - Fire pump - Generator and directly to utility power

08

Building Operations

Fruitport Community Schools - Edgewood Elementary Design Schedule

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DESIGN

NEXT STEPS