

MEETING AGENDA



Meeting Date: May 4, 2023
Meeting Time: 4 PM
Project Name: Tri-county Regional Vocational Technical High School
Project Number: MP20-28
Meeting Purpose: SBC Meeting No. 24
Location: ZOOM
Meeting Link: <https://us06web.zoom.us/j/81194857772?pwd=a2hmTWhhRUhqZERCZEHZODIqREE3dz09>
Meeting ID: 811 9485 7772
One Tab Mobile: 13092053325,,81194857772#,,,,*145209# US
Prepared By: E.Grijalva

1. Call to Order
2. Previous Topics & Approval of April 20th , 2023 Meeting Minutes
3. CM Introduction
4. Design Update
5. Next meeting/milestone dates
6. Other Topics not Reasonably Anticipated 48 hours prior to the Meeting
7. Public Comment
8. Adjourn



**SCHOOL BUILDING COMMITTEE
MEETING MINUTES**

Project: Tri-County Vocational High School
 Subject: School Building Committee Meeting No. 23
 Location: ZOOM
 Distribution: Attendees, Project File

Project No: MP20-28
 Meeting Date: 04/20/2023
 Time: 4:00 PM
 Prepared By: E. Grijalva

Present	Name	Affiliation	Present	Name	Affiliation
x	Brian Mushnick*	SBC Chair		Mike Burton	DWMP
x	Karen Maguire*	Superintendent	x	Trip Elmore	DWMP
x	Dan Haynes*	Business Admin.		Christina Dell Angelo	DWMP
x	Michael Procaccini*	Principal		Mike Cox	DWMP
x	Jonathon Dowse*	SBC Member	x	Rachel Rincon	DWMP
x	Brendan Bowen*	SBC Member	x	Elias Grijalva	DWMP
	Stanley Widak Jr.*	SBC/SC Member		Charlie Lyons	DWMP
x	Harry Takesian*	Facilities		Aidan Place	DWMP
x	Jane Hardin*	SBC Member	x	Carl Franceschi	DRA
x	Bob Foley*	Adult Ed. Dir	x	Vladimir Lyubetsky	DRA
	Lloyd "Gus" Brown*	Bldg. CM.		Sara Carda	DRA
x	Chris Romano	Public	x	Kristy Lyons	Consigli
x	Sherri Minch	Public	x	Ray Vincent	Sub-Consultant
			x	Wayne Mattson	Sub Consultant

Item No.	Description	Action
23.1	<p>Call to order: 4:05 PM meeting was called to order by SBC Chair B. Mushnick with <u>9</u> of 11 voting members in attendance.</p> <ul style="list-style-type: none"> Jonathan Dowse & Brendan Bowen joined in late. 	Record
23.2	<p>Previous Topics & Approval of March 23rd, of 2023, Meeting Minutes: A motion to approve the <u>March 23rd, 2023</u>, meeting minutes as submitted was made by <u>H. Takesian</u> and seconded by <u>B. Bowen</u>.</p> <p>Discussion: K. Maguire notes a change needs to be made to the attendance list. R. Rincon will make the correction.</p> <p>Roll Call Vote: K. Maguire (Y), J. Hardin(Y), B. Mushnick (Y), M. Procaccini (Y), D. Haynes (Y), H. Takesian (Y), B. Bowen (Y), B. Foley (Y),</p> <p>Abstentions: None</p> <p>Motion passes, to approve March 23rd, 2023, meeting minutes with changes.</p>	Record
23.3	<p>Invoices and Commitments for Approval: B. Mushnick calls for a motion to approve DWMP Invoice No. 017</p> <p>Invoice 1: DWMP March Invoice No. 017, in the amount of <u>\$15,000.00</u></p> <p>A motion was made by <u>J. Hardin</u> and seconded by <u>B. Bowen</u> for the approval of DWMP Invoice No. 017</p> <p>Discussion: None.</p> <p>Roll Call Vote: K. Maguire (Y), J. Hardin(Y), B. Mushnick (Y), M. Procaccini (Y), D. Haynes (Y), H. Takesian (Y), B. Bowen (Y), B. Foley (Y),</p> <p>Abstentions: None</p> <p>Motion passes to approve DWMP Invoice No. 017 for payment.</p> <hr/> <p>B. Mushnick calls for a motion to approve DRA Invoice No. 014</p> <p>Invoice 2: DRA March Invoice No. 014, in the amount of <u>\$51,000.00</u></p> <p>A motion was made by <u>B. Foley</u> and seconded by <u>B. Bowen</u> for the approval of DRA Invoice No. 014</p> <p>Discussion:</p>	Record

B. Mushnick asks for clarification on the DRA's invoice.

T. Elmore explains this invoice is for the completion of the Feasibility study and entering schematic design.

Roll Call Vote: K. Maguire (Y), J. Hardin(Y), B. Mushnick (Y), M. Procaccini (Y), D. Haynes (Y), B. Bowen (Y), B. Foley (Y)

Abstentions: None

*H. Takesian did not participate in this roll call vote. Experienced Technical difficulties

Motion passes to approve DRA Invoice No.014 for payment.

B. Mushnick calls for a motion to approve DRA Professional Service for Amendment No. 03 – Wetland Survey; Invoice No. 0004

Invoice 3: DRA Professional Service Invoice No. 004, in the amount of \$1,980.00

A motion was made by J. Hardin and seconded by K. Maguire for the approval of DRA Professional Service Invoice No. 004

Discussion:

K. Maguire asks if this invoice is related to the discovery of the suspicious plants.

V. Lyubetsky responds that this invoice is related to surveying the solar fields.

T. Elmore explains this is an additional service. We agreed to this change order earlier in the spring with the acceptance of the new building option, we needed to get a survey of the proposed site location.

Roll Call Vote K. Maguire (Y), J. Hardin(Y), B. Mushnick (Y), M. Procaccini (Y), D. Haynes (Y), B. Bowen (Y), B. Foley (Y), J. Dowse (Y), H. Takesian (Y)

Abstentions: None

Motion passes to approve DRA Professional Service Invoice No. 003 for payment.

B. Mushnick calls for a motion to approve DRA Professional Service for Amendment No. 04; Invoice No. 001

Invoice 3: DRA Professional Service Invoice No. 001, in the amount of \$3,850.00

	<p>A motion was made by <u>J. Dowse</u> and seconded by <u>H. Takesian</u> for the approval of DRA Professional Service Invoice No. 001</p> <p>Discussion: None.</p> <p>Roll Call Vote: K. Maguire (Y), J. Hardin(Y), B. Mushnick (Y), M. Procaccini (Y), D. Haynes (Y), B. Bowen (Y), B. Foley (Y), J. Dowse (Y), H. Takesian (Y)</p> <p>Abstentions: None</p> <p>Motion passes to approve DRA Professional Service Invoice No. 001 for payment.</p>	
23.4	<p>CM Introduction</p> <p>K. Lyons introduces herself and reviews slides that highlight Consigli’s approach to the project and provides a high-level overview of the CM interview presentation.</p> <ul style="list-style-type: none"> • Organizational Chart <ul style="list-style-type: none"> ○ Jeff Neven -Project executive ○ Steve Johnson – Project Manager ○ Rocco Yuku – Project Superintendent ○ Kristy Lyon – Senior Pre-Construction Manager • A Local Partner <ul style="list-style-type: none"> ○ Headquarters located in Milford, Massachusetts ○ Storage/Maintenance yard – Material Storage ○ Pre-Fabrication Facility • Pre-Construction Timeline <ul style="list-style-type: none"> ○ Kickoff & Partnering – March 2023 ○ Schematic Design – June 2023 ○ Securing the Vote - July 2023-October 2023 ○ Design Development - November 2023-February 2024 ○ Sitework/Utilities/Switchgear Package – April 2024-May 2024 ○ 60% Construction Documents – March 2024-June 2024 ○ 90% Construction Documents – July 2024–September 2024 ○ Final GMP Package – October 2024-January 2025 • Securing the Vote – October <ul style="list-style-type: none"> ○ Consigli has helped secure the “YES” votes in 11 communities ○ Promotional Video ○ Leveraging Consigli Employees ○ Community Outreach & Engagement • Procurement Plan <ul style="list-style-type: none"> ○ Detailed procurement plan – highlights key trades. ○ Subcontractors Open-House ○ Private Subcontractor outreach for trade bids ○ Site, Utilities, switchgear early release packages 	Record

	<ul style="list-style-type: none"> ○ Increase second-tier subcontractor coverage ○ Pre-purchase M/E/P equipment ● Schedule Options Analysis <ul style="list-style-type: none"> ○ RFP ○ Accelerated ○ Fast-Track ● Neighborhood Mitigation Plan <ul style="list-style-type: none"> ○ Analysis of neighborhood <ul style="list-style-type: none"> ▪ High Impact <ul style="list-style-type: none"> ● Noise - No early morning construction to start - Echo Barrier Sound Paneling along fence ● Dust - On-site water trucks to mitigate dust Seismic - Vibration monitoring stations throughout site ▪ Moderate Impact <ul style="list-style-type: none"> ● Truck traffic - No early morning deliveries, Police details and spotters at risk areas, Mandatory trucking route for all subcontractors ● Dust – Street sweeping Tri-County and Pond Street ▪ Low Impact <ul style="list-style-type: none"> ● Vibration monitoring stations throughout ▪ Communication <ul style="list-style-type: none"> ● Weekly updates sent to Town for abutter/community distribution ● Sitework & Foundations <ul style="list-style-type: none"> ○ Logistics plan - separation of active school traffic vs construction traffic ● Learning School <ul style="list-style-type: none"> ○ Engaging students, through the design and construction of the building ● Student Engagement <ul style="list-style-type: none"> ○ Internships ○ Panels/Q&A ○ Education Program ○ Mentoring – hard hat tours on the job site <p>Discussion:</p> <p>B. Mushnick asks whom do we contact to start working on our public outreach while we work on the schematic design?</p> <p>K. Lyons responds I'll be working with Christina Del Angelo to make those connections, but I will be fully engaged in that process, helping to facilitate all the community outreach.</p>	
23.5	Design Update	Record

W. Mattson from Griffith & Vary, reviews the HVAC systems, Emergency Power Systems, and Electrical systems.

1) **Variable Refrigerant Flow**

System Consists of

- Roof or Ground Mounted Heat Pump
- Ceiling Cassettes
- Concealed Fan coil Units
- Refrigeration Piping w/ Branch Controllers
- Energy Recovery Units for Ventilation

System Provides

- Simultaneous Heating & Cooling
- Individual Space Temperature Control
- Built-in Redundancy through the use of multiple compressors.

2) **Air Source & Water Source Packaged Heat Pump**

- Packaged Air Source Heat Pump: Energy efficient, provides simultaneous heating/cooling.
- Packaged Water Source Heat Pump – Geothermal energy- Extracting or rejecting heat into the ground.

B. Bowen Inquires about the following:

- Where will the wellfields go on the site?
- When will the wells go in?
- What is our energy-efficient target? LEED Target?

T. Elmore explains this is something we are addressing while we make our way to the Design Development (DD) phase, but we were thinking the upper fields over by where the maintenance barn currently is.

W. Mattson explains how we look at it by the schematic level connected loads, we are in the area between 75 to 95 tons of capacity at the geothermal handling of the media center, gymnasium, and auditorium. What we've seen in New England in the Massachusetts area, a wealth of 1000 feet is good for about seven and a half to eight tons. We're using the Reigen the HPG X system, it's basically a ground-mounted heat exchanger, standing column. So, we're looking at probably 10 wells. This is a schematic we're still working on this.

C. Franceschi mentions all these systems, are certainly considering lifecycle costs and you know, making these choices. We're trying to balance, first costs versus operating costs. And savings and energy efficiency. Obviously, that's gone into these recommendations, right?

W. Mattson Absolutely. We're required to do lifecycle costs but, just for discussion, I mean, this was done through LCCA, and we compared Chuck beams, VAV systems, Unit Ventilator, all air sources, and all geothermal. This has worked out to be a great balance.

W. Mattson explains targeting LEED silver is the goal.

K. Maguire asks two questions.

- Is silver LEED an obtainable target for us?
- What happens to the natural gas coming into the property?

W. Mattson responded that there was a discussion about the natural gas remaining in the culinary kitchen because it's a program need, not a school operating need. As far as the generator is concerned, it should be diesel fuel because of the code. Natural Gas is considered an interruptible source. I think LEED SILVER Certification is possible to obtain for this project.

3) Emergency Power System

(2) diesel fuel generators with sound-attenuated waterproof enclosures rated 800kW9 (Ea.)

- Exterior Building Mounted Lighting
- Mechanical Room and Penthouse Lighting
- Electrical room lighting
- Egress Corridors and Stairs Lighting
- IDF and MDF Lighting
- Main Office lighting
- Principal Office Lighting
- Nurse Office Lighting
- Phys Ed Office Lighting
- Elevator Machine Room
- Gymnasium lighting
- Custodians Office lighting
- Custodians receiving and general supply lighting.
- Interior windowless spaces lighting
- Elevator lighting and pit lighting
- Kitchen Lighting
- Toilet rooms lighting
- Make air unit lighting.
- Cafeteria lighting

T. Elmore, asks do we need (2) diesel generators? Is there a way to reduce the number of generators?

W. Mattson explains there are two generators because of the way the design is shaking out now, we have two 4000-amp services. So, one generator is dedicated to the

automatic transfer switch that resides, and each of those services. Now as we move through schematic design, we can be creative and find ways to remove one of the generators to alter the scope of the emergency power requirements. By code, you don't even need a generator in a building. You can do a word as you'd like and battery packs and that type of thing and battery backup. But right now, we're trying to as we're going into the estimating phase of schematic design and think that we're trying to be conservative but not extravagant. And so, this is kind of a good start for the baseline for the emerging power requirements.

T. Elmore states that's an important point that what we're trying to do is produce a reasonable, responsible basis of design. Not too big, not too small. We want to make sure that this building can function for the next 50 years. As it's intended as an educational place. And it's going to work and so we're trying to be reasonable on both things.

3) Light & Light Control

- LED lighting throughout the building
- Target for the building is .38 watts/SQ.
- Classroom will have daylight harvesting.

R. Vincent reviews fire protection and plumbing.

Fire Protection

- Fully Sprinkler Building -varied different types
- Zoned System
- Electric Motor Driven Fire Pump
 - Accessible from the outside of the building. In a room within the building with a two-hour rated wall
- Each Floor will get Control Values
- Flat Plate concealed sprinkler heads

Plumbing

- Commercial Building
- Cast Iron Sanitary & Storm Piping (existing building has Tru Spun which is prone to failure)
- Copper Hot & Cold-Water Piping
- Lead-Free
- Insulated Water and Storm Piping
- Water Pressure Booster System

Plumbing Fixtures (Lead-Free)

- Low Flow
- Water Conserving
- Vitreous China
- Wall Hung

	<ul style="list-style-type: none"> • Manual Flush Vales & Faucets • Circulated Hot Water <p>Types of Water Heating</p> <ul style="list-style-type: none"> • Storage • Tankless • Heat Pump • Solar • Tankless Coil & Indirect <p>Discussion: None</p>	
23.6	<p>Workplan Update:</p> <p>V. Lyubetski shares the updated work plan and informs the SBC of upcoming meetings.</p> <p>Working Group Meetings</p> <ul style="list-style-type: none"> • 05.04.2023 – Interior and Exterior Elevations & Materials • 05.18.2023 – Logistics Construction Phasing <p>Building Committee Meetings</p> <ul style="list-style-type: none"> • 05.04.2023 Building Committee Meeting – Interior finishes/Technology Security • 05.18.2023 Building Committee Meeting – overview of the basis of design • 06.15.2023 Building Committee Meeting – Review of Schematic Design (SD) costs • 06.21.2023 Building Committee Meeting – Decide to submit the SD to the MSBA <p>Design, Team Milestone, Meetings & Activities</p> <ul style="list-style-type: none"> • 04.24.2023 – Conservation Commission Review • 05.08.2023 – Traffic Review • 05.18.2023 – SD Cost Estimate Ready for Distribution • 05.22.2023 – DESE Submission Confirm date with MSBA. • 06.06.2023 – Draft Estimate Ready for Distribution • 06.15.2023 – Draft SD ready for distribution • 06.27.2023 – Final SD submission to MSBA <p>Discussion: None</p>	Record
23.7	<p>Other Topics not Reasonably Anticipated 48 hours to prior to the meeting: None.</p> <p>Discussion: None</p>	Record
23.8	<p>Public Comment: None.</p> <p>Discussion: None.</p>	Record

23.9	<p>Next Meeting</p> <ul style="list-style-type: none"> • 05/04/2023 – SBC Meeting No. 024 @ 4PM - Zoom • 05/18/2023 – SBC Meeting No. 025 @ 4PM – In Person • 06/15/2023 - SBC Meeting No. 026 @4PM – In-Person • 06/15/2023 – Public Community Meeting @ 6 PM – In-Person • 06/21/2023 – SBC Meeting No. 027 @4PM – In Person <p>Discussion: None</p>	Record
23.10	<p>Adjourn 5:36 PM A motion was made by <u>J. Dowse</u> and seconded by <u>H. Takesian</u> to adjourn the meeting.</p> <p>Roll Call Vote: K. Maguire (Y), B. Mushnick (Y), M. Procaccini (Y), D. Haynes (Y), B. Bowen (Y), B. Foley (Y), J. Dowse (Y), H. Takesian (Y)</p> <p>Discussion: None. All in favor, Motion Passes</p>	Record

Sincerely,

DORE + WHITTIER

Elias Grijalva

Assistant Project Manager

Cc: Attendees, File

The above is my summation of our meeting. If you have any additions and/or corrections, please contact me for incorporation into these minutes.



Tri-County Regional Vocational Technical School

SBC Meeting No. 24

May 04th, 2023



DRA



dw
DORE + WHITTIER

SBC Meeting Agenda – May 4th, 2023

1. **Call to Order**
2. **Previous Topics & Approval of April 20th, 2023, Meeting Minutes**
3. CM Introduction
4. Design Update
5. Next meeting/ milestone dates
6. Other Topics not Reasonably Anticipated 48 hours prior to the Meeting
7. Public Comment
8. Adjourn



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April 20th , 2023, Meeting Minutes for approval:

“Motion to approve the April 20th , 2023, Meeting Minutes by _____, 2nd by _____.”

SBC Vote:

- Brian Mushnick
- Karen Maguire
- Dan Haynes
- Michael Procaccini
- Jonathon Dowse
- Brendan Bowen
- Stanley Widak Jr.
- Harry Takesian
- Jane Hardin
- Bob Foley
- Lloyd “Gus” Brown

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**TRI-COUNTY REGIONAL
VOCATIONAL TECHNICAL
HIGH SCHOOL**
SBC INTRODUCTION

May 4, 2023



CONSIGLI
Est. 1905

CONSIGLI TEAM INTRODUCTION



Kristy Lyons
Senior Pre-construction Manager



Tim Ericson
Chief Estimator



Steve Johnson
Senior Project Manager



Will Feraco
Lead Superintendent



Jennifer Savoie
Senior Purchaser

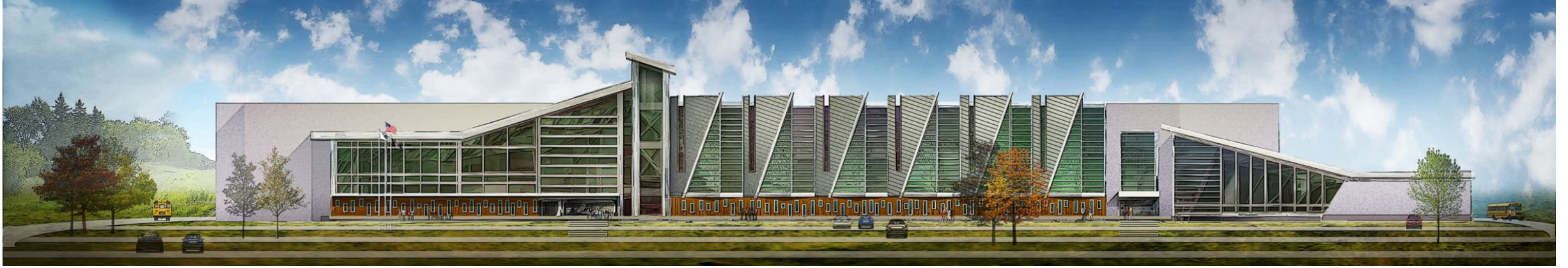
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DRA

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DORE + WHITTIER



Tri-County
Regional Vocational Technical School SBC Meeting
May 4, 2023



Lobby and Common Spaces

Flooring - Terrazzo



Custom Terrazzo samples

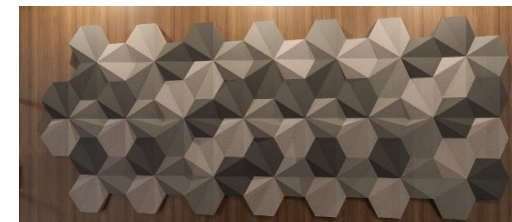


Lobby and Common Spaces

Walls - Thin Porcelain Tile and Acoustical Panels



Thin Porcelain Tile



Fabric Wrap Acoustical
Panels

Media Center- Learning Common

Wall and Flooring- Carpet, Acoustical Panels and Wood



Corridors

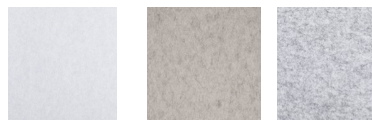
Walls-Ceramic Tile, Paint, Lockers and Acoustical Panels



Ceramic Tile



Lockers

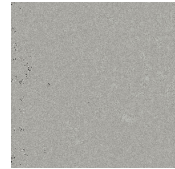


Acoustical Panels



Corridors

Floors-Rubber Tile, Flotex and Linoleum



Rubber
Tile



Flotex



Linoleum



Break Out/ Collaboration Spaces

Custom Art Walls, Projection Walls- Variety of Seating



Classrooms

Materials



Paints



Linoleum

Gymnasium

Materials- Gym Pads, Bleachers and Gym Curtain



Various colors for
Gym Curtain



Various colors for
Wall Pads



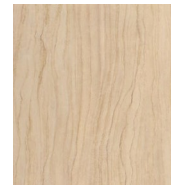
Various colors for
Wall Bleacher

Cosmetology

Flooring-LVT wood looking material

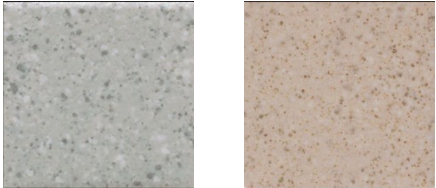


Variety of Wood
Selections



Restrooms

Wall and Flooring-Ceramic Tile



Ceramic Floor Tile



Ceramic Wall Tile

Shops Materials

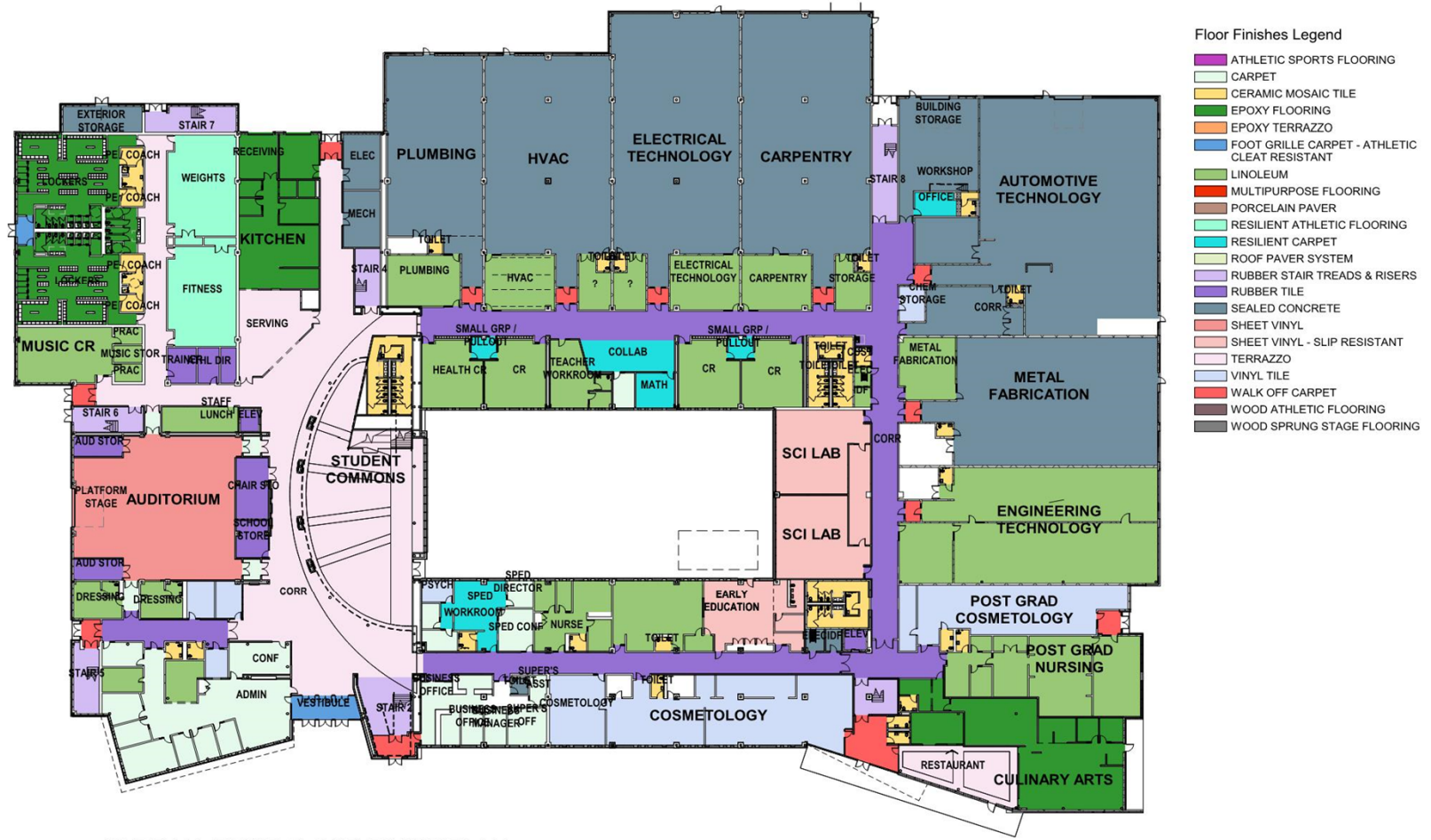


Painted Walls

Accent Paints
on Ducts

Sealed
Concrete



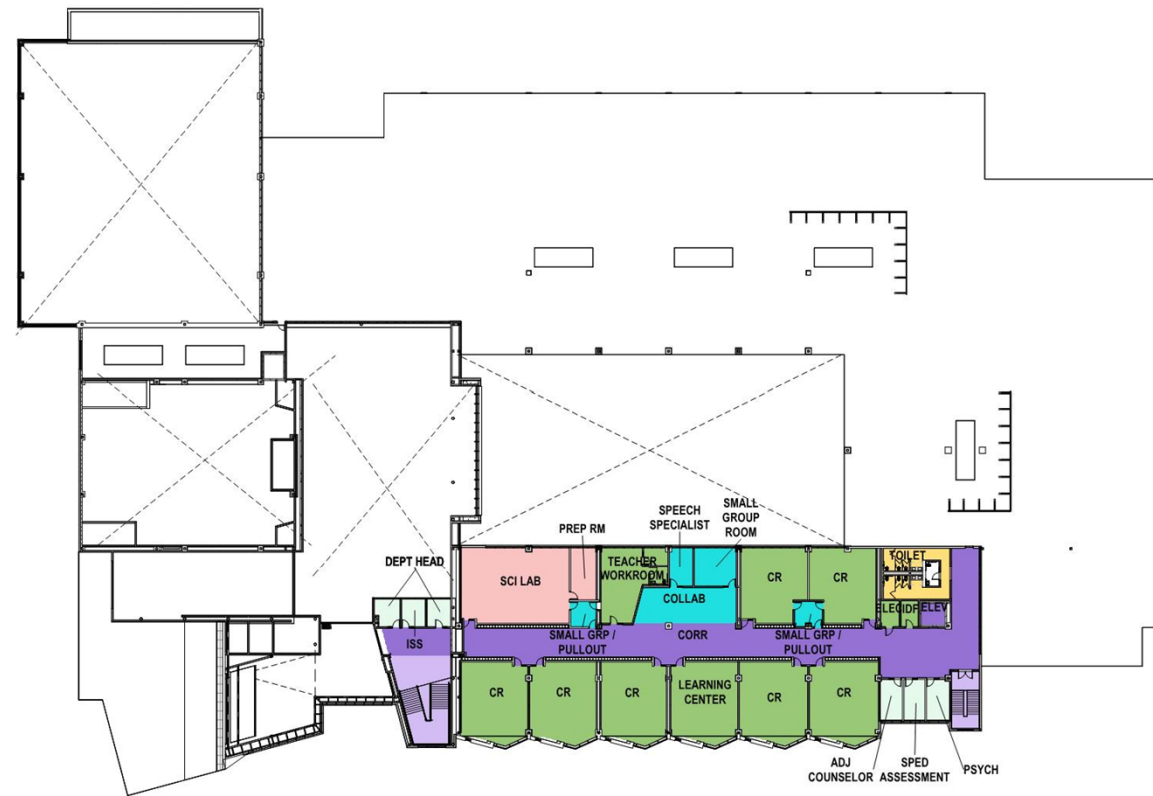


OVERALL FIRST FLOOR FINISH PLAN



- Floor Finishes Legend**
- ATHLETIC SPORTS FLOORING
 - CARPET
 - CERAMIC MOSAIC TILE
 - EPOXY FLOORING
 - EPOXY TERRAZZO
 - FOOT GRILLE CARPET - ATHLETIC CLEAT RESISTANT
 - LINOLEUM
 - MULTIPURPOSE FLOORING
 - PORCELAIN PAVER
 - RESILIENT ATHLETIC FLOORING
 - RESILIENT CARPET
 - ROOF PAVER SYSTEM
 - RUBBER STAIR TREADS & RISERS
 - RUBBER TILE
 - SEALED CONCRETE
 - SHEET VINYL
 - SHEET VINYL - SLIP RESISTANT
 - TERRAZZO
 - VINYL TILE
 - WALK OFF CARPET
 - WOOD ATHLETIC FLOORING
 - WOOD SPRUNG STAGE FLOORING

OVERALL SECOND FLOOR PLAN



- Floor Finishes Legend**
- ATHLETIC SPORTS FLOORING
 - CARPET
 - CERAMIC MOSAIC TILE
 - EPOXY FLOORING
 - EPOXY TERRAZZO
 - FOOT GRILLE CARPET - ATHLETIC CLEAT RESISTANT
 - LINOLEUM
 - MULTIPURPOSE FLOORING
 - PORCELAIN PAVER
 - RESILIENT ATHLETIC FLOORING
 - RESILIENT CARPET
 - ROOF PAVER SYSTEM
 - RUBBER STAIR TREADS & RISERS
 - RUBBER TILE
 - SEALED CONCRETE
 - SHEET VINYL
 - SHEET VINYL - SLIP RESISTANT
 - TERRAZZO
 - VINYL TILE
 - WALK OFF CARPET
 - WOOD ATHLETIC FLOORING
 - WOOD SPRUNG STAGE FLOORING

OVERALL THIRD FLOOR PLAN



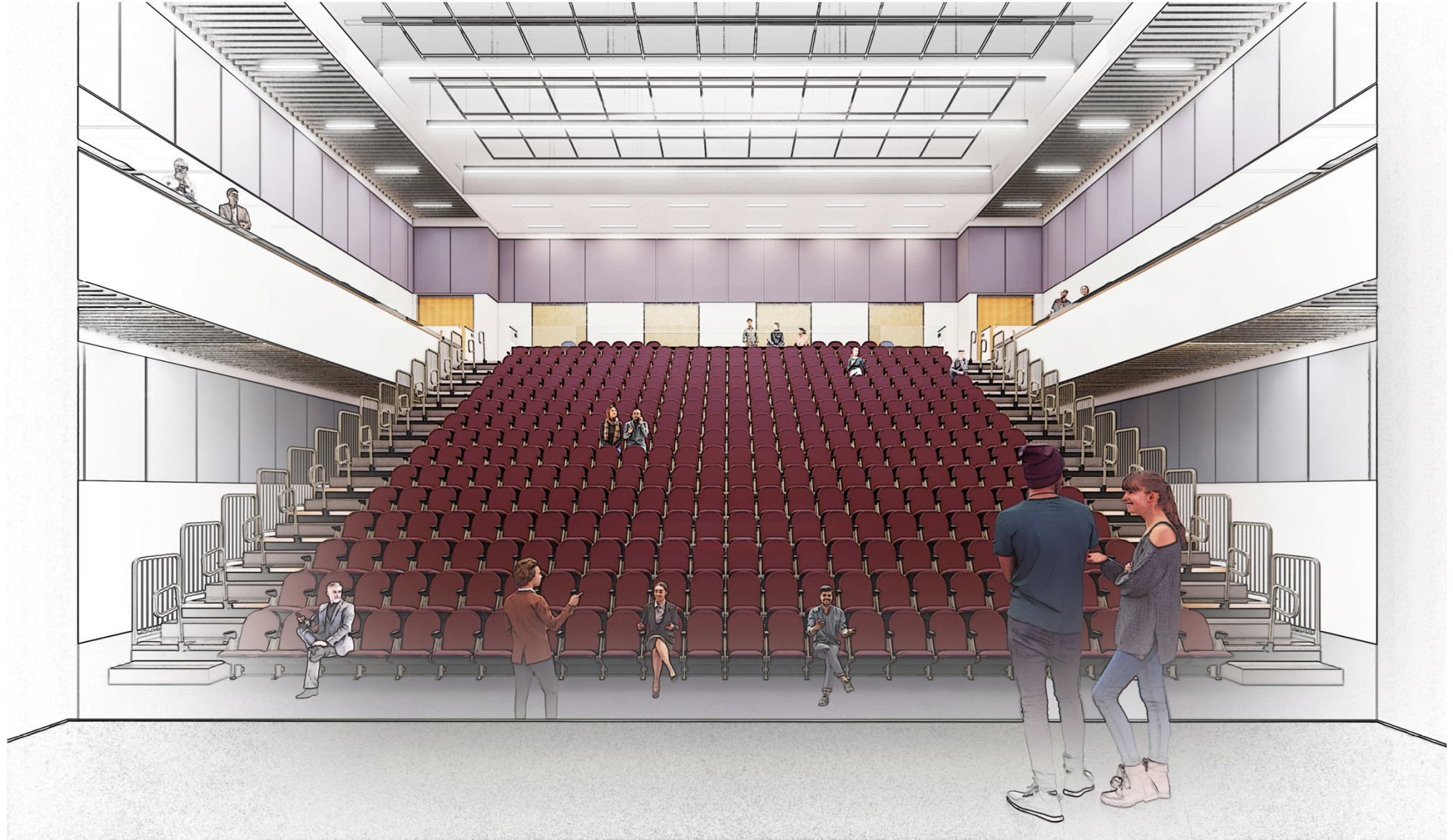






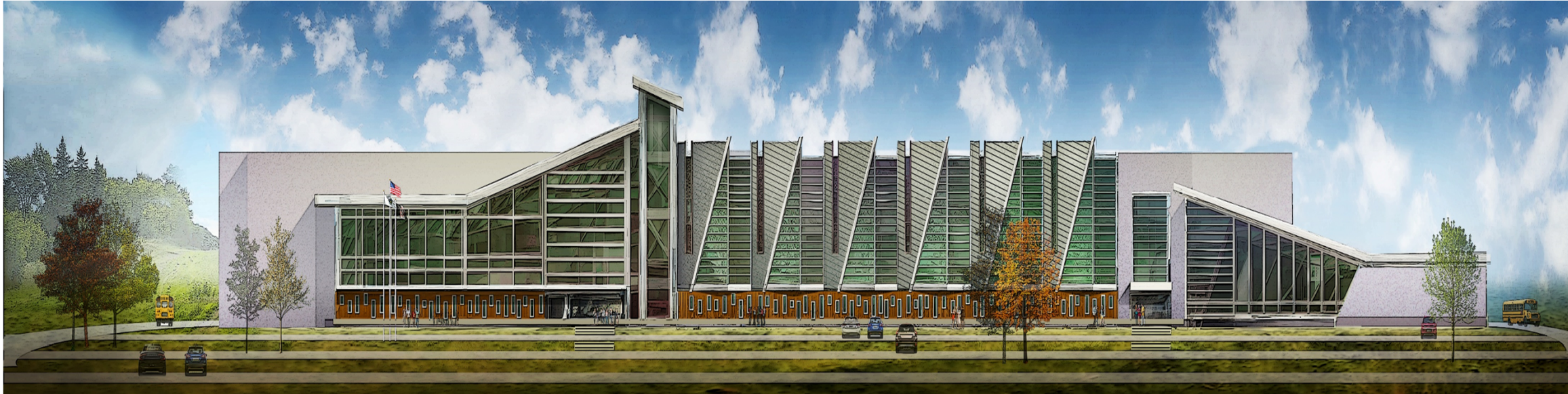


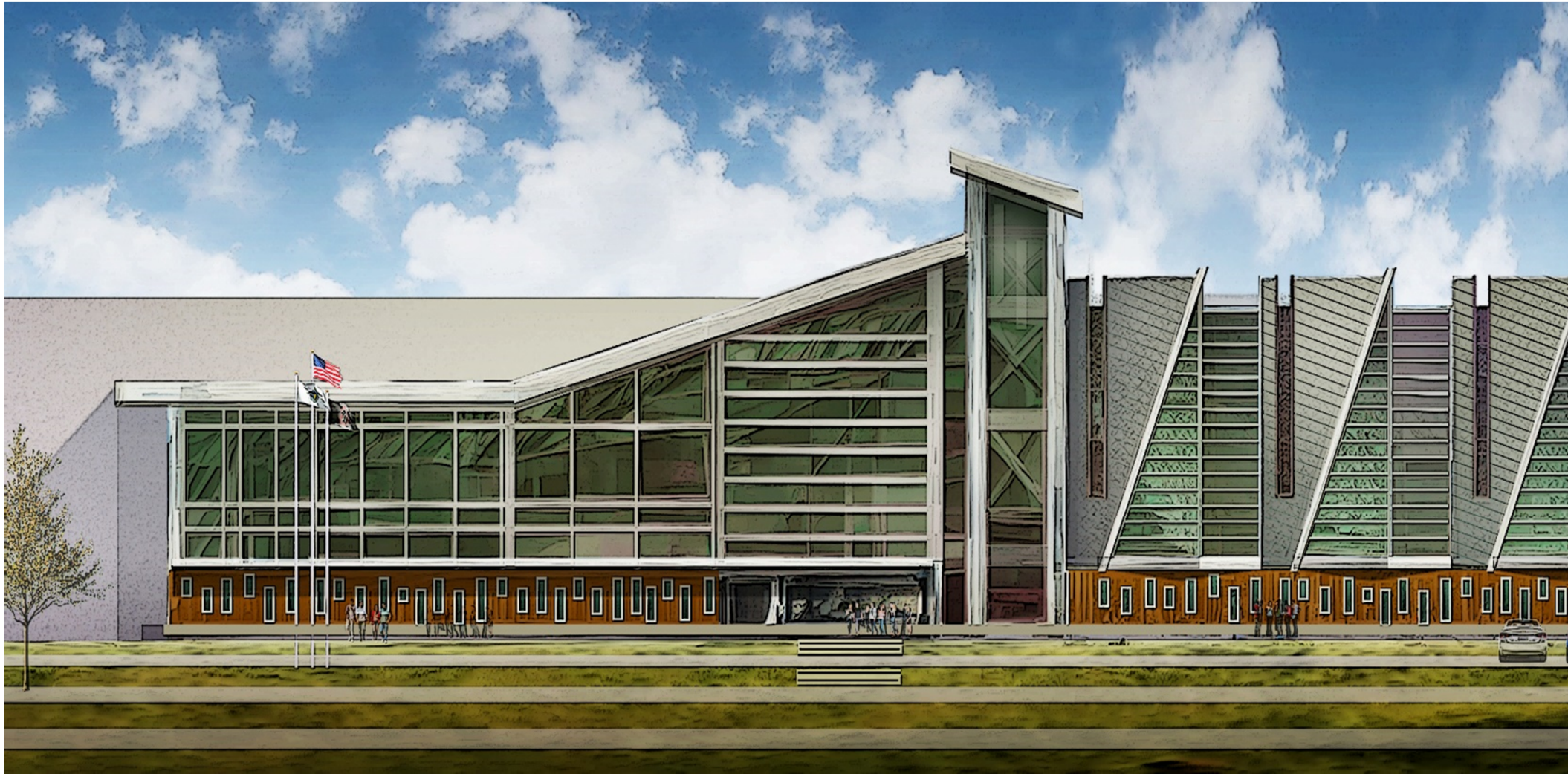




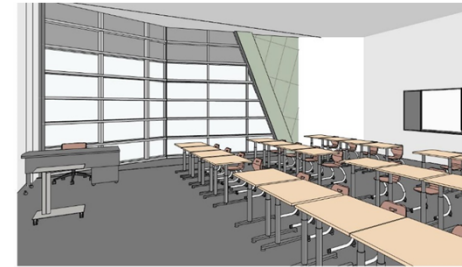
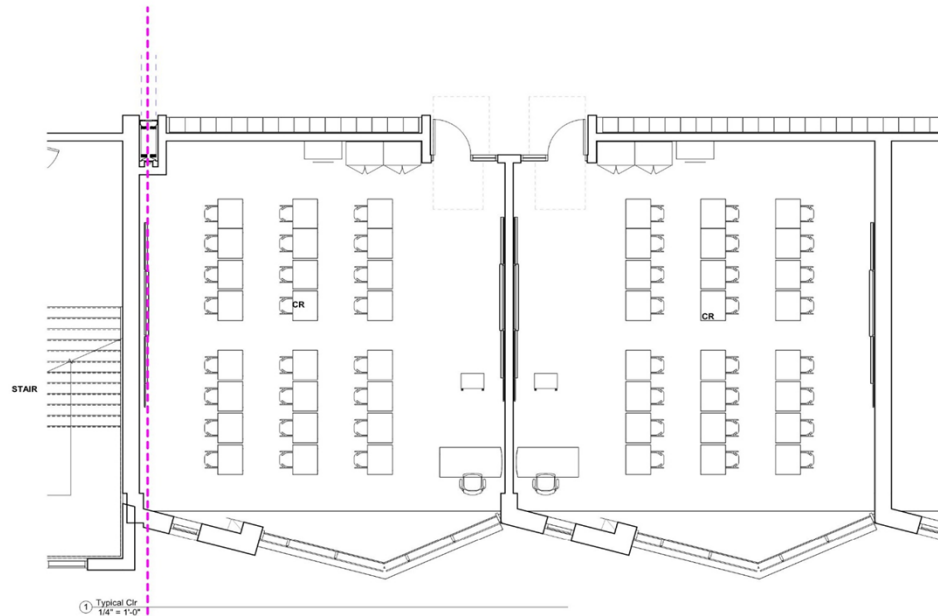










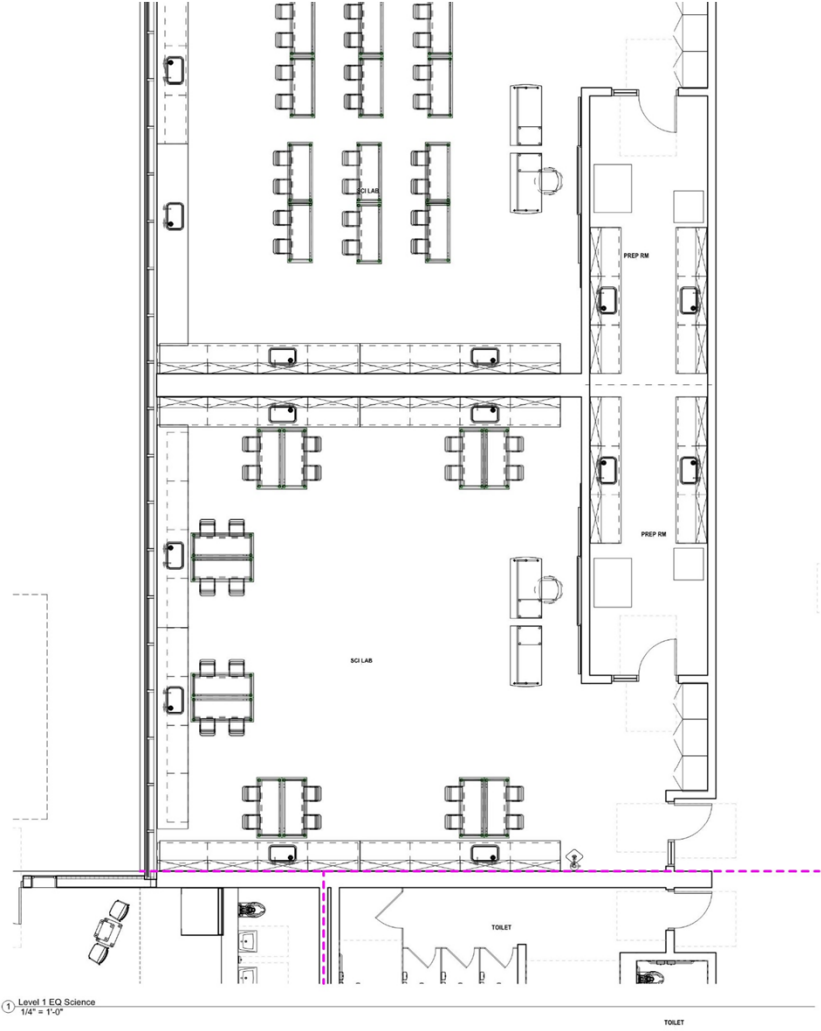


1 Cr - Entrance



2 Cr - view to entrance

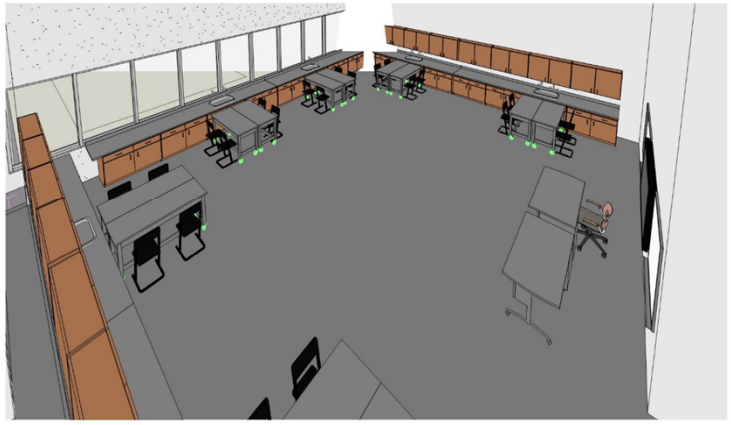
Owner	
Tri-County RVT High School	
Typical Classroom	
Project Number	22001.00
Date	03.14.23
Drawn By	Author
Checked By	Checker



1 Level 1 EQ Science
1/4" = 1'-0"



2 Science - Lecture



3 Science - Lab

Owner	
Tri-County RVT High School	
Typical Science	
Project Number	22001.00
Date	03.14.23
Drawn By	Author
Checked By	Checker
FFE.03	
Scale	1/4" = 1'-0"



**Tri-County Regional Vocational Technical
High School**

School Building Committee Meeting

5/04/23

Technology & Security System Designs

Project Phases

❖ Base Contract Construction Phase

- Communications Cabling
- Communications System Equipment

❖ Furniture & Fixtures Procurement Phase

- Technology Equipment Procurement
- Instructional AV Systems Procurement

**Base
Construction
Contract
Will Include:**

-
- **Tel/Data Cabling System**
 - Including:
 - Cat 6e horizontal data cabling, line cords, and patch cables
 - AV in-wall HDMI, Audio cabling and line cords for the Classroom Interactive Flat Panels and Digital Signage Monitors to be procured in the FF&E phase
 - **Video Streaming and Control System**
 - Including:
 - Digital Signage
 - Video on Demand
 - Live Broadcasting
 - **Classroom Sound Field Systems**
 - New School Design is Wireless Sound Field system for daily instruction and interfaced to the Interactive Flat Panels for high quality audio

**Base
Construction
Contract
Will Include:**

-
- **Public Address System**
 - Currently – Peavy system original to the building, PA system will be new
 - PA system will be interfaced with FA system for interrupt of announcements during a fire alarm
 - PA system will be interfaced with the VoIP Voice system (in FF&E) for the ability to use phones for announcements
 - **Synchronized Clock System**
 - Currently – Simplex and Primex wireless systems, school prefers a wired system
 - Clock system master clock will be interfaced with the PA system for scheduled bell tones

**Base
Construction
Contract
Will Include:**

-
- **Large Venue Local Sound Reinforcement and Video Presentation Systems for:**
 - Multipurpose Room
 - Gymnasium
 - Cafeteria
 - **Large Venue Local Sound Reinforcement Systems for:**
 - Weight & Fitness Rooms
 - Music Rooms

**Base
Construction
Contract
Will Include:**

- **An Integrated Electronic Security System**
 - Visitor Control System
 - Currently – Aiphone JK series system
 - Intrusion Detection
 - Currently – DMP with wireless door contacts, school prefers a wired system
 - Access Control
 - Currently – DMP Entre system, school prefers an integrated system with more capabilities
 - CCTV Video Surveillance
 - Currently – Meraki cloud-based
 - Panic Button/Duress Alert System
 - Currently – wired buttons for 911 call, school prefers a system that would be integrated with all other security and building systems

**Base
Construction
Contract
Will Include:**

-
- **Vape Detection System**
 - School is considering a Vape Detection system and will research and evaluate various systems
 - **Gunshot Detection System**
 - School is considering a Gunshot Detection system and will research and evaluate various systems

**Technology
FF&E Phase
Typically
Includes:**

-
- **VoIP Phone System**
 - Currently – Mitel
 - Final manufacture TBD
 - **Data Switches**
 - Currently – Cisco & Meraki
 - likely to be the same
 - **UPS Systems**
 - Currently APC
 - likely be the same
 - **Wireless System**
 - Currently – cloud-based Meraki system
 - likely to be the same
 - **Head End/MDF Data Equipment**
 - Firewall
 - Servers/Storage Systems

Technology
FF&E Phase
Typically
Includes:

-
- **Instructional Audio-Video Systems**
 - Currently – Smart Boards with long throw projectors
 - Design for New School is with Interactive Flat Panel Displays instead of Projectors and Smart Boards
 - Displays will be 86-inch and/or 75- inch Interactive Flat Panel Systems

**Technology
FF&E Phase
Typically
Includes:**

- **Client Devices**

- Laptop and Desktop Computers
 - School is questioning including this equipment in the building project bond
 - Equipment may not be in project

- **Student Devices**

- Currently – 1-to-1 Chromebook program
 - likely to be the same
 - School is questioning including this equipment in the building bond
 - Equipment may not be in project

Technology FF&E Phase Typically Includes:

-
- **Peripherals**
 - Laser Printers
 - School is questioning including laser printer equipment in the building project bond
 - Equipment may not be in project
 - Large Format & 3D Printers
 - **Accessories**
 - Laptop / Chromebook Charging Carts and Stations
 - Equipment not required
 - **Loose AV Equipment**
 - Document Cameras, Apple TV, headsets, etc.
 - Small loose items may not be in project

**Technology
FF&E Phase
Typically
Includes:**

-
- **Possible Specialized Systems**
 - Music Engineering and Production Equipment
 - Video Broadcasting Systems
 - Point of Sales Systems for
 - Cafeteria Food Service
 - Culinary Restaurant
 - Cosmetology
 - School Store
 - Auto Shops
 - Etc.

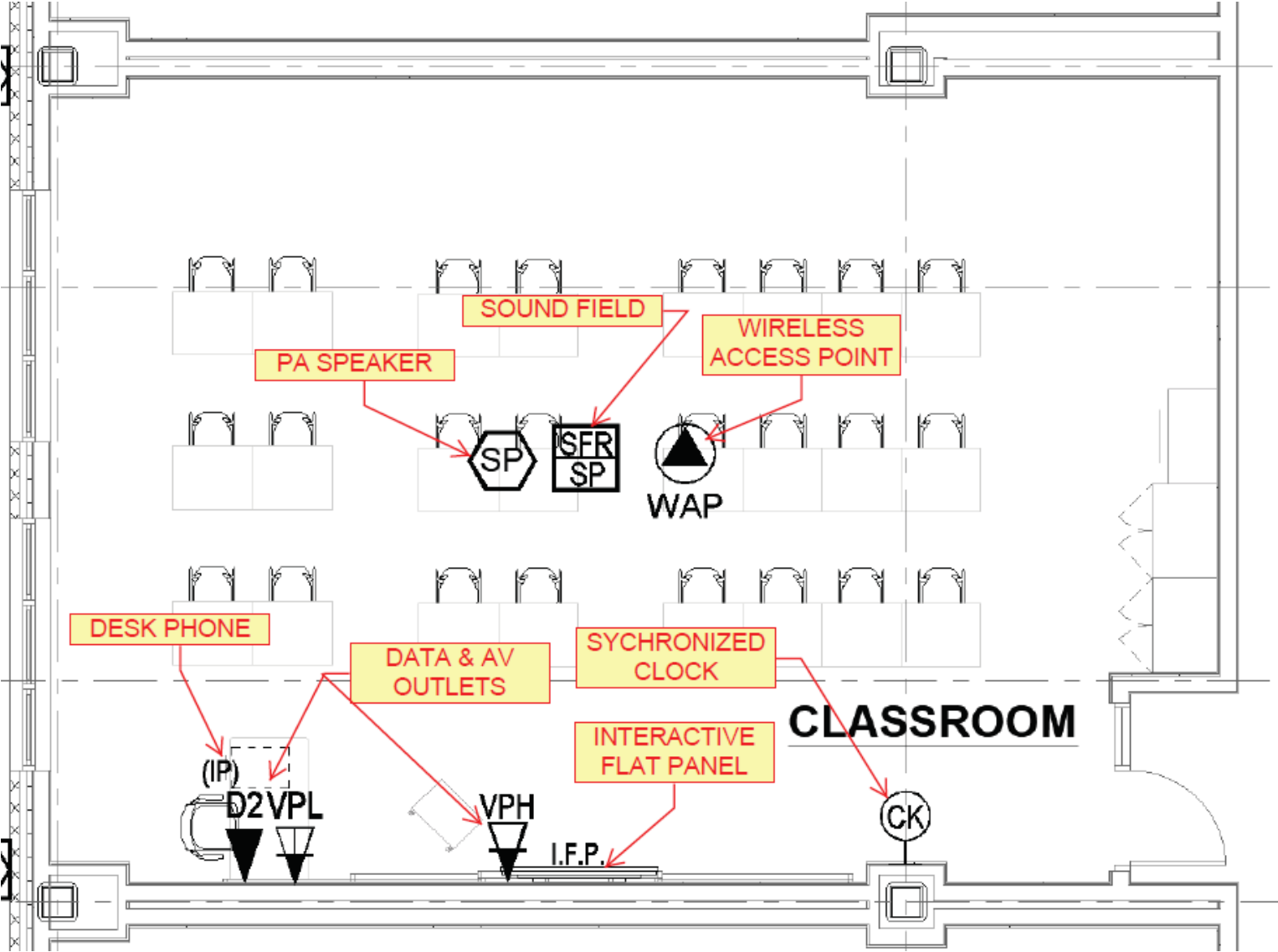
Wireless Network

The Wireless Network Will Consist of Dual Data Wireless Access Points Installed in All Classrooms, Vocational Shops, Administrative Suites, and Common Areas

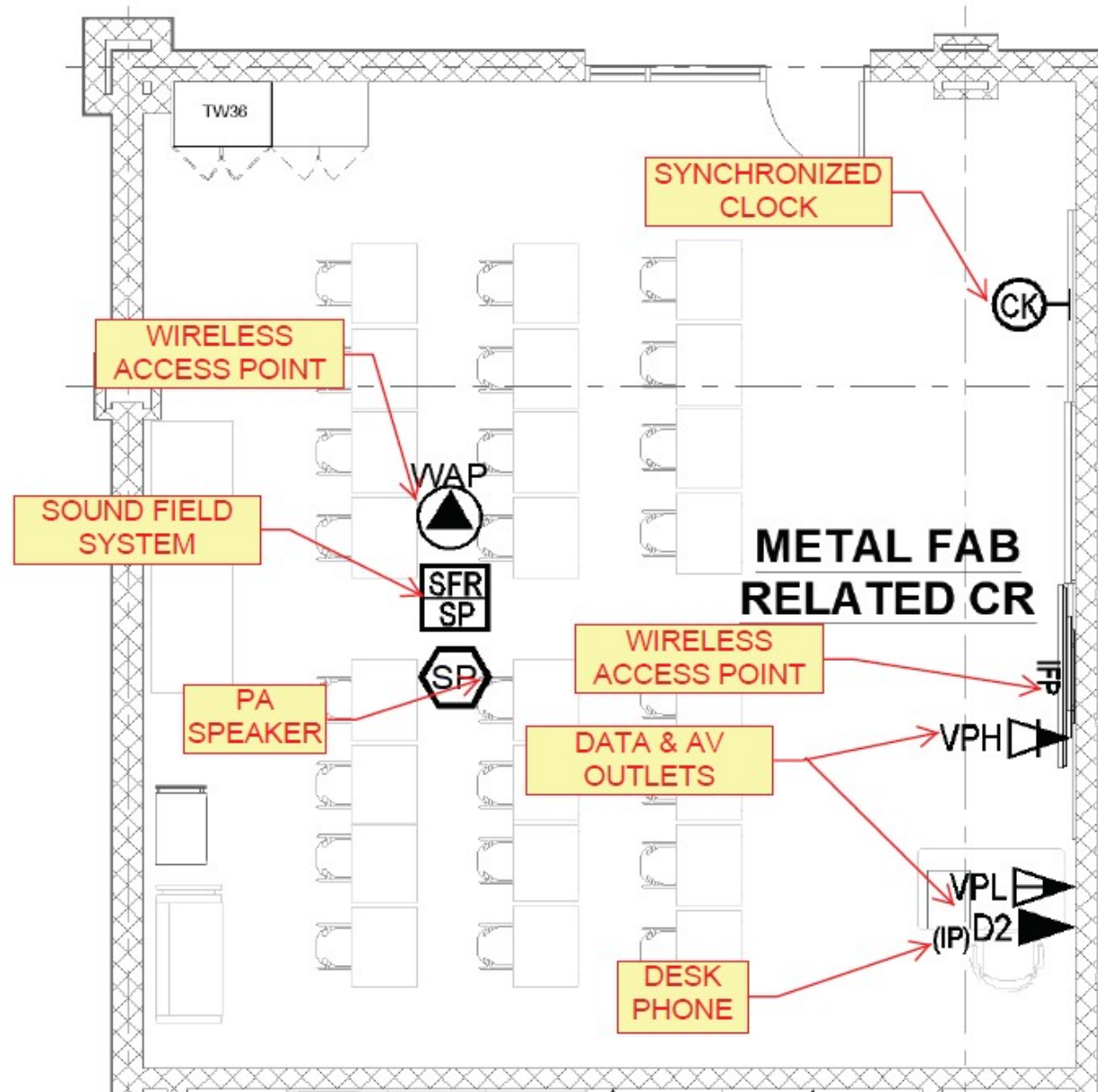
- One Access Point in instructional Classrooms
- Multiple Access Points in Vocational Shops
- Multiple Access points in Common areas
 - Gymnasium
 - Cafeteria
 - Media Center
 - Multipurpose Room
- One Access point in Flex (Collaborative) Areas
- Shared Access Points in Administrative Suites

Examples From Other Vocational/Technical School Projects

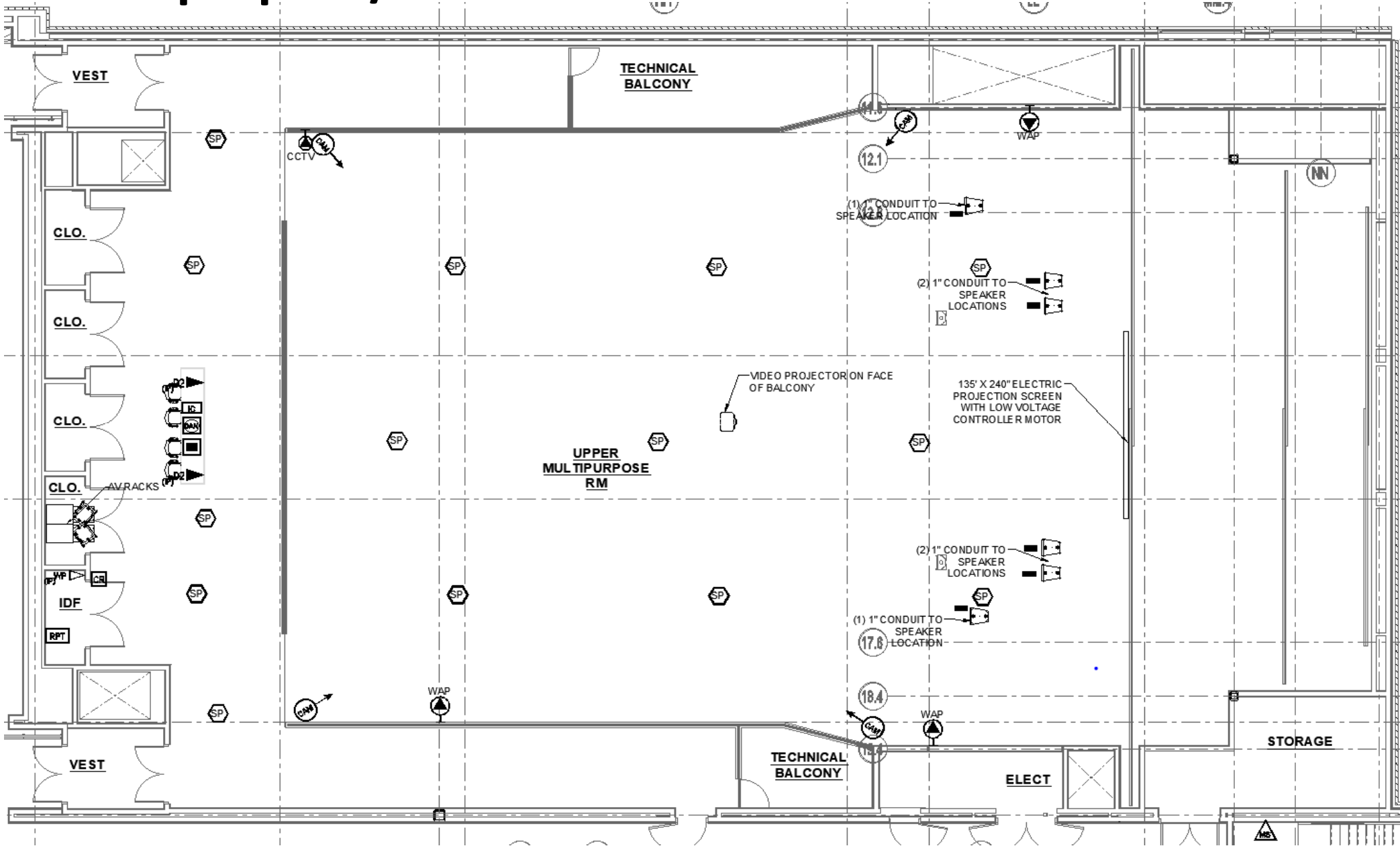
Academic Classrooms



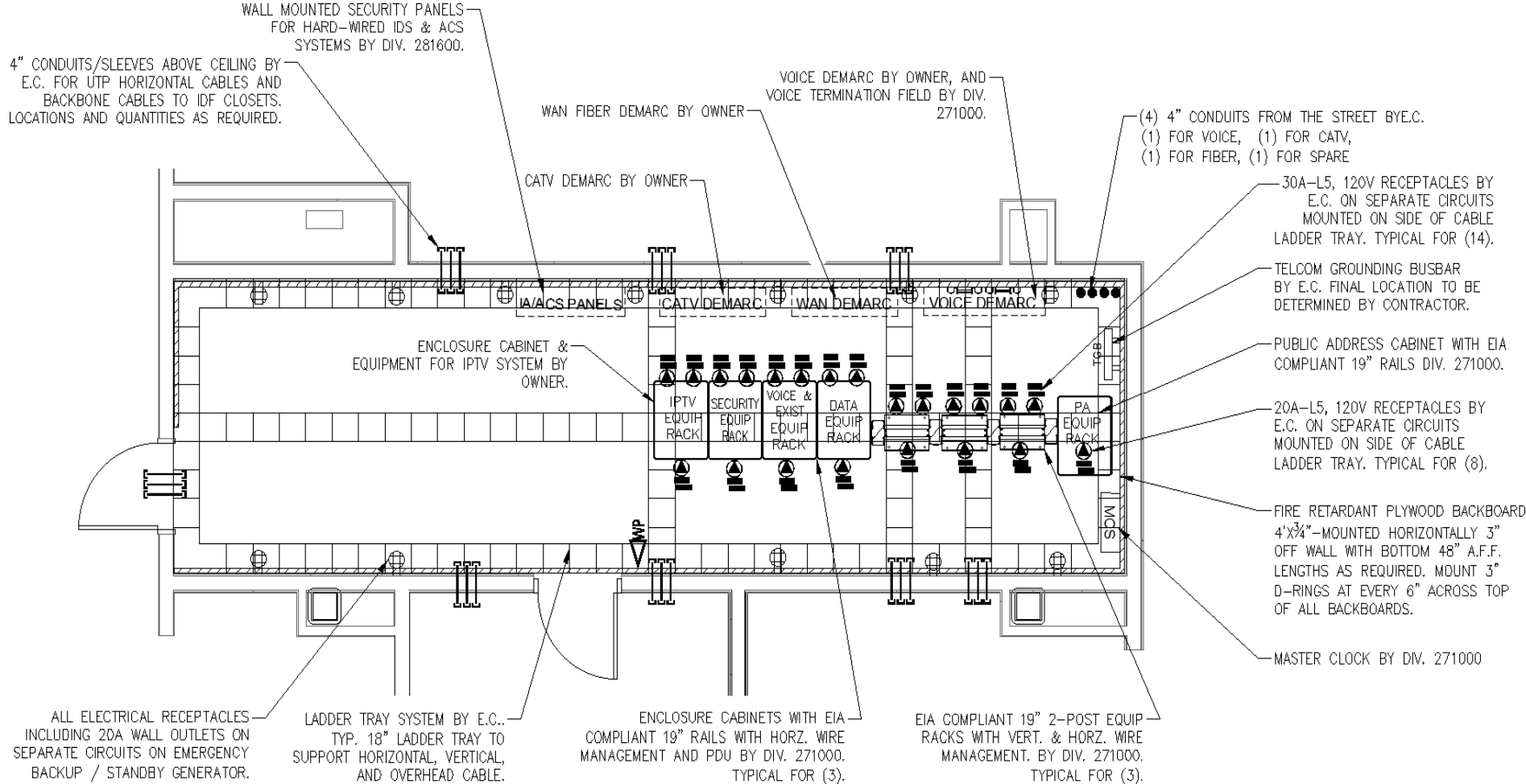
Vocational Related Classrooms



Sample Multipurpose/Auditorium

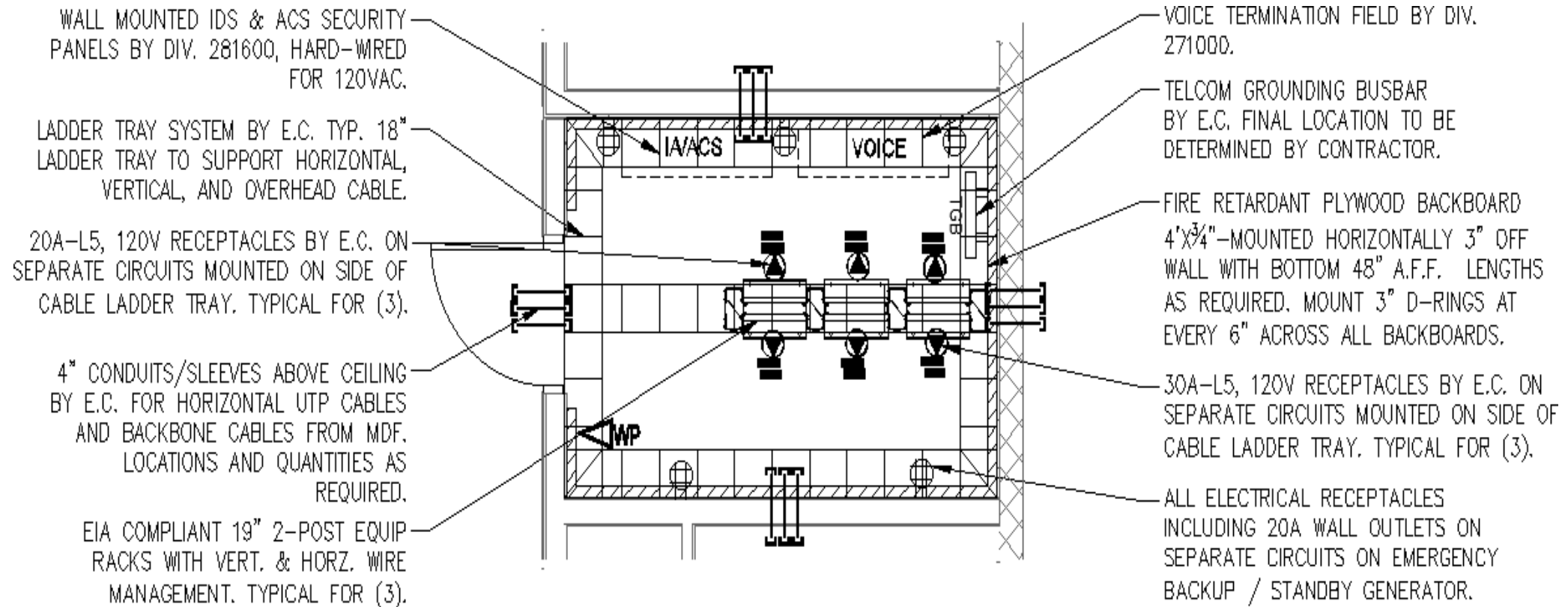


Sample Head End/MDF Closet



All electrical receptacles and equipment will be on the emergency/stand-by generator.

Sample IDF Wire Closet



All electrical receptacles and equipment will be on the emergency/stand- by generator.

SBC Meeting Agenda – May 4th, 2023

1. Call to Order
2. Previous Topics & Approval of April 20th, 2023, Meeting Minutes
3. CM Introduction
4. Design Update
5. **Next meeting/ milestone dates**
6. Other Topics not Reasonably Anticipated 48 hours prior to the Meeting
7. Public Comment
8. Adjourn



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Next Meetings / Milestones

Working Group Meetings

- 05.04.2023 – Construction Phasing
- 05.18.2023 – Logistics

Building Committee Meetings

- **05.04.2023 Building Committee Meeting – Interior finishes/Technology Security**
- 05.18.2023 Building Committee Meeting – Overview of the Basis of Design
- 06.15.2023 Building Committee Meeting – Schematic Design Cost Estimate Review
- 06.21.2023 Building Committee Meeting – Schematic Design Submission Review and Approval to MSBA

Design, Team Milestone, Meetings & Activities

- 05.18.2023 – SD Cost Estimate Documents Ready for Distribution
- 05.22.2023 – DESE Submission Confirm date with MSBA
- Week of 06.10.2023 – Schematic Design Cost Estimate Ready for Distribution
- 06.27.2023 – Final SD submission to MSBA

SBC Meeting Agenda – May 4th, 2023

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- 7. Public Comment**
- 8. Adjourn**



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School Building
Committee
Adjourn
“Roll Call Vote”
expected

“Motion to Adjourn by _____,
2nd by _____”

School Building Committee Members Roll Call:

- Brian Mushnick
- Karen Maguire
- Dan Haynes
- Michael Procaccini
- Jonathon Dowse
- Brendan Bowen
- Stanley Widak Jr.
- Harry Takesian
- Jane Hardin
- Bob Foley
- Lloyd “Gus” Brown



Thank You!

DRA

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