

Project Minutes

Project: Stoneham High School Feasibility Study
 Prepared by: Joel Seeley
 Re: School Building Committee Meeting
 Location: Remote Participation
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 4/26/2021
 Time: 7:00pm
 Meeting No: 24

Attendees:

PRESENT	NAME	AFFILIATION	VOTING MEMBER
Attended Remote	Marie Christie	Co-Chair, School Building Committee	Voting Member
Attended Remote	David Bois	Co-Chair, School Building Committee; Community Member with Architecture Experience	Voting Member
Attended Remote	Nicole Nial	School Committee Member	Voting Member
Attended Remote	Raymie Parker	Select Board Member	Voting Member
Attended Remote	Douglas Gove	Community Member with Engineering Experience	Voting Member
Attended Remote	Stephen O'Neill	Community Member with Engineering Experience	Voting Member
Attended Remote	Josephine Thomson	Community Member	Voting Member
	Jeanne Craigie	Town Moderator	Voting Member
Attended Remote	Lisa Gallagher	Community Member, School Secretary, Past member of Middle School Building Committee	Voting Member
Attended Remote	Sharon Iovanni	Community Member	Voting Member
Attended Remote	Cory Mashburn	Community Member, Finance and Advisory Board	Voting Member
	Paul Ryder	Community Member with Construction Experience	Voting Member
Attended Remote	David Pignone	Athletic Director, Member knowledgeable in educational mission and function of facility	Voting Member
Attended Remote	Kevin Yianacopolus	Local Official responsible for Building Maintenance	Voting Member
Attended Remote	Dennis Sheehan	Town Administrator / MCPPO Certified	Non-Voting Member
Attended Remote	John Macero	Superintendent of Schools, Secretary of School Building Committee	Non-Voting Member
Attended Remote	Bryan Lombardi	Stoneham High School Principal	Non-Voting Member
Attended Remote	Brian McNeil	Town Facilities Director	Non-Voting Member
Attended Remote	April Lanni	Town Procurement Officer / MCPPO Certified	Non-Voting Member
Attended Remote	Larry Means	Northeast Metro Tech School Committee	
Attended Remote	David DiBarri	Northeast Metro Tech Superintendent	
Attended Remote	Brooke Trivas	Perkins and Will	
Attended Remote	Patrick Cunningham	Perkins and Will	
Attended Remote	Leo Liu	Perkins and Will	
Attended Remote	Ryan Flynn	BALA	

PRESENT	NAME	AFFILIATION	VOTING MEMBER
Attended Remote	Vamshi Gooje	Thornton Tomasetti	
Attended Remote	Kristy Lyons	Consigli Construction	
Attended Remote	Christian Riordan	Consigli Construction	
Attended Remote	Joel Seeley	SMMA	

Item #	Action	Discussion
24.1	Record	Call to Order, 7:00 PM, meeting opened by roll call.
24.2	Record	In accordance with the executive order issued by the Governor on March 10, 2020, this meeting will be held via video conference and a recording of such will be posted on the Town's website.
24.3	D. Sheehan	L. Means and D. DiBarri reviewed the Northeast Metro Tech project scope and timeline. The Northeast Metro Tech project is on the same MSBA approval and local voting schedule as the high school project. Committee Discussion: 1. L. Means asked if there will be one article for both projects or two separate articles at the 10/4/21 Town Meeting? <i>D. Sheehan indicated that is yet to be determined.</i>
24.4	Record	A motion was made by R. Parker and seconded by S. Iovanni to approve the 4/5/21 School Building Committee meeting minutes. No discussion, motion passed unanimous by roll call vote, one abstention.
24.5	J. Seeley	J. Seeley reviewed the draft Post-Schematic Design Meetings and Agenda Schedule, attached. Committee Discussion: 1. N. Nial indicated the 10/11/21 meeting is on Columbus Day. <i>J. Seeley to change the meeting to 10/12/21.</i>
24.6	J. Macero	J. Macero to review if there is a Pre-K Guideline that the proposed Pre-K program can be compared to. <i>(from prior meeting)</i>
24.7	J. Seeley	J. Seeley to break out the costs in a series of categories: Base High School Project followed by a listing of the Community Related Enhancements such as the synthetic playfields, concession/locker room building, traffic signals, PreK Program, District Offices, Larger Auditorium, Larger Gymnasium, District Kitchen in the SD Phase. <i>(from prior meeting)</i>
24.8	D. Sheehan	D. Sheehan to confirm if DPW can video inspect the existing 36-inch culvert.

Item #	Action	Discussion
24.9	B. Trivas B. Lombardi J. Macero	<p>B. Trivas provided an update on the Floor Plans and Department Programming meetings with teachers and staff. Eighteen meetings held so far and all documents, including teacher surveys, plans, and presentations are saved on the website https://www.envisionshs.com (password:Spartan).</p> <p>Committee Discussion:</p> <ol style="list-style-type: none">1. B. Trivas to provide alternative layouts for classroom capacities under a pandemic condition. <i>(from prior meeting)</i>2. B. Lombardi to provide final direction on the quantity of lockers to be provided in the design. <i>(from prior meeting)</i>3. J. Macero indicated gender titles are being addressed for spaces and will be brought to the SSBC for review. <i>(from prior meeting)</i>
24.10	P. Cunningham Committee	<p>P. Cunningham presented an update on the Building Exterior Design, including three exterior material schemes, operable window locations, and solar shades, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none">1. P. Cunningham will provide precedent Gymnasium images with skylights for Committee review. <i>(from prior meeting)</i>2. P. Cunningham to review storage or program function under the stairs. <i>(from prior meeting)</i>3. R. Parker asked if Spartan blue will be visible on the elevations? <i>P. Cunningham indicated there will be opportunities in the building interior to highlight the Spartan blue, some visible from the exterior through the glazing.</i>4. D. Sheehan asked if precedent examples of buildings with similar materials can be provided? <i>P. Cunningham will provide precedent photos for Committee review.</i>5. D. Bois indicated the designs are proceeding in a good direction, it would be helpful to understand the panel reveals and scale and warmer masonry materials, particularly on scheme 3. <i>P. Cunningham will review and provide direction to the Committee.</i>6. R. Parker indicated she preferred schemes 1 and 3.7. Committee members to forward additional comments to J. Seeley who will compile and issue.

Item #	Action	Discussion
24.11	Record	<p>R. Flynn presented the HVAC Systems Design, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. R. Parker asked if the HVAC system will be flexible to adapt to future space use changes? <i>R. Flynn indicated yes, the terminal devices can be reconfigured if future plan changes are undertaken.</i> 2. R. Parker asked if each room can be individually controlled? <i>R. Flynn indicated yes, each classroom and larger space will have their own thermostat for temperature control.</i> 3. S. Iovanni asked how will operable window use be controlled? <i>R. Flynn indicated a green light would be activated inside the classroom when the outside humidity and temperature levels would be advantageous to open the windows while not creating condensation on the chilled beam coils. B. McNeil indicated at the end of each day, custodial staff will also close any windows inadvertently left open.</i> 4. D. Bois indicated the air delivery system seems to be pretty traditional, how is the increased indoor air quality achieved? <i>R. Flynn indicated the increased indoor air quality is achieved by utilizing a fan-powered chilled beam unit, that provides increased filtration thru MERV-13 filters.</i>
24.12	J. Macero B. Lombardi	<p>V. Gooje presented the updated Energy Model, attached. The predicted EUI has improved from 26.9 at PSR to 25.6. P. Cunningham reviewed the building shading study for the PV Canopies, attached. The next steps will be to focus on plug load management and fan power management in the Design Development phase to lower the EUI to meet the 25 goal.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. R. Parker indicated it will be important to educate and train the teachers and staff on the importance of plug load management practices. <i>J. Macero and B. Lombardi will start those discussions with teachers and staff in the next phase of design.</i> 2. R. Parker asked if the design team felt comfortable that the 25 EUI can be achieved? <i>P. Cunningham indicated yes, the 25.6 is within striking distance.</i>
24.13	Record	Community Correspondence - none
24.14	J. Macero	Subcommittee Updates

Item #	Action	Discussion
		<p data-bbox="467 394 893 426">Educational Mission Subcommittee</p> <ol data-bbox="516 447 1372 615" style="list-style-type: none"><li data-bbox="516 447 1372 541">1. J. Seeley indicated a meeting of the Educational Mission Subcommittee will be scheduled next week to review the results of the detailed Educational Programming meetings with teachers and staff.<li data-bbox="516 562 1372 615">2. D. Bois asked that once the meeting is scheduled send the invite to the Committee for those that wish to attend. <p data-bbox="467 646 779 678">Play Fields Subcommittee</p> <ol data-bbox="516 699 1388 1182" style="list-style-type: none"><li data-bbox="516 699 1388 930">1. D. Pignone reviewed the 4/15/21 Play Fields Subcommittee Meeting Minutes, attached, and the 4/23/21 meeting. The subcommittee reviewed the Synthetic Turf System Design; Infill Options; Cost, Performance and Maintenance Comparison between Grass and Synthetic Turf; and Cost Comparison between Seed and Sod. The Subcommittee recommends seeding the baseball and softball fields and providing three synthetic turf fields with Organic Infill Engineered Wood (Brockfill).<li data-bbox="516 951 1388 1077">2. N. Nial indicated concern about the cost when the time comes to replace all three turf fields in approximately ten years. <i>D. Pignone indicated that the replacement might be able to be staggered across several years.</i><li data-bbox="516 1098 1388 1182">3. D. Bois asked if funds can be earmarked to plan for the replacements? <i>J. Macero indicated he will discuss with the School Committee about the possibility of establishing a planned turf replacement fund.</i> <p data-bbox="467 1213 747 1245">Security Subcommittee</p> <ol data-bbox="516 1266 1388 1350" style="list-style-type: none"><li data-bbox="516 1266 1388 1350">1. J. Seeley indicated the Security Subcommittee attended the Security and Access Control meeting with the school administration, police and fire department chiefs and design team, held on 4/13/21. <p data-bbox="467 1381 844 1413">Public Relations Subcommittee</p> <ol data-bbox="516 1434 1396 1791" style="list-style-type: none"><li data-bbox="516 1434 1396 1497">1. J. Seeley reviewed the 4/14/21 PR Subcommittee Meeting Minutes, attached.<li data-bbox="516 1518 1396 1602">2. S. Iovanni reviewed the May 2021 Project Information Flyer, attached, distributed with the water bills and posted on the website and social media.<li data-bbox="516 1623 1396 1686">3. S. Iovanni reviewed the SSBC Talking Points, attached. The Committee to review and email any comments to S. Iovanni.<li data-bbox="516 1707 1396 1770">4. S. Iovanni reviewed the Spartan Story Press Release, attached. The Committee to review and email any comments to S. Iovanni.<li data-bbox="516 1791 1396 1791">5. S. Iovanni reviewed the May 2021 Stoneham Sentinel, attached.

Item #	Action	Discussion
		Green Building Initiatives 1. J. Seeley reviewed the 4/12/21 Green Building Initiatives Meeting Minutes, attached. Financial Subcommittee - to be established after construction commences.
24.15	Record	Committee Questions - none
24.16	Record	Old or New Business – none 1. B. Trivas reviewed the response from J. Dirk of Vanasse & Associates on the reasoning for recommending only one entrance lane for the School Entry Drive and parking lane for events, attached. 2. B. Trivas indicated that Nitsch confirmed Assumption No. 4 on the Nitsch proposal listing property line research at the Registry of Deeds as an additional service was a typographical error and the research is part of the Scope of Services.
24.17	Record	Public Comment – none
24.18	Record	Next SSBC Meeting: May 17, 2021 at 7:00 pm.
24.19	Record	A Motion was made by S. Iovanni and seconded by R. Parker to adjourn the meeting. No discussion, motion passed unanimous by roll call vote.

Attachments: Agenda, Northeast Metro Tech Flyer, Post-Schematic Design Meetings and Agenda Schedule, 4/15/21 Play Fields Subcommittee Meeting Minutes, 4/14/21 PR Subcommittee Meeting Minutes, May 2021 Project Information Flyer, SSBC Talking Points, Spartan Story Press Release, May 2021 Stoneham Sentinel, 4/12/21 Green Building Initiatives Meeting Minutes, Powerpoint

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes

Agenda

Project: Stoneham High School Feasibility Study
Re: School Building Committee Meeting
Prepared by: Joel Seeley
Location: Remote Participation
Distribution: Attendees (MF)

Project No.: 20033
Meeting Date: 4/26/2021
Meeting Time: 7:00 PM

-
1. Call to Order
 2. Northeast Metro Tech Project
 3. Approval of Minutes
 4. Approval of Invoices and Commitments
 5. Schedule and Budget Update
 6. Design Update
 7. Geotechnical Investigation Review
 8. MEP Systems Review
 9. Energy Model Update
 10. Community Correspondence
 11. Subcommittee Updates
 12. New or Old Business
 13. Committee Questions
 14. Public Comments
 15. Next Meeting: May 17, 2021
 16. Adjourn

Join Go-To-Meeting:

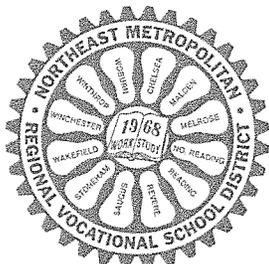
<https://global.gotomeeting.com/join/383041853>

Dial-in: +1 (646) 749-3112 Access Code: 383-041-853

NORTHEAST METROPOLITAN REGIONAL VOCATIONAL SCHOOL DISTRICT

100 HEMLOCK ROAD • WAKEFIELD, MASSACHUSETTS 01880-3597

781-246-0810 • FAX 781-246-4919



March 31, 2021



Town Administrator Dennis Sheehan
35 Central Street
Stoneham, MA 02180

Dear Town Administrator Sheehan,

On behalf of the Northeast Metropolitan Regional Vocational School District attached hereto is an update on the milestones and progress we have made on our planning for the Northeast Vocational School project. Due to COVID, we have largely relied on remote meetings to further the progress of our District project. We are looking forward to a time we will be able to collaborate in person.

The progress made over the past year - moving the project from the MSBA's initial Preliminary Design Program to Preferred Schematic Report – resulted in Massachusetts School Building Board approval to move the project into the Schematic Design Phase.

The Northeast Metropolitan School District Committee and its Building Committee have worked diligently with School Administration and Staff to evaluate the projected enrollment, examine existing school conditions, analyze renovation and new construction options and reviewed over (30) cost option scenarios to ensure the best option would move forward to provide a school that meets the needs of 21st Century Learning strategies forever cognizant of the fiscal impacts on our member communities. The attached information illustrates the project meets the needs of our students and will proudly serve the (12) communities we represent.

Fortunately, the project reimbursement rate from MSBA for eligible project costs has increased from 62.67% to 79.67% due to legislation enacted as part of the state's FY 21 budget. This assumes local support is acquired before December 31, 2021 – even though most costs won't be assessed until FY 24 or FY 25. Moreover, we will continue to advocate for expansion of what is considered 'eligible' reimbursement from MSBA, and will reach out to our federal partners for any and all fiscal support. We shall provide all the information needed for your community to make an informed timely decision to support this exciting new school project. I will schedule meetings in May and June with each community to discuss, review, or address, any and all issues regarding this project. And please feel free to reach out to me sooner to schedule a zoom meeting in April if interested.

Thank you for your continued support of the Northeast Metropolitan Vocational Regional School District.

Sincerely,

David S. DiBarri, Superintendent/Director

cc: Northeast Metropolitan School Committee Members
Northeast Metropolitan Building Committee Members

Northeast Metropolitan Regional Vocational School Project (NEMT Project) District Member Update



Chelsea*Malden*Melrose*North Reading*Reading*

Revere*Saugus*Stoneham*Wakefield*Winchester*Winthrop*Woburn

General Project & MSBA Highlights

The Northeast Metropolitan Regional Vocational School District School Building Committee (“The SBC”), led by former Superintendent Ted Nickole, is comprised of representatives of all (12) District communities along with members of the School Committee, Manager of the Hosting Town, and Finance and Advisory Board members. SBC members have a variety of expertise and are lending their efforts needed to bring a 21st century high school to the students and district community members. Since being appointed in early 2019, the SBC has led the development of the Feasibility Study and now the Schematic design.

David DiBarri, Superintendent of Schools, has begun meeting with communities to share the latest project updates, the process of the study, potential district share amounts, and to collect stakeholder feedback. After a comprehensive study of enrollments and design alternatives proposed by DRA Architects, the SBC voted to select Option C.3 as the Preferred Solution to submit to the Massachusetts School Building Authority (MSBA).

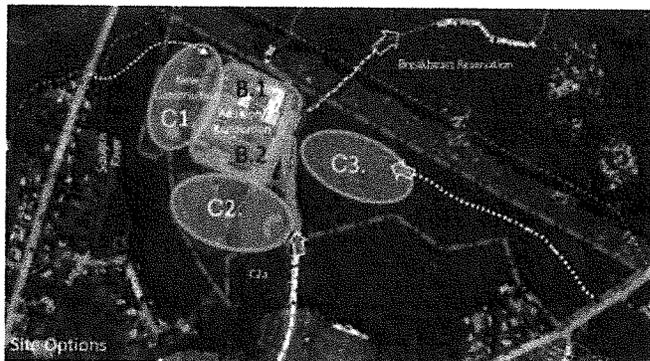
MSBA Feasibility Study Highlights

Upon selection of a project team, the first step in the MSBA design process is called the Feasibility Study. The goal of the Feasibility Study is to define an “ideal” project, develop preliminary construction options, and evaluate the options against each other to determine which satisfies the most key project goals. The District’s Educational Plan will be used to justify all design-related decisions to the MSBA for the remainder of the project. Documents developed include the educational plan, initial space summaries, evaluation of existing conditions, site development requirements, preliminary evaluation of alternatives, local actions and approvals summaries, preliminary construction and total project cost estimates, operational budgets, and project schedule.

Over **(40)** preliminary designs were developed including base renovations, renovations with additions, and new construction options at student enrollment ranges of 1250, 1400, 1600, 1660, and 1722 students.

The following preliminary options were developed for evaluation:

- Option A: Base repair
- Options B.1 and B.2: Addition/Renovation
- Options C.1, C.2, and C.3: New construction on site
- Options C.2A, D.1, and D.2: New construction involving land acquisition



Selected Option: C.3 New Construction at 1,600 students

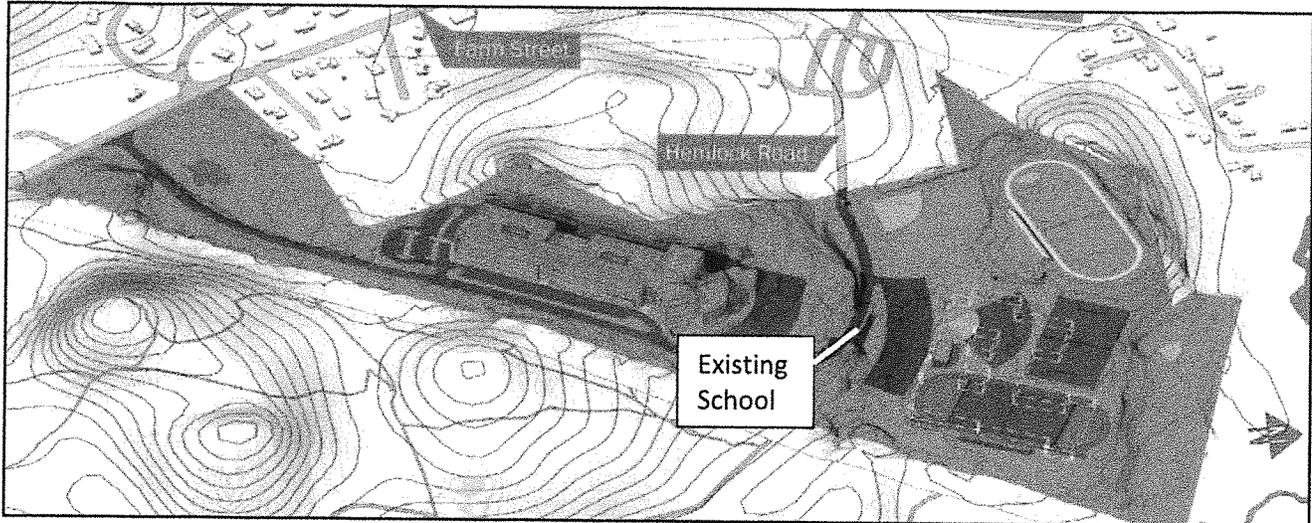
After careful analysis by the SBC and working with the MSBA, Option C.3 with 1,600 students was identified as the most advantageous. Option C.3 involves construction of a new 3-story school on the hillside area south of the existing school.

Option C.3 most closely meets the goals of the District’s Educational Program, allowing for ideal adjacencies of related spaces within the building, formation of vocational clusters, and includes a dedicated secure entrance for public access. It also results in the least disruption to the existing school and the most ideal final site configuration with a new access road from Farm Street. While the District and SBC felt they could justify moving forward with a higher student enrollment, the middle-range enrollment was selected in order to balance project costs. The MSBA agrees with this preferred option and approved the project to proceed into the next phase at the February 11, 2021 Board of Directors meeting.

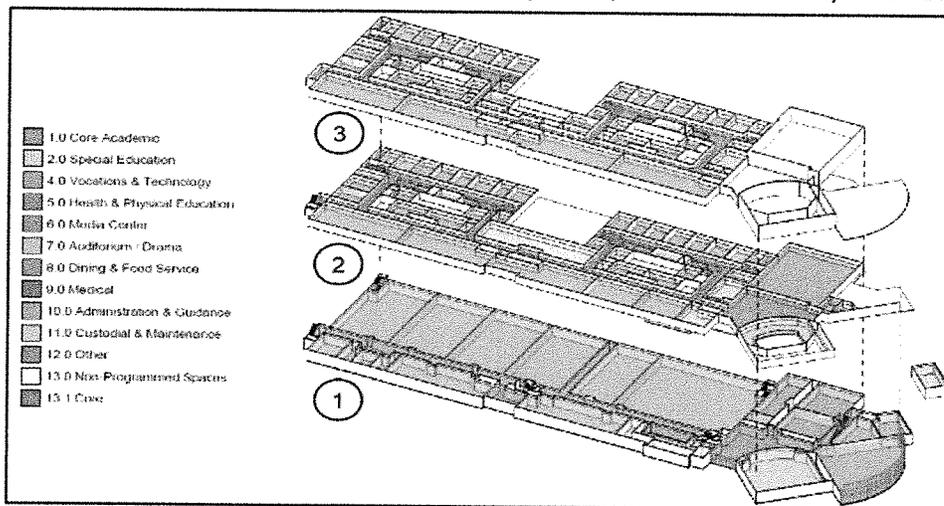
Current rough estimated Total Project Cost: \$317.4M

Current rough estimated District Share: \$177M (with FY’22 approval, see below)

The following graphics demonstrate Option C.3 (shown in blue on site plan) and the new access road from Farm Street.



Aerial view of proposed new school (in blue) relative to existing school (shown dotted in white) 3-D Building Layout



Project Costs, MSBA Reimbursement, and Potential District Share

MSBA Reimbursement Rate Change increased expected state reimbursement by \$30 million for Northeast project

The NEMT project was able to increase its reimbursement rate from 62.67% to 79.67% of eligible project costs due to legislation enacted as part of the FY21 state budget. The new reimbursement grant percentage rate is for approved school projects for calendar year FY 21 only – requiring MSBA to calculate the Community Poverty Factor examining economically disadvantaged student populations from prior years. If the project is approved before December 30, 2021, the reimbursement will be 79.67%. Community support is therefore critical this fall to assure this significant additional state contribution.

MSBA Grant Program

The project has entered the Schematic Design phase where the project team will conduct a third round of construction cost estimates that will become the basis for the MSBA Project Scope and Budget Agreement and resulting Maximum MSBA Grant. The MSBA Grant Program includes various limits (referred to as caps) and categorically ineligible costs. Only the project costs that fall within these limits are subject to reimbursement by the MSBA. The most significant MSBA caps include limiting eligible construction cost to \$333 per square foot, limiting eligible site costs to 8% of direct building costs, and limiting eligible Furniture, Fixtures, Equipment, and Technology costs to \$2,400/student.

Potential Local Share Analyses

The following table summarizes the project team’s detailed analysis of the potential MSBA Funding and shows the estimated construction cost, estimated total project cost, estimated maximum MSBA grant, and resulting potential local share for both MSBA reimbursement rate scenarios. **As shown, the difference is almost \$30M in local funding.**

MSBA Reimbursement Rate	62.67%	79.67%
Estimated Construction Cost	\$ 243,514,418	\$ 243,514,418
Estimated Total Project Cost	\$ 317,422,620	\$ 317,422,620
Estimated Max. MSBA Grant	\$ 110,316,143	\$ 140,240,740
Potential Local Share	\$ 207,106,477	\$ 177,181,880

The project team and SBC are working to reduce the potential local share however possible as we work through the Schematic Design phase with the MSBA. Local share reducing measures include reduction of site costs, increasing MSBA-eligible spaces within the building, and careful assignment of project costs to eligible MSBA budget categories.

How to Get Involved:

Please visit our project website for updates and new project information at www.Northeastbuildingproject.com. School Committee & School Building Committee meetings can be joined by Zoom and are typically held on the second Thursday of each month.

Project Schedule

Design

MSBA Module #2 Forming the Project Team	MSBA Module #3 Feasibility Study	MSBA Module #4 Schematic Design	MSBA Module #5 Funding the Project
<u>AUGUST 2019</u> OPM Selection	<u>JANUARY 2020</u> Begin Feasibility Study	<u>JANUARY 2021</u> Begin Schematic Design	<u>LATE DECEMBER 2021</u> Local funding approval deadline
<u>JANUARY 2020</u> Designer Selection	<u>AUGUST 2020</u> SBC approves PDP Submit PDP to MSBA	<u>JUNE or JULY 2021</u> SBC approves SD/DESE design package	
	<u>SEPTEMBER 2020</u> SC approves Education Plan	<u>JULY 2021</u> Submit SD/DESE to MSBA MSBA FAS Meeting	
	<u>DECEMBER 2020</u> SBC approves PSR Submit PSR to MSBA	<u>AUGUST 2021</u> MSBA BOD approves project scope & budget	
	<u>JANUARY 2021</u> MSBA FAS Meeting		
	<u>FEBRUARY 2021</u> MSBA BOD approves PSR		

Preliminary Construction Schedule:

The project team is working to develop the full project schedule for the preferred option. The following bullets summarize the preliminary estimated schedule:

- Early site enabling work: Start Summer 2022
- Drawings 100% Complete: Fall 2023
- Construct new school: Summer 2023 – Early 2026
- Demolish existing school: Summer 2026
- Construct new fields/outbuildings: Summer 2026 – Fall 2027

**STONEHAM HIGH SCHOOL
STONEHAM SCHOOL BUILDING COMMITTEE**

All meetings are 7:00 PM unless noted otherwise
MEETINGS SCHEDULE AND AGENDAS
April 12, 2021

DATE	AGENDA
<i>Post-Schematic Design</i>	
July 19, 2021	SCHOOL BUILDING COMMITTEE MEETING Review Post Schematic Design Schedule Discuss Community Outreach Plan
July 29, 2021	FARMER'S MARKET - 2:00 PM - 6:00 PM
August 2, 2021	SCHOOL BUILDING COMMITTEE MEETING Review MSBA Comments
August TBD	CAPITAL IMPROVEMENT ADVISORY COMMITTEE
August 23, 2021	SCHOOL BUILDING COMMITTEE MEETING Prepare for MSBA Board Meeting
August 25, 2021	MSBA BOARD MEETING
September 7, 2021	SCHOOL BUILDING COMMITTEE MEETING (TUESDAY) Check-In Meeting Prepare for Community Forum No. 8
September 8, 2021	COMMUNITY FORUM NO. 8 - WEDNESDAY - 6:30 PM
September 14, 2021	TRI-BOARD MEETING NO. 5 - TUESDAY - 6:00 PM
September 20, 2021	SCHOOL BUILDING COMMITTEE MEETING Check-In Meeting Prepare for Community Forum No. 9
September 22, 2021	COMMUNITY FORUM NO. 9 - WEDNESDAY - 6:30 PM
September 27, 2021	SCHOOL BUILDING COMMITTEE MEETING Check-In Meeting Prepare for Town Meeting
October 4, 2021	TOWN MEETING
October 11, 2021	SCHOOL BUILDING COMMITTEE MEETING Check-In Meeting
October 25, 2021	SCHOOL BUILDING COMMITTEE MEETING Check-In Meeting Prepare for Ballot Vote
November 2, 2021	BALLOT VOTE
	ADDITIONAL MEETINGS TO BE SCHEDULED

Perkins&Will

**STONEHAM HIGH SCHOOL
BUILDING COMMITTEE MEETING**

4.26.2021

AGENDA

1\ Plan Update

2\ Exterior Design Update

3\ HVAC Systems Design

4\ Energy Modeling Update



Perkins&Will

SMMA
Project Management

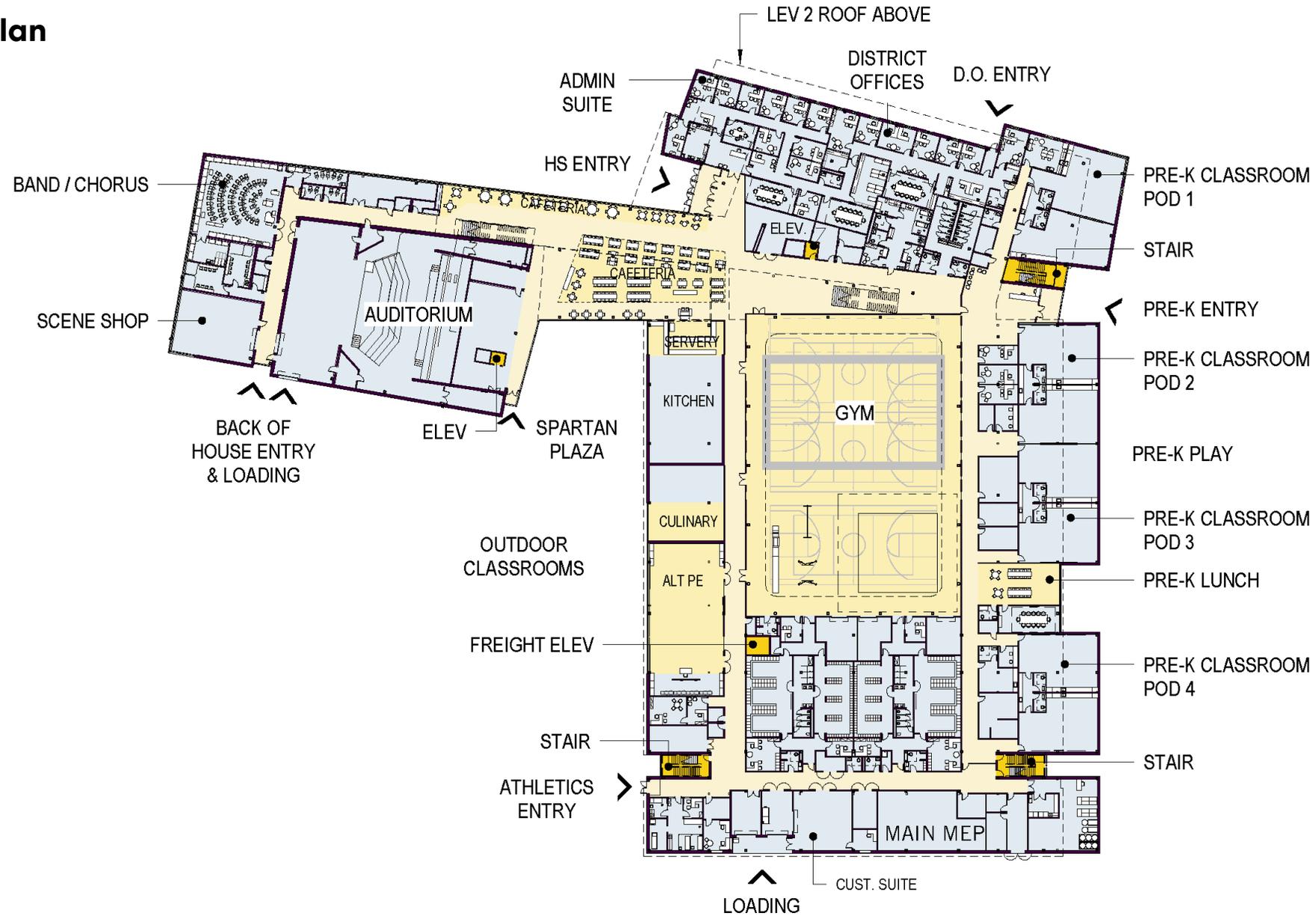

CONSIGLI
Est. 1905

Perkins&Will

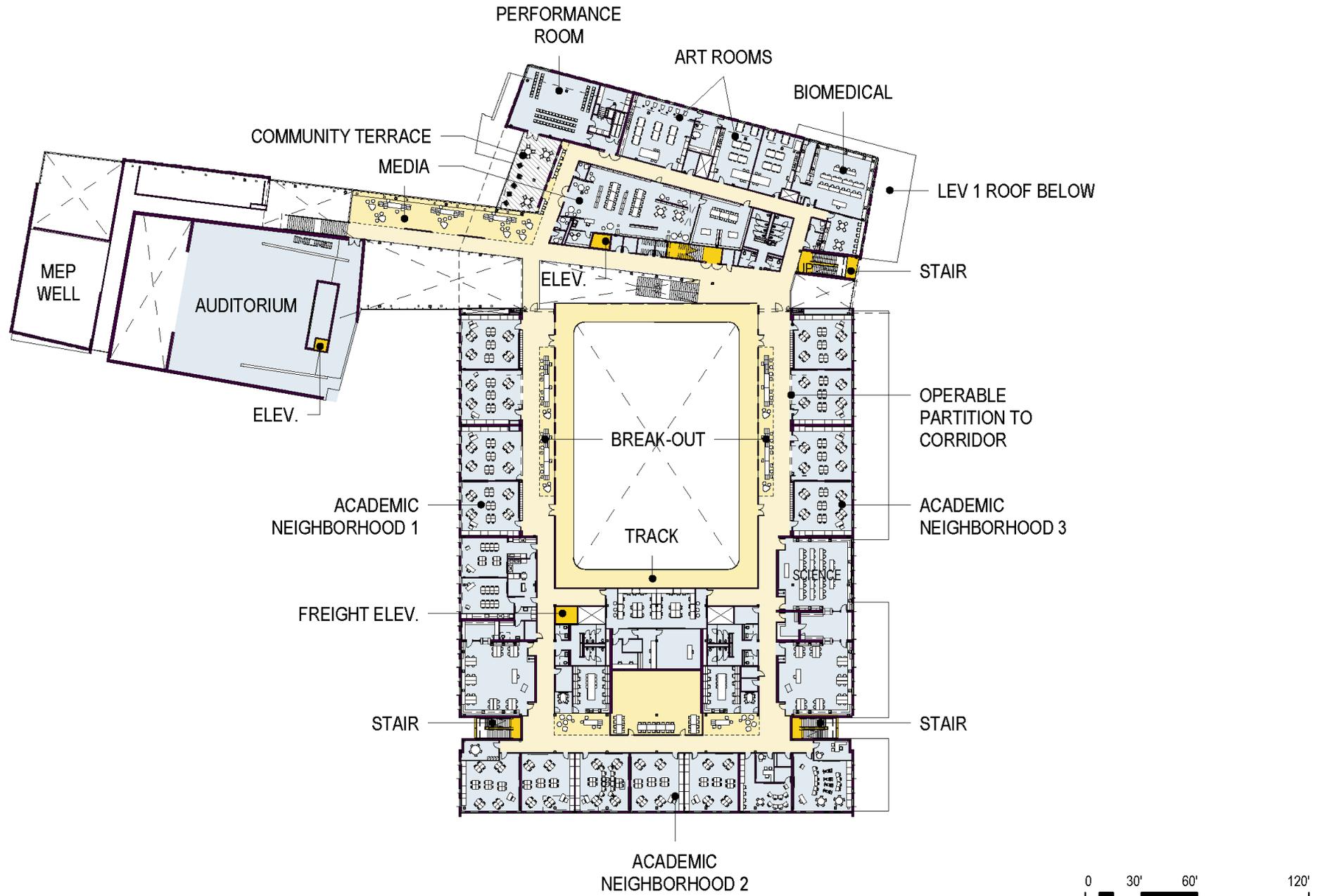
Plan Update

Building Committee Meeting

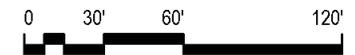
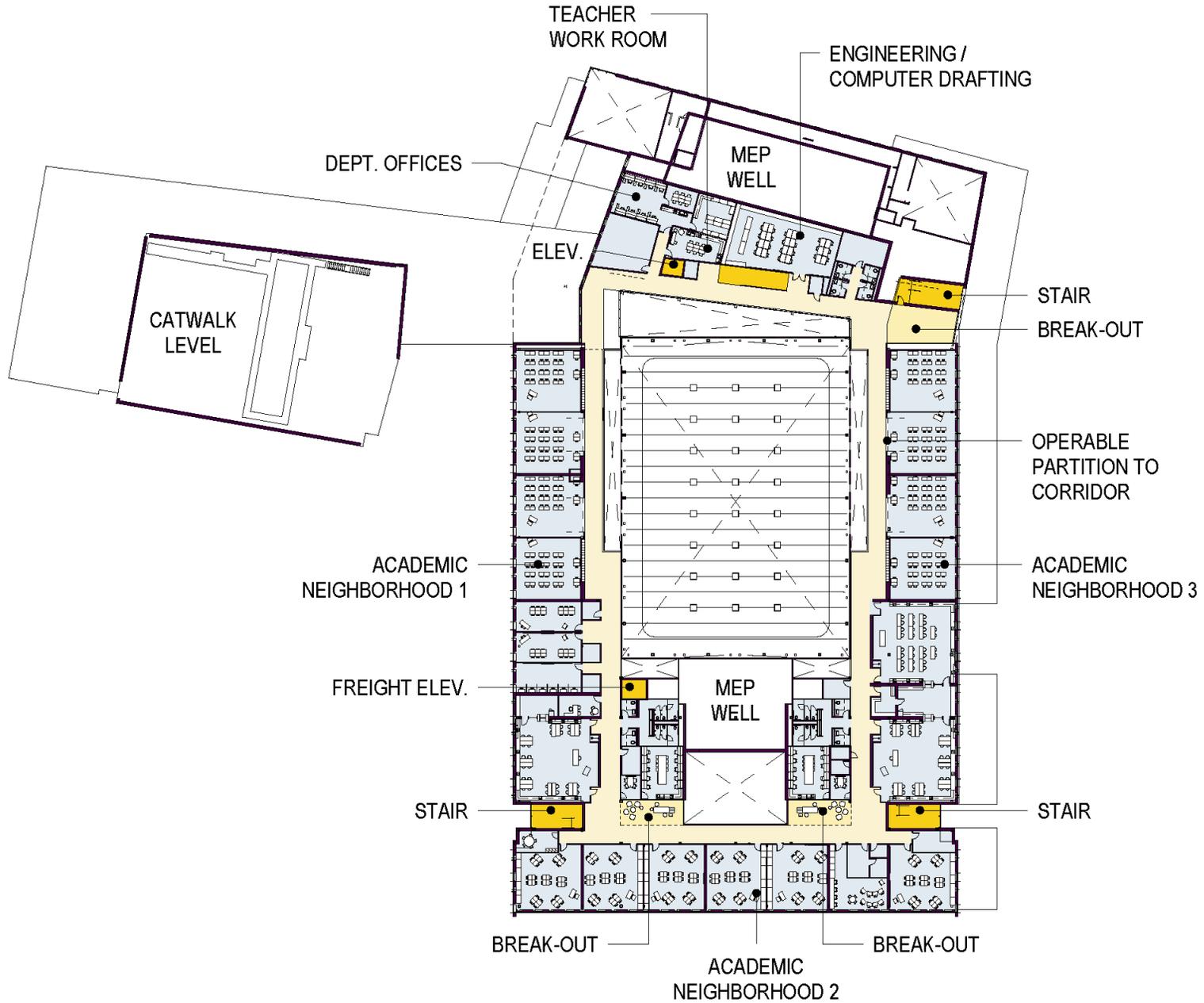
Level 1 Plan



Level 2 Plan



Level 3 Plan



Perkins&Will

Exterior Design Update

Building Committee Meeting

Project Concept

The Path



Exploration
Energizing
Connection
Solar Harvesting
Filtering Light
Open & Layered

The Promontory



Identity
Student expression
Inclusion
Durable
Elevated Views
Landscape Connection

Elevation - North



Elevation - West



What We Heard

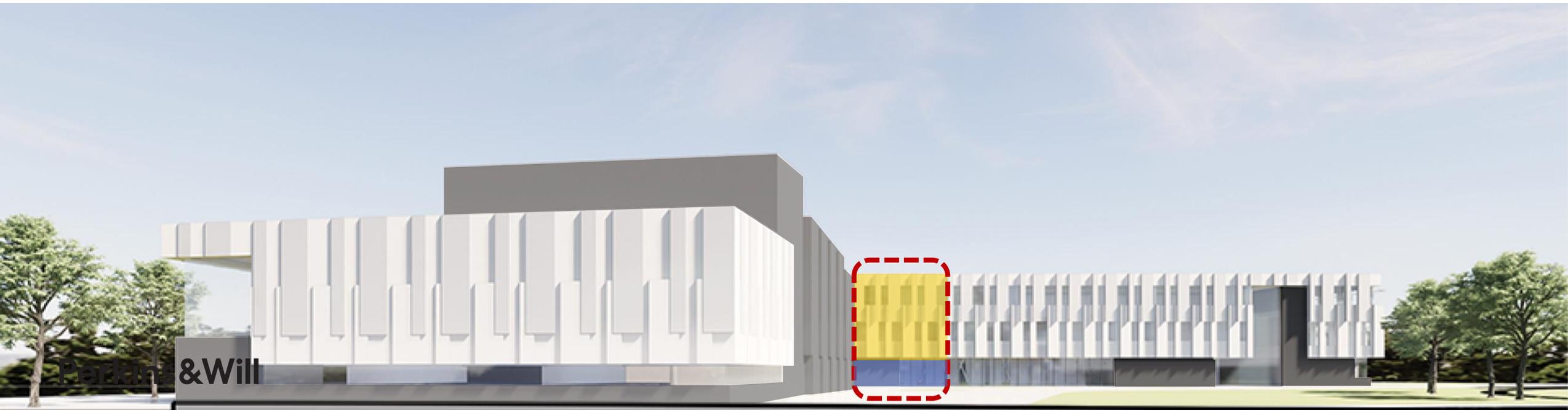
- **Study color that represents the wooded context**
- **Study a formed/shaped facade panels**
- **Achieve a sense of lightness in the building skin**
- **Study operable window strategy**

Façade Concept

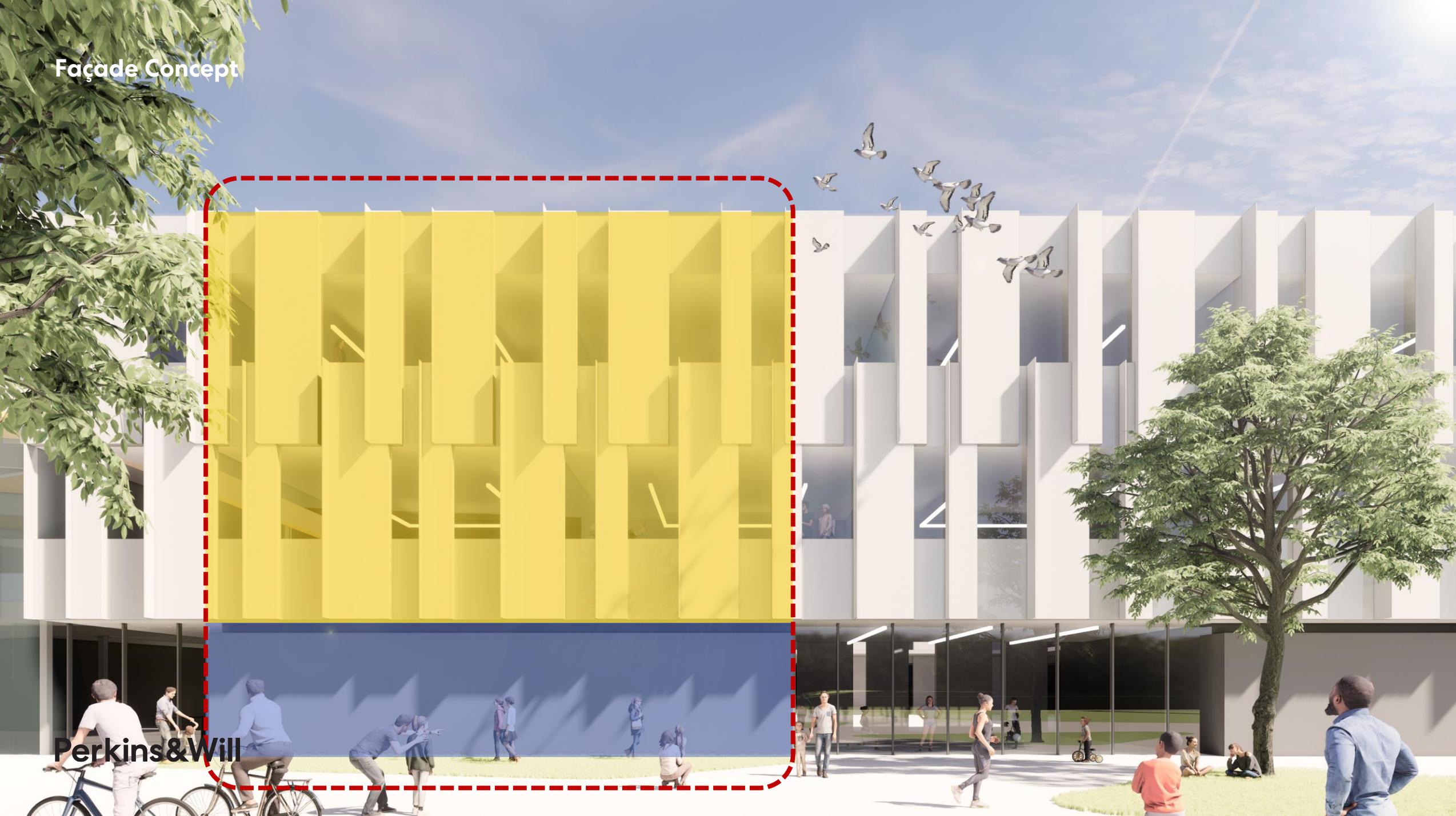
Light and Airy
Light Filtering
Layered
Vertical
Multi-Colored



Weight
Solid
Carved
Horizontal
Monotone



Façade Concept



Perkins&Will

Façade Components



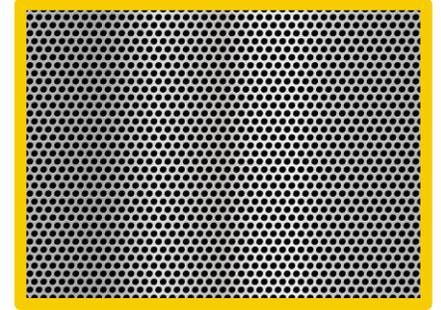
**AWNING/CASEMENT WINDOWS
(2 PER CLASSROOM)**

METAL PANELS

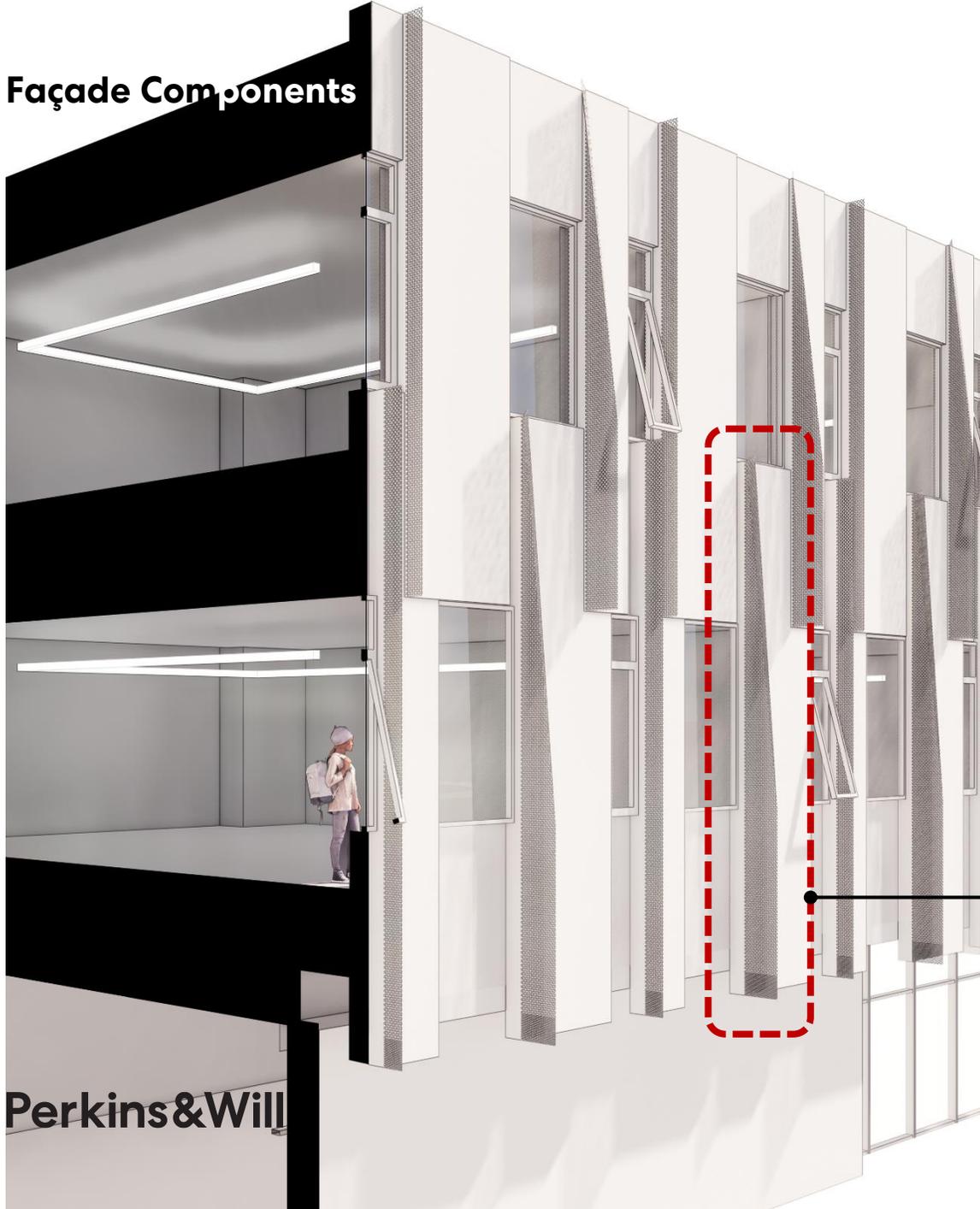
**PERFORATED VERTICAL SOLAR
SHADES**

FIXED WINDOWS

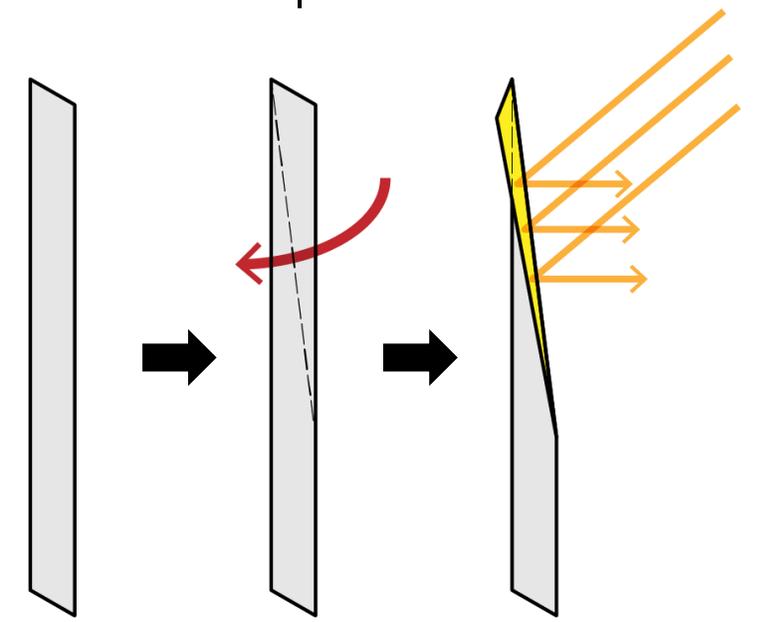
UNIT MASONRY



Façade Components



Perkins&Will



Façade Concept

Light and Airy
Light Filtering
Layered
Vertical
Multi-Colored

Weight
Solid
Carved
Horizontal
Monotone



Façade Concept



Perkins&Will

Glare Control – Spring/Fall Equinox 1pm



Glare Control – Spring/Fall Equinox 1pm



Glare Control – Spring/Fall Equinox 2pm



Glare Control – Spring/Fall Equinox 3pm



Color Scheme 1



Perkins&Will



Color Scheme 2



Perkins&Will



Color Scheme 3



Perkins&Will



Site Shadow Study



December 21, 9am



December 21, 12pm



December 21, 3pm

Perkins&Will

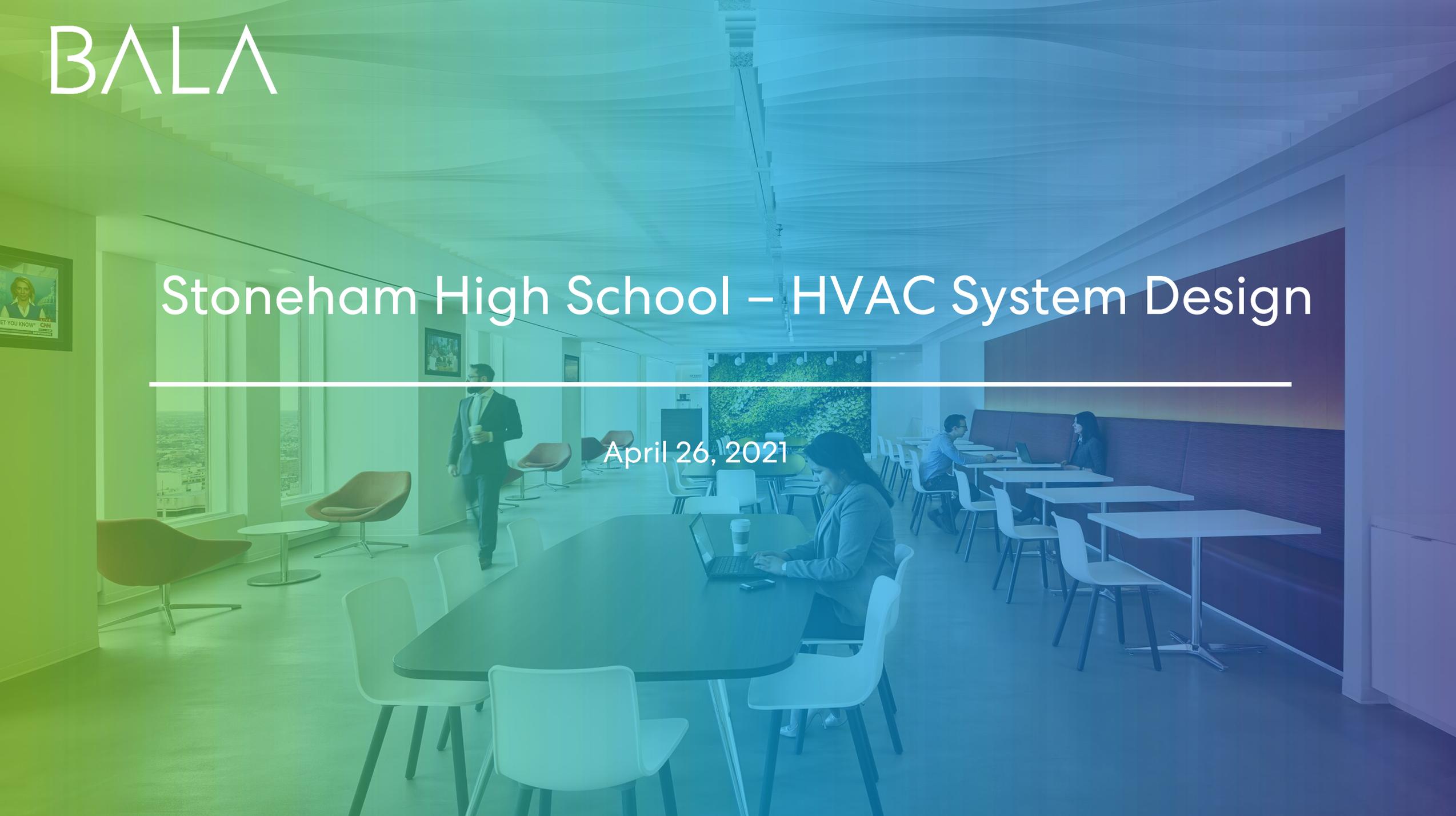
HVAC Systems Design

Building Committee Meeting

BALA

Stoneham High School – HVAC System Design

April 26, 2021



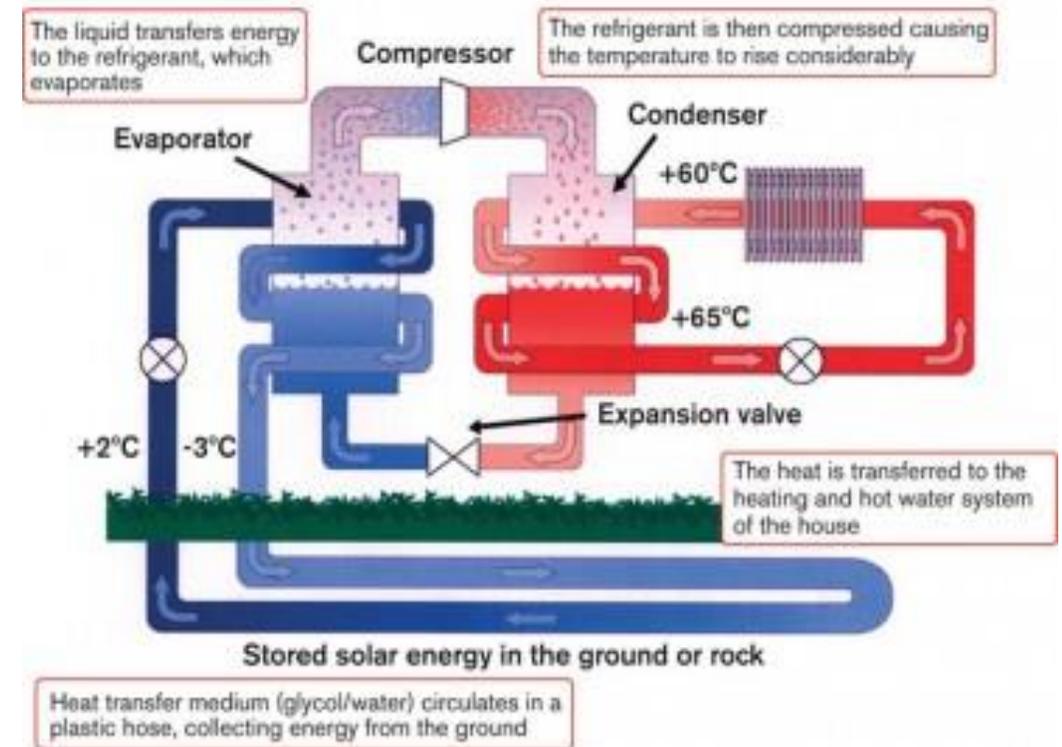
Project Goals

- Zero Energy Building – Net zero energy consumption (produces as much energy as it uses on an annual basis)
- All Electric driven Systems (HVAC, Plumbing, Food Service)
- Very Limited or No fossil fuel consumption
- LEED Certified Building
- Increased Indoor Air Quality
- Sustainable Design Approach
- Minimal Maintenance



Geothermal Well Design

- Geothermal Wells
 - Closed loop hydronic system uses the earth to transfer energy during all four seasons
 - Wells can be 500 ft deep.
 - Wells are typically 6" Diameter spaced 30 ft apart.
 - Depending on the earth's composition, 2 – 3 tons of heat transfer can be expected per well.



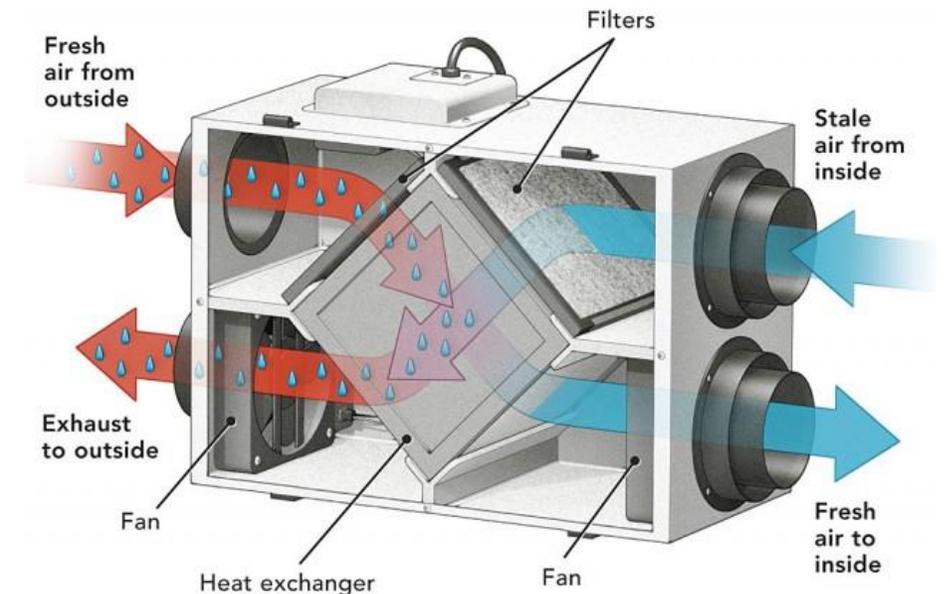
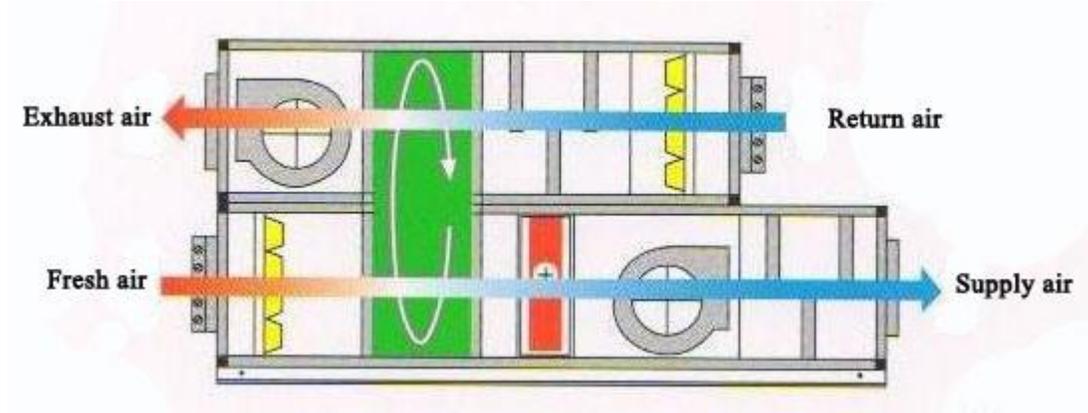
Geothermal Water Sources Heat Pumps

- Water Source Heat Pumps
 - Operate in three different modes: cooling, heating and simultaneous heating/cooling.
 - Uses geothermal water to cool or heat refrigerant to produce chilled and hot water for HVAC needs.
 - System able to rejected heat from cooling process into hot water loop for HVAC heating and domestic water preheat needs (kitchen, showers, science, etc.)
 - Unit can produce a Coefficient of Performance (COP) around 4.0



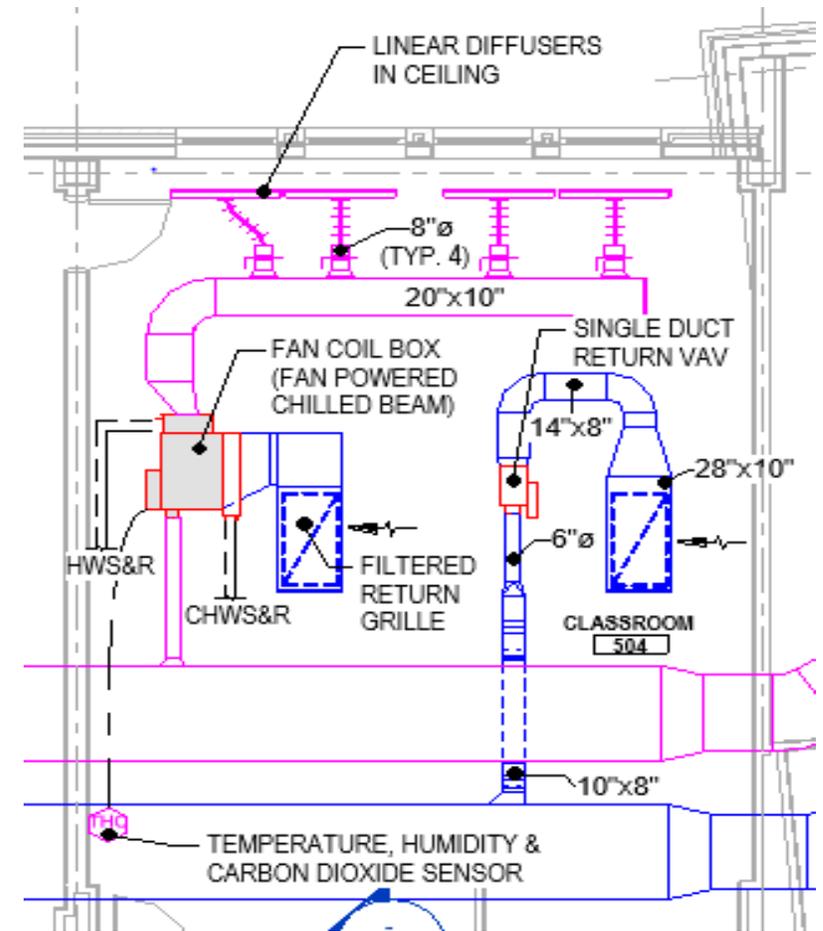
Air Handling Systems

- Heat Recovery Unit (HRU)
 - Utilizes return/exhaust air and energy recovery device to pretreat outdoor air.
 - Energy recovery devices from wheels, cubes or plate exchangers
 - Direct drive fan motors with variable frequency drives.
 - Provides multiple stages of air filtration.
 - Served with Hot and chilled water from Geothermal Heat Pump System.



Typical Classroom

- Fan Coil Terminal Unit (Fan powered chilled beam)
 - Provides ventilation, heating and cooling all in one place.
 - Direct drive Electronically Commutated (EC) Motor
 - Able to be provided with a high level of air filtration (MERV-13)
 - Controlled to reduce fan speed and ventilation air when space is unoccupied.
 - Quiet, energy efficient operation.
 - Ability to incorporate a natural ventilation strategy by allowing operable window use during mild weather (window switches or red/green lights in classrooms)



Perkins&Will

Systems Zoning Plans

Building Committee Meeting

Perkins&Will

Energy Modeling Update

Building Committee Meeting



APRIL 20, 2020

Stoneham High School

SD Energy Update

Thornton Tomasetti



Analysis Goal

- Evaluate the impact of design changes on the targeted EUI of 25 KBTU/SF-YR

Critical UPDATES

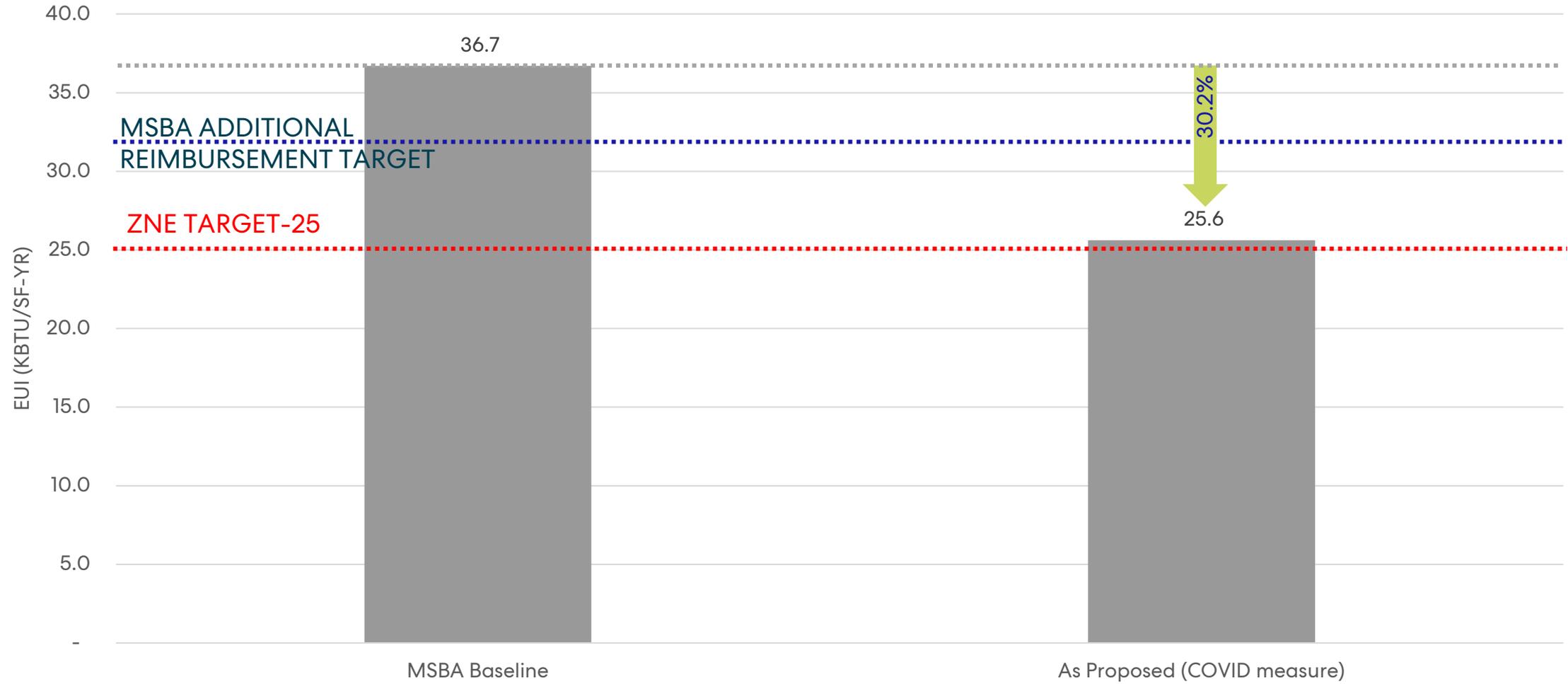
ARCHITECTURAL

- Geometry: Updated - Perkins + Will's Rhino model/Floor plans
- LPD: 0.5 W/sf
- EPD: 1.01 W/sf peak, schedule based on equipment survey
- Wall – R-35, U-0.028
- Roof – R-40, U-0.025
- Glazing assembly: Triple-pane U-0.26, SHGC-0.4, VT-0.44
- WWR – Overall 25%
 - North: 31%; West: 26%; South: 21%; East: 24%

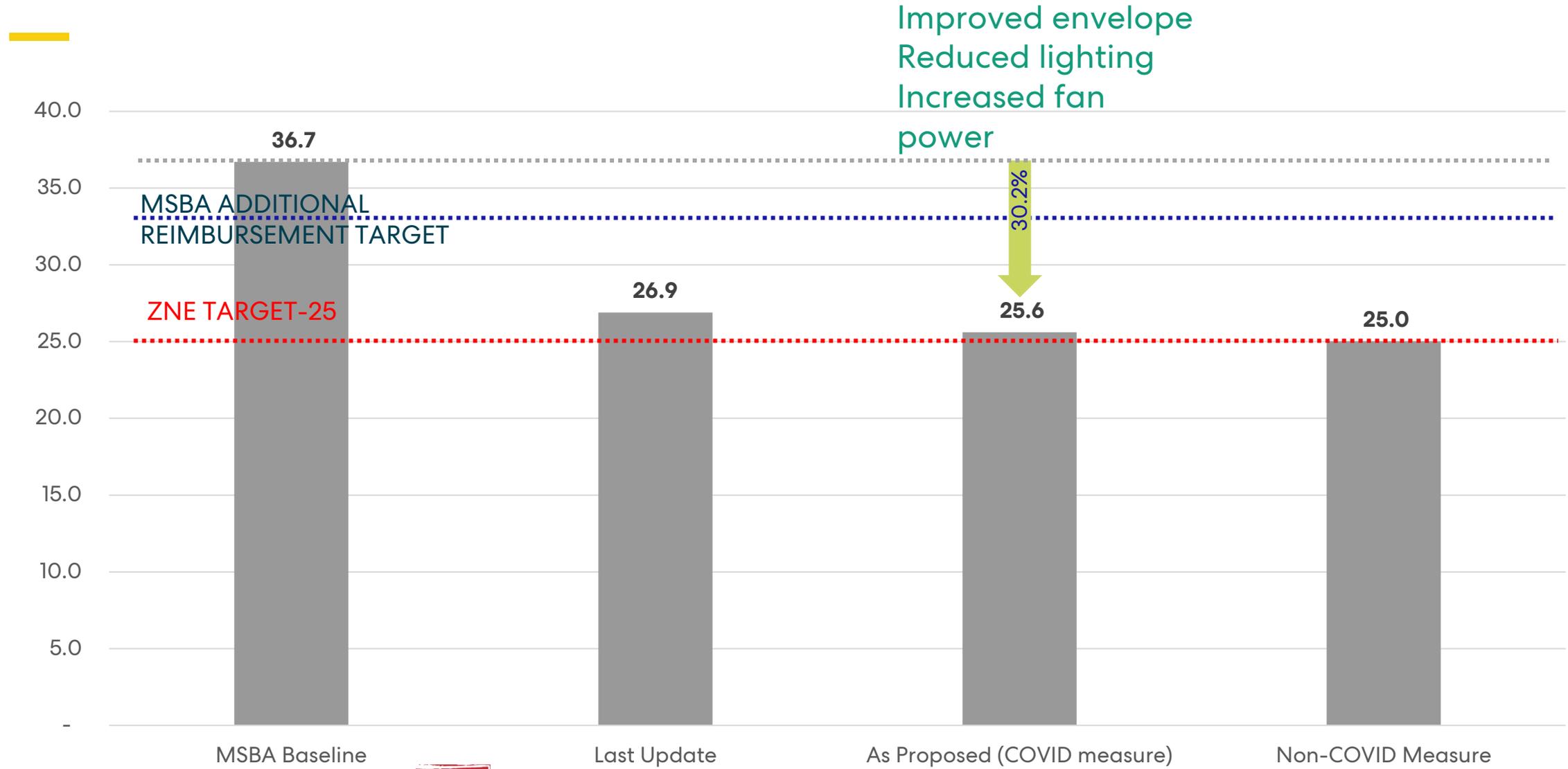
HVAC

- Thermal Zoning – Updated as per BALA's plan
 - VRF
 - Single-zone HRU
 - HRU+FCB
- Fan power –HRU Schedule & FCB Performance Data from BALA
- Water-side system: Geothermal

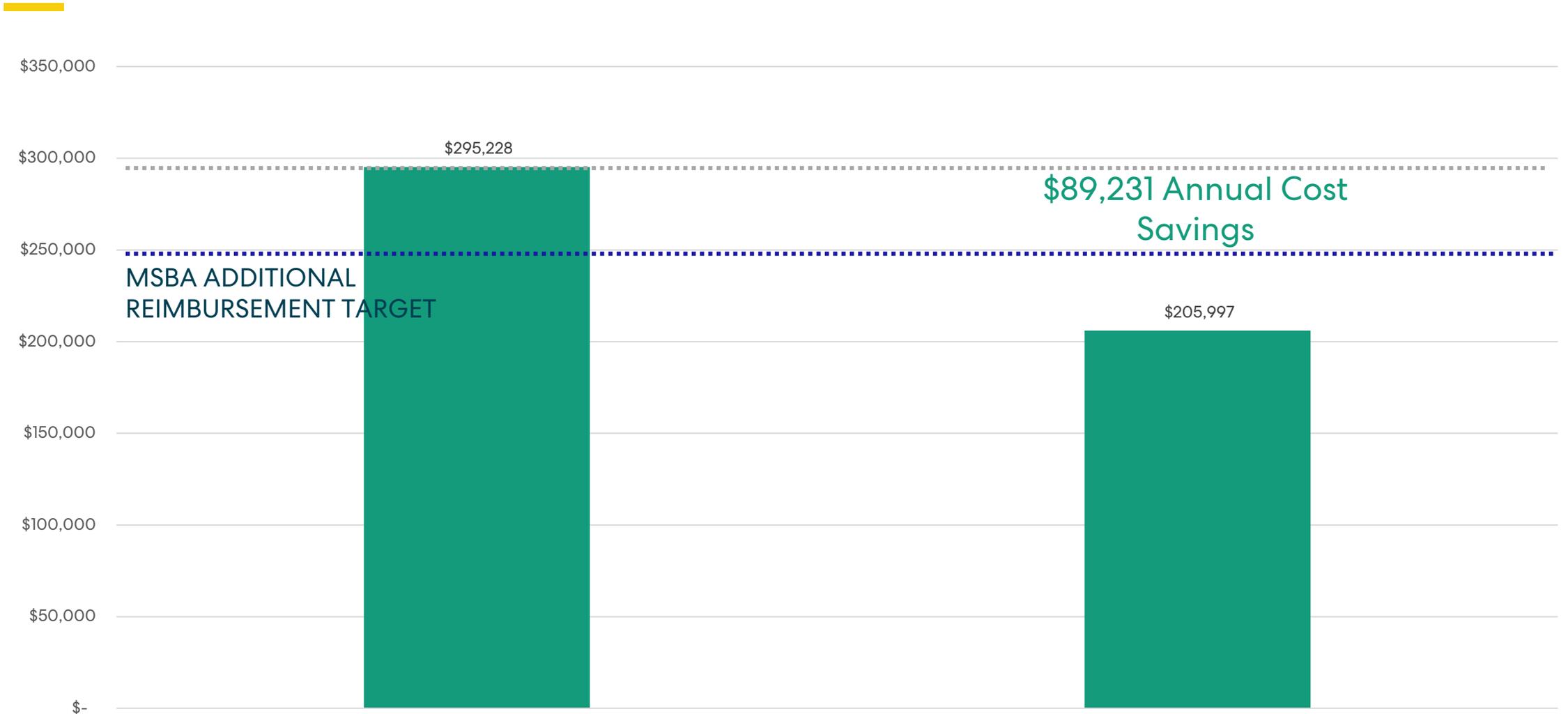
EUI Results



EUI Results

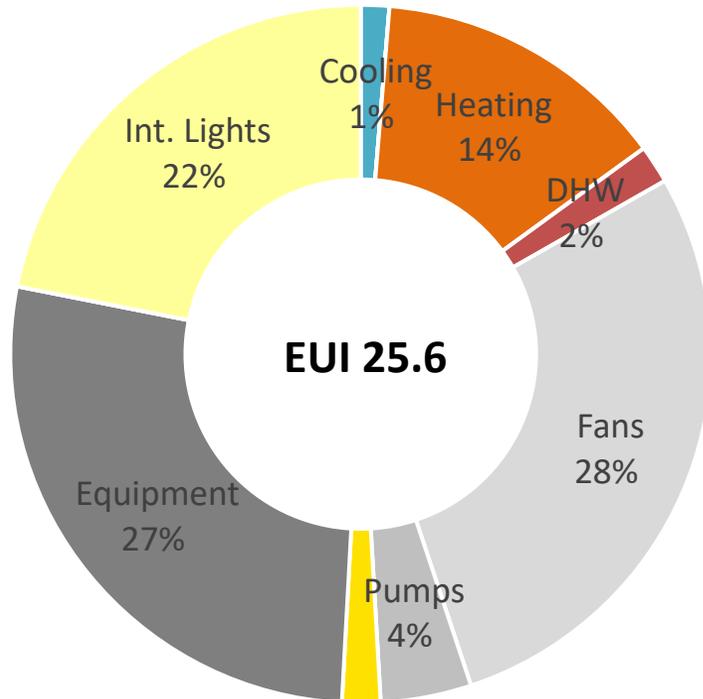


Energy Cost



Energy End Uses

As Proposed (COVID measure)



- Low (improved) heating and cooling energy use – High performance envelope + Geothermal
- High % equipment and interior lighting because of low heating & cooling
- High fan energy use – ducted fan boxes

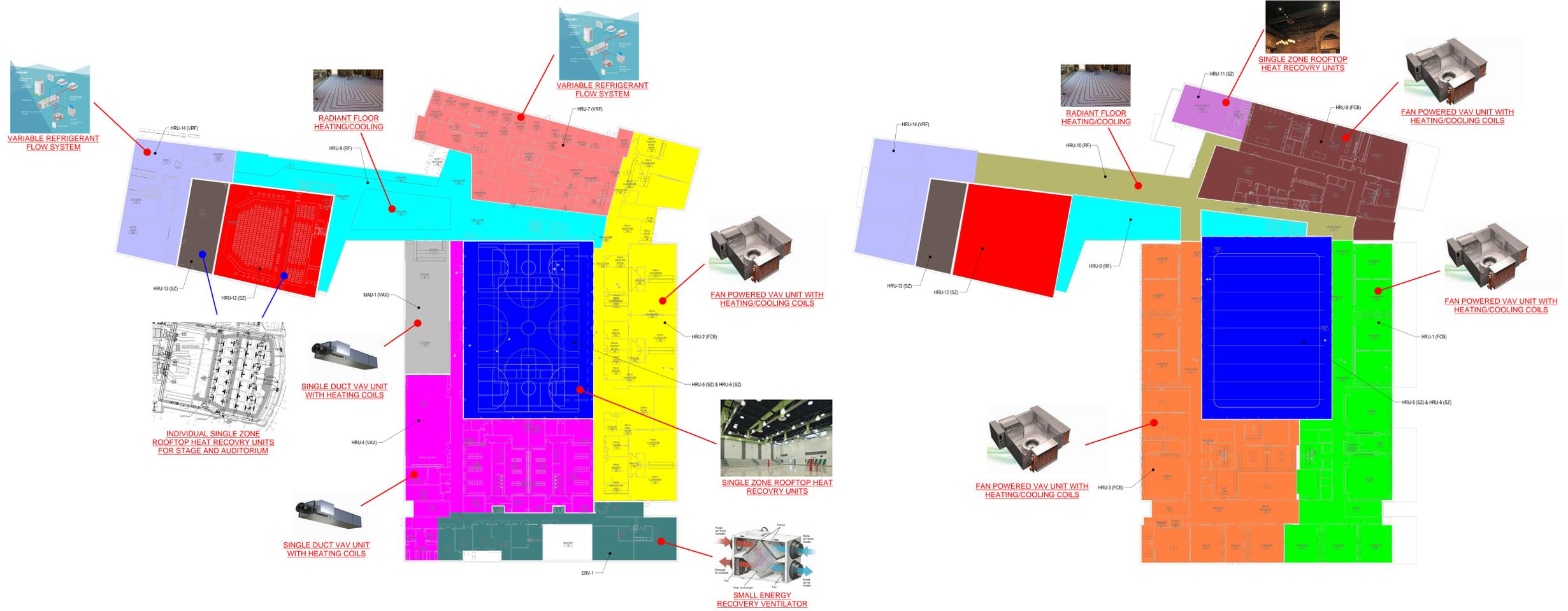
ECM recommendations

- Plug-loads management
- Fan power

Perkins&Will

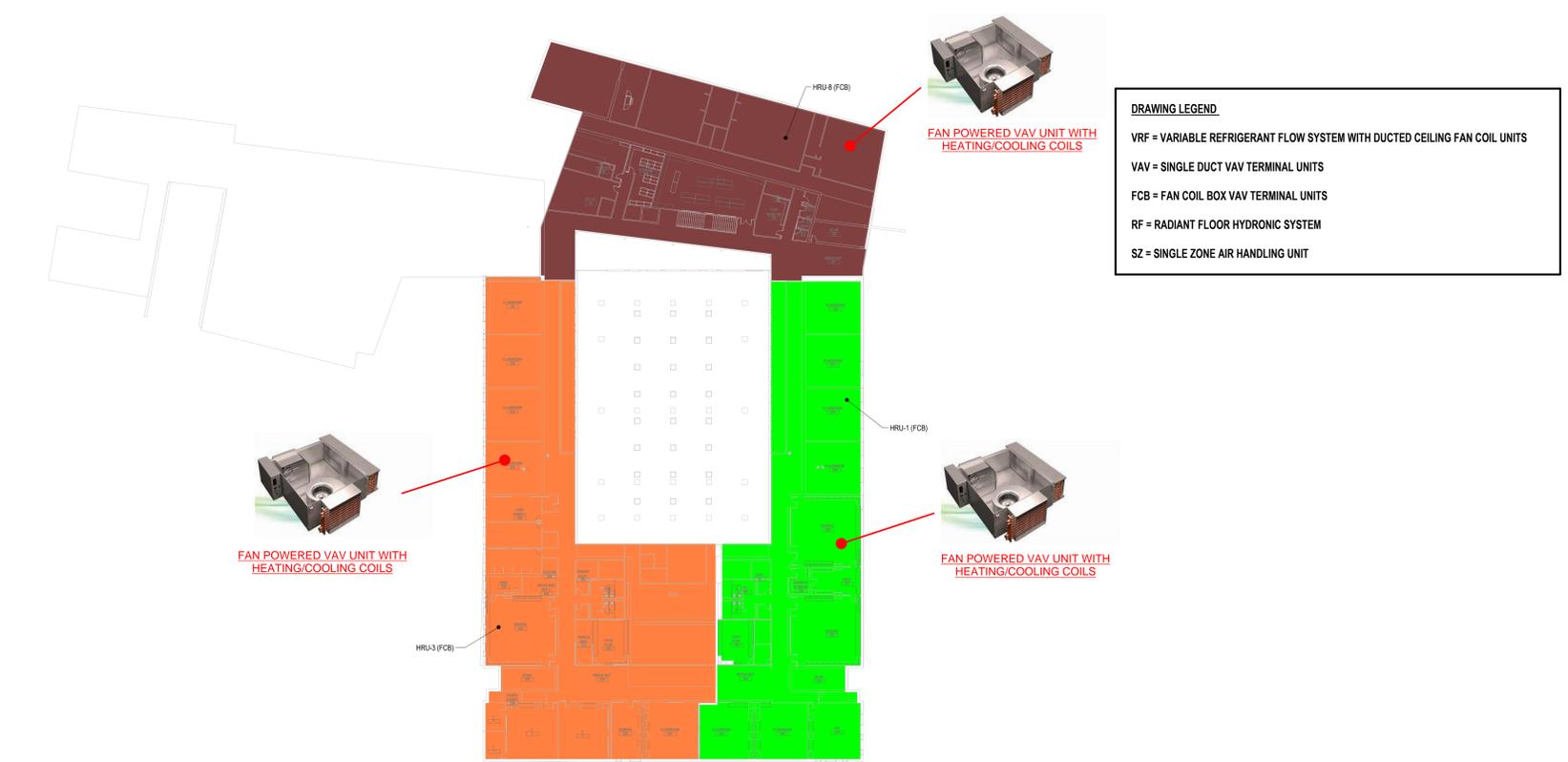
Thank You

Building Committee Meeting



1 HVAC LEVEL 01 ZONING PLAN
NTS

2 HVAC LEVEL 02 ZONING PLAN
NTS

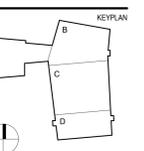


3 HVAC LEVEL 03 ZONING PLAN
NTS

NOTE: DOCUMENTS ARE INCOMPLETE AND MAY NOT BE USED FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION PURPOSES.

PROJECT

Stoneham High School



REVISIONS

DATE REVISION HISTORY MAY BE TRUNCATED AND/OR FULL REVISION HISTORY AVAILABLE FROM ARCHITECT UPON REQUEST.

MARK	ISSUE	DATE

JOB NUMBER	69-20-417
DRAWN	Author
CHECKED	Checker
TITLE	

HVAC ZONING PLAN

M00-02

Project Minutes

Project: Stoneham High School Feasibility Study
 Prepared by: Joel Seeley
 Re: PR Subcommittee Meeting
 Location: Remote Locations
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 4/14/2021
 Time: 3:00pm
 Meeting No: 12

Attendees:

PRESENT	NAME	AFFILIATION
✓	Sharon Iovanni	Chair PR Subcommittee, Community Member
✓	Marie Christie	Co-Chair School Building Committee
✓	Nicole Nial	School Committee Member
✓	Raymie Parker	Chair, Select Board
✓	Lisa Gallagher	Community Member, School Secretary, Past member of Middle School Building Committee
	David Bois	Co-Chair School Building Committee
	John Macero	Superintendent of Schools
	Bryan Lombardi	Principal
	Brooke Trivas	Perkins and Will
✓	Leo Liu	Perkins and Will
✓	Kristy Lyons	Consigli
✓	Joel Seeley	SMMA

Item #	Action	Discussion
12.1	J. Macero S. Iovanni L. Gallagher	<p>Subject-Based Videos <i>(from prior meeting)</i></p> <p>Subject-based videos, approximately 10 minutes long, with J. Macero as emcee, interviewing subject matter experts. Schedule is to tape in April and release to public in May.</p> <ol style="list-style-type: none"> S. Iovanni to draft outline for interviews. L. Gallagher to forward PR Subcommittee's Google Docs page with subject matter experts to J. Macero.
12.2	L. Gallagher	<p>Project-Based Video</p> <p>K. Lyons shared the video from their Sharon High School project. The subcommittee thought this was a very good video, plan would be to develop a similar video and release to public in August/Early September.</p> <ol style="list-style-type: none"> L. Gallagher to ask Chris Serino if he would be interested in developing the video.

Item #	Action	Discussion
12.3	B. Trivas	<p>Town Departments and Committees</p> <ol style="list-style-type: none"> 1. Regulatory Town Departments and Committees meeting held on 2/12/21, B. Trivas to issue meeting minutes. <i>(from prior meeting)</i> 2. R. Parker reviewed letter sent to the Non-Regulatory Town Departments and Committees, attached.
12.4	J. Seeley	<p>Presentation to Capital Improvement Advisory Committee</p> <p>J. Seeley indicated T. Barry indicated the SSBC should attend a late summer 2021 Capital Improvement Advisory Committee meeting. J. Seeley will follow-up then.</p>
12.5	S. Iovanni Subcommittee	<p>Tours of Existing High School <i>(from prior meeting)</i></p> <p>A Virtual Tour will be taped in the summer, B. Lombardi will be the tour guide. In-person Tours will be planned for September.</p> <ol style="list-style-type: none"> 1. S. Iovanni will work with B. Lombardi on key talking points for the tour. 2. Subcommittee members to forward any photographs of existing conditions to A. Brough Palmerino that may better represent the issues for inclusion in the video.
12.6	L. Gallagher L. Liu	<p>Farmers Market</p> <p>The SSBC will have a table at the 7/29/21 Farmers Market, between 2:00pm and 6:00pm.</p> <ol style="list-style-type: none"> 1. Possible exhibits for the table will be Project Poster Boards, Informational Flyers, Physical Model, Video Fly-Through, QR Code to call up video on cell phones. 2. L. Liu will review model and video fly-through options.
12.7	S. Iovanni	<p>Town Day</p> <p>Town Day typically occurs the second Saturday in September, the SSBC to request a booth.</p> <ol style="list-style-type: none"> 1. S. Iovanni reached out to the organizers, still no decision on the schedule.
12.8	S. Iovanni	<p>Concerts on the Common</p> <p>Concerts on the Common typically run June into August. Concerts will be held at the zoo, as a drive in.</p> <ol style="list-style-type: none"> 1. Plan to distribute Project Information Flyers at the concerts. 2. Possibly have Model on display.

Item #	Action	Discussion
12.9	J. Seeley	<p>Community, Sporting and School Events</p> <p>J. Seeley to develop a listing of Community, Sporting and School Events between now and Town Meeting. Some events are:</p> <ol style="list-style-type: none"> 1. Back-to-School Nights 2. Parent Nights 3. Friday Night Football Games 4. School Sporting Events 5. Community Sporting Events
12.10	Subcommittee J. Seeley	<p>Community Forum No. 7 Flyer</p> <p>J. Seeley reviewed the draft Forum Flyer.</p> <ol style="list-style-type: none"> 1. M. Christie asked if the date and time can be more prominent and be moved to the top. <i>L. Liu edited during the meeting, flyer approved, attached.</i> 2. Subcommittee to distribute and post. 3. J. Seeley to post on the project website.
12.11	Subcommittee S. Iovanni	<p>Stoneham Council on Aging Sentinel</p> <p>K. Lyons reviewed single page Insert and S. Iovanni reviewed the preamble text, both attached. Insert is approved.</p> <ol style="list-style-type: none"> 1. Subcommittee to provide comments to S. Iovanni on the text. 2. S. Iovanni to submit to the Sentinel by 4/16/21.
12.12	R. Parker	<p>In-Person Presentation to Senior Center/Council on Aging</p> <p>R. Parker to reach out to the COA to determine best method for in-person presentation, or if remote, what is the best time and process, including if there are any Memorial Day events.</p>
12.13	B. Trivas J. Seeley	<p>Project Informational Flyer <i>(from prior meeting)</i></p> <p>B. Trivas and J. Seeley to update the January Project Informational Flyer for issuance in May.</p>
12.14	J. Seeley	<p>SSBC and Community Meetings Schedule <i>(from prior meeting)</i></p> <p>J. Seeley to develop the SSBC and Community Meetings Schedule from July to the October 4 Town Meeting.</p>
12.15	J. Macero	<p>Meetings with the Superintendent <i>(from prior meeting)</i></p> <p>J. Macero reviewed having a weekly set time for the community to meet with the Superintendent to discuss the project, more to be developed on this topic.</p>

Item #	Action	Discussion
12.16	Subcommittee	Press Release S. Iovanni reviewed the press release, attached, to be issued week of 4/19/21. <ol style="list-style-type: none">1. Subcommittee to provide comments to S. Iovanni.
12.17	Subcommittee	Project Talking Points S. Iovanni reviewed the draft Talking Points, on PR GoogleDocs site. <ol style="list-style-type: none">1. Subcommittee to provide comments to S. Iovanni.
12.18	Subcommittee	Community Survey S. Iovanni reviewed a potential Community Survey to promote engagement during the Schematic Design Phase. The Survey would ask the Community for input on a potential Community History wall graphic, similar to Billerica HS. <ol style="list-style-type: none">1. Subcommittee to provide comments to S. Iovanni.
12.19	Subcommittee	SSBC Drop-In Nights R. Parker reviewed a potential series of SSBC Drop-In Nights, where the SSBC would host a series of drop-in times that the community can obtain project information.
12.20	Record	Next PR Subcommittee Meeting: 4/28/21 at 3:00pm.

Attachments: Letter to the Non-Regulatory Town Departments and Committees, Community Forum No. 7 Flyer, Council on Aging Sentinel Insert and Preamble, Press Release

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes

Information About the Stoneham High School Feasibility Study



The Stoneham School Building Committee (SSBC) is comprised of municipal employees from the School and Town departments, elected representatives from the Select Board, School Committee and Finance and Advisory Board and citizens with a variety of talents and skills suited to the work of bringing a 21st century high school to the students and community of Stoneham. Since being appointed in early 2019, the SSBC has led the development of the Feasibility Study. A series of community outreach meetings

through the spring, summer and fall of 2020 have informed the SSBC in developing the best long term solution for Stoneham High School, a new state of the art facility located on the site of the existing school.

Features and benefits of the project include:

- Appropriately sized classrooms
- SPED (RISE and STRIDE) Spaces
- Engineering, Fabrication and Technology Labs

- Music and Art Spaces
- Optimized building orientation for daylighting/Zero Net Energy design
- Optimized orientation of ALL athletic fields and upgraded facilities
- Upgraded roadways and parking and improved traffic on Franklin Street
- Pedestrian connection from community to expeditionary trail
- District Offices and Pre-K program



Next Steps

SSBC meetings are every two weeks. Meetings and agendas are posted on the project website.

Upcoming SSBC Meetings

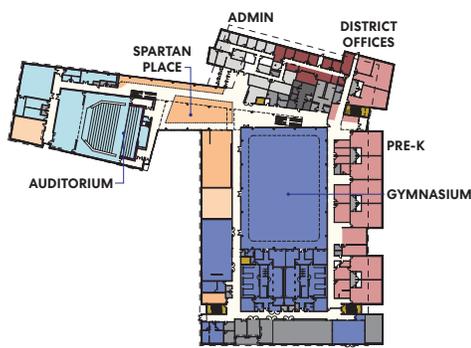
- May 17, 2021
- June 1, 2021
- June 14, 2021
- June 21, 2021
- June 28, 2021

Upcoming Milestones

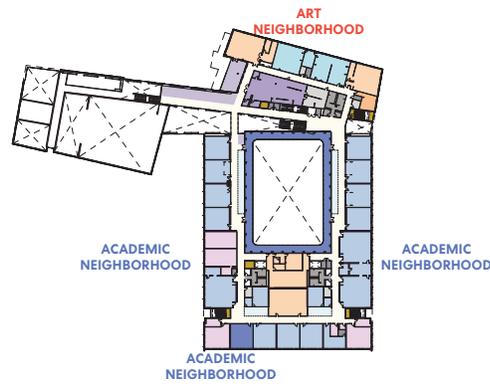
- May 26, 2021** – Community Forum 7
- June 8, 2021** – Tri-Board Meeting 4
- July 7, 2021** – Submit Schematic Design (SD) documents to MSBA
- August 25, 2021** – MSBA Board meeting vote to approve project
- October 4, 2021** – Town Meeting
- November 4, 2021** – Ballot Vote



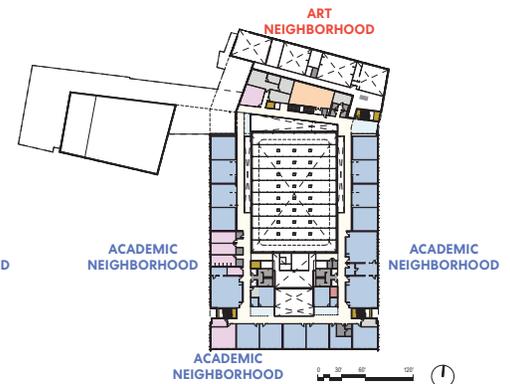
FLOOR PLANS



LEVEL 1



LEVEL 2



LEVEL 3

1. Why are we performing a Feasibility Study?

The 52-year-old Stoneham High School, originally constructed as a Junior High School, has served the community well. The school has reached a point that it no longer meets today's building codes, has inefficient and inoperable building systems and does not support the educational curriculum. The Massachusetts School Building Authority (MSBA) visited the school and agrees. The goal of the Feasibility Study is to investigate the existing conditions and develop a cost effective, sustainable and educationally appropriate solution to the aging Stoneham High School. The MSBA process is rigorous and transparent, and with the approval of the MSBA, the state will provide a grant to support the cost of the project.

2. How long has the Feasibility Study been underway?

This process commenced over eight years ago with the submission of the initial Statement of Interest (SOI) for the Stoneham High School to the MSBA by the Select Board and School Committee. The MSBA deferred the SOI, as well as subsequent submissions for five successive years until the March 2018 submission, which MSBA reviewed and approved in December 2018, agreeing that a Feasibility Study should be undertaken on Stoneham High School.

3. What options have been studied?

Ten (10) design alternatives were discussed and evaluated over the course of sixteen (16) SSBC meetings and four (4) community forums. The committee focused on the following criteria when developing the options: educational benefits, cost, minimal disruption during construction, sustainability, community use and traffic.

After reviewing five (5) design options, narrowed down from ten (10) initial options, the SSBC, on December 16, 2020, made the final selection of the Preferred Solution - an all new construction three-story building, located to the north and east of the existing building.

The total cost of the project is \$176.2 million and after the MSBA grant of \$50.9 million, the cost to Stoneham will be \$125.3 million.

4. What does Zero Net Energy mean and why is it important to Stoneham?

Zero Net Energy (ZNE) means a building produces as much clean, renewable energy on the building and surrounding grounds in a given year as it uses from the electric company. So overall at the end of the one-year period, it has zeroed out the energy it used from the utility by producing an equal amount of clean renewable energy locally. This is important to Stoneham as the high school will be the single largest energy use building in Town and being ZNE will reduce Town costs over the decades to come.

5. Will Franklin Street traffic be affected?

The project includes mitigation measures to improve the traffic along Franklin Street, especially during morning school arrivals. The roadways and parking in each design option have been expanded and redesigned to improve traffic flow and provide more queuing space for cars on site and off of Franklin Street. Additionally, a new traffic signal is being planned for the Stevens Street and Franklin Street intersection, synchronized with the new signal at the school entrance to improve traffic circulation.

6. When will the Town be voting to approve the project?

At the October 4, 2021 Town Meeting, the Town will be asked to approve the project funding. The ballot vote on November 2, 2021 will ask the voters to approve the exclusion of the costs from the so-called Proposition 2 ½.

7. How can I keep informed of the high school project?

You can visit www.stoneham-ma.gov/hsbc to find a complete list of Committee members, contact information and all published documentation.

SSBC TALKING POINTS

SSBC Goals:

- Build a Community facility designed to meet the needs of the school and the Town of Stoneham now and well into the future.
- Develop a long-term solution to our aging tired High School.
- Provide a school that is healthy, safe, code-compliant, and a place of which Stoneham residents can be proud.
- Provide flexible, 21st Century educational spaces with learning communities that promote interdisciplinary, project-based learning.
- Create a space to house the National History Project program, as well as a Stoneham History program.
- Engineer a school that is energy efficient and capable of operating at Zero Net Energy, ultimately saving taxpayers significant tax dollars in years to come.
- Develop outdoor classrooms, gathering spaces, healthy connections to nature, and athletic facilities.
- Create a large and safe space to house our growing Pre-K Program, freeing space at the Elementary schools for the growing grades one through four population.
- Build a gymnasium similar in size to the current one to provide indoor athletics for students including gymnastics and town wide leagues and hosting for district and larger competitions/tournaments.
- Include an Indoor Elevated Jogging/Walking Track for student and community use.
- Include a modern auditorium to host high school and district-wide assemblies and community-wide events such as District performances and Town Meetings.
- Build a state of the art Central Kitchen to feed elementary and high school students.
- Mitigate the effects the High School has on surrounding traffic challenges.

Proposed attributes of a new building:

- SPED (RISE and STRIDE) Spaces
- Elevator access to all levels of the building
- Adaptive classrooms to meet all current and future students' needs
- STEAM Innovation Hubs
- Engineering and Technology Labs
- Maker Space and Fabrication Labs
- Music and Art Space
- Collaboration Spaces
- Interdisciplinary Project and Performance Room
- Replacement of existing fields with three Synthetic Turf Fields with Lighting, One of which is a New Stadium with Track and Bleachers, to serve as a school and community amenity
- Reconstructed Natural Turf Baseball and Softball Fields
- Reconstructed Tennis Courts, added Pickle Ball Courts
- Outdoor Locker Room, Toilet and Concession Building
- Access to Nature Trails
- Rain Gardens for storm water management
- Amphitheatre available for student production use and community-wide programs.
- South-facing outdoor projection wall to display videos and media projects.
- Extended cueing area along access road to the new building to draw more vehicles off of Franklin Street at start times, and hold more vehicles at release times
- Reconstruction of traffic lights on Franklin Street between Stevens Street and the High School entrance to allow for better traffic flow
- Defined pathways for walking to and from the new building with north, south, and west accessibility

FOR IMMEDIATE RELEASE

Contact: Sharon Iovanni

siovanni01@gmail.com

781-248-9754

The Spartan Story – Envisioning Stoneham High School 2024

Stoneham, MA –It's been eight years since the first Statement of Interest regarding Stoneham's 50+ year old high school project was first proposed to the Massachusetts School Building Authority (MSBA), and denied. After several attempts through 2017 another attempt was made in March of 2018 and in an exciting shift, the MSBA invited Stoneham into the Eligibility Period on December 12, 2018 and in October, 2019 invited Stoneham into the Feasibility Study period and the work began.

The Stoneham School Building Committee was formed, comprised of municipal employees from the School and Town departments, elected representatives from the Select Board, School Committee and Finance & Advisory Board and citizens with a variety of talents and skills suited to the work of bringing a 21st century high school to the students and community of Stoneham. This group set to work finding an Owners Project Manager - Symmes Maini McKee, and later approving Perkins&Will, as the group's design architects and most recently, the hiring of the Construction Manager at Risk - Consigli Construction Company, Inc.

The Committee faced numerous challenges as its work continued including the impact of the Covid Pandemic, which forced meetings online, and yet the work continued. By October, 2020, the Committee was ready to submit its 400 page Preliminary Design Program (PDP), which detailed the five options the Committee was considering for the new High School. With MSBA's approval of the PDP, the Committee next began work on refining its options and in December 2020, submitted an equally voluminous Preferred Schematic Design proposal to the MSBA, which was approved on February 11, 2021.

The Committee is currently working to refine the design and anticipated costs for submission of the Schematic Design Documents, which is due to the MSBA on July 7, 2021. It is anticipated that a final decision will be rendered by the MSBA on August 25th 2021.

The proposed new building will be sited on the current Franklin Street property in the southeast corner, on what is currently a practice field. The building design is comprised of

two wings, connected by Spartan Place on the first floor and a media bridge on the second floor. The east side of the building will house the District Offices, the High School offices, a Pre-Kindergarten Program including eight classrooms, academic classrooms on the second and third floors, a gymnasium with an elevated walking track and skylights, and the food service and cafeteria area with access to Spartan Plaza, an outdoor seating and potential classroom space. The west side of the building will be two stories with a state-of-the-art Auditorium with media spaces, music and choral class spaces and maker spaces.

The current design also includes an amphitheater for outdoor school and community cultural events, community walking paths around the perimeter of the property, re-aligned athletic fields with turf or natural grass and tennis courts all of which will also be accessible to town leagues.

“The new school will provide the students of Stoneham a vibrant and state of the art educational facility that will best support 21st Century learning,” says SHS Principal Bryan Lombardi. “The new Stoneham High School will provide students the relevant learning experiences, content and skill development to support their success in a competitive world of post-secondary education and career choices.”

The SSBC Project Goals focused on providing flexible 21st century educational spaces with learning communities that promote interdisciplinary and project-based learning; on providing a long-term solution to our aging high school building; on engineering a school that is efficient and capable of operating at Zero Net Energy; on developing outdoor classrooms and gathering spaces for healthy connections to nature and athletics; on providing a safe Pre-K environment for a growing program that will make more room for a growing elementary population in neighborhood school buildings; and on mitigating as best possible the effects the project has on area traffic challenges.

The proposed complex will accomplish many of the stated goals, providing an auditorium large enough to house Town and Community meetings if needed, a modern central kitchen to provide meals for the elementary and high school programs and a space to host smaller events such as Stoneham High School’s highly successful National History Day project – all in a building designed to meet Zero Net Energy Goals using no fossil fuels, a geothermal heat exchange system and a focus on low carbon/material health, with an anticipated payback period of six to eight years. Rain Gardens placed along the entrance, will collect and screen rainwater which flows into the drainage system, providing an environmental benefit, as well as an educational opportunity for science classes.

Over the coming months, the SSBC will continue to work with SMMA, Perkins&Will and Consigli Construction to refine the indoor and outdoor spaces on the site and prepare for the final submission to the MSBA in July. A Community Forum will be held virtually on May 26 at 6:30 p.m. to provide a progress update. The Committee also plans to present project plans to community stakeholders, including business groups and non-profit organizations, as well as town Committees and Boards both virtually and in person. The Committee will also present a number of informational videos on local access television to be aired over the summer months.

SSBC Meetings are held twice a month on Monday evenings beginning at 7:00 p.m. virtually. The School Building Committee meetings are open to all and the Committee welcomes your attendance and input. Details for attending meetings virtually can be found at <https://www.stoneham-ma.gov/hsbc> .

If you cannot attend the meeting in person, you can find online versions of the meeting live, on Stoneham TV government channels (Comcast 22, RCN 15 and Verizon 36). You can also view the meetings at any time on <https://www.stonehamtv.org/ondemand> in the Stoneham School Building Committee section. For more detailed information about the SSBC including meeting minutes, presentations and upcoming meetings, visit <http://www.stoneham-ma.gov/hsbc>.



A PUBLICATION OF THE STONEHAM COUNCIL ON AGING

STONEHAM SENTINEL

136 Elm Street, Stoneham, MA 02180 - www.stonehamseniorcenter.org
(phone) 781-438-1157 781-438-1161 (fax) 781-279-4904



MAY 2021

CONTENTS:

Greeting	1
Community.....	2
On-line Learning.....	3
Article of the month	4
What's Happening.....	5
Senior Spotlight.....	6-7
Enrichment and Resources.....	8
Caregivers Corner.....	9
Mel-Wak programs.....	9
Transportation.....	10

"The same boiling water that softens the potato hardens the egg. It's what you're made of, not the circumstances." – Unknown

Thank you to our generous donors!

- * Donna Weiss
- * Patricia Jutras
- * Gladys Bachelder
- * Gisela Moore
- * John LeBlanc for wife Terry
- * Made in memory of loved one



I saw some flowers pushing up through the leaves this morning and it brought a smile to my face remembering the many seasons that have passed when I'm happy to see signs of spring.

On May 31, we celebrate a different day of remembering as Memorial Day comes again. Traditionally Memorial Day is viewed as a time of honor and remembrance of those who gave their lives in service to our country. Throughout the United States it is common to visit cemeteries, particularly military ones, and decorate graves of the deceased with flowers, small flags and wreaths. Other common traditions of Memorial Day 2021 that are still practiced today include the raising the U.S. flag quickly to the tops of flagpoles, slowly lowered to half-mast, and then it is raised again to full height at noon. The lowering of the flag at half-mast is meant to honor the fallen soldiers who have died for their country over the years. While re-raising the flag is meant to symbolize the resolve of the living to carry on the fight for freedom so that the nation's heroes will not have died in vain.

We are grateful to them, and we are grateful for you, our community members, who keep these traditions alive, giving us a common thread to knit us together.

Please call to let us know how we can be of assistance to you, or just call to check in at 781-438-1157 or 781-850-0619

Maureen and staff

Maureen Canova, Director
Stoneham Council on Aging and Stoneham Senior Center



STONEHAM HIGH SCHOOL PROJECT UPDATE

PROPOSED SHS PROJECT BEGINS TO TAKE SHAPE: In this newsletter on page 5, you'll find a graphic of the proposed Stoneham High School project, which continues to be refined and ultimately be submitted to the Massachusetts School Building Authority (MSBA) this coming July for its approval. In October, Town Meeting members will be asked to approve the funding for the project; and, if approved, a proposition 2 ½ debt exclusion ballot vote will be conducted in November.

We will be providing short videos on Stoneham TV in the coming months to share more details about the project. The next Community Forum will be held on May 26, 2021 at 6:30 p.m. virtually. More information about the project and future meetings can be found at <http://www.stoneham-ma.gov/hsrc>.

COMMUNITY BULLETIN

MYSTIC VALLEY ELDER SERVICES



Diabetes. Healthy eating. Stress reduction. Fall prevention. These issues all affect older adults yet many do not know where to turn for resources to help them address these challenges effectively. Enter the Healthy Aging Program at Mystic Valley Elder Services (MVES), a comprehensive program of classes designed specifically for seniors wanting to remain healthy and independent in their own homes.

"Open to any older adult from the 11 communities served by MVES, our classes provide the perfect platform for learning and sharing," says Donna Covelle, Healthy Aging Program coordinator for MVES. "In addition, our classes are made available at no cost, making them accessible to any older adult wanting to participate.

"MVES Healthy Aging Program offerings include a chronic disease self-management class, diabetes self-management class, healthy eating for successful living class, fall prevention class, and tai chi classes. Classes are held in series ranging from 6-8 weeks. Each class typically has between eight and 12 participants

To learn more about the MVES Healthy Aging Program, please contact Donna Covelle at dcovelle@mves.org 781-388-4867.



As the days ahead are beginning to look brighter, we want to express our gratitude to so many in our community who have supported the Council on Aging/Senior Center and the residents we serve during this challenging year.

On behalf of the staff and Board of Directors, we are so thankful to the Friends of the Stoneham Senior Center for supporting new outreach programs that have been developed over the past months. The Friends Group has been instrumental in allowing us to continue on our

mission of supporting older adults and their families. Programs included the distribution of greeting cards sent to over 2,000 residents simply to say hello and remind them that although we are not open to the public, the staff is available to assist in any way we can. Whether it was buying masks for distribution or goodies for our Grab & Go events throughout the year, this group has been there for us.

We also want to thank Representative Michael Day and his team for supporting our St. Patrick's Day event with a delicious traditional Irish luncheon catered by Nobility Hill of Stoneham and more importantly, taking the time to be at the event to greet residents and converse (at a safe distance) and listen to some great Irish music.

We are grateful for the generosity of Wegman's of Burlington, Market Basket of Reading, Accardi Foods of Medford, Lowe's of Woburn, Harrow's of Reading, Evergreen Florist of Stoneham and StonehamBank for making the many Grab & Go events fun and full of surprises for all those who attended. StonehamBank's staff has also volunteered their time to be at these events and assist in other outreach efforts. Stop & Shop of Stoneham has also been a wonderful partner during this past year, providing "essential bags" to residents, collaborating with town officials and employees to coordinate and deliver much needed groceries to residents during first 6 months of the pandemic, and for the ongoing support of our monthly events.

A big thank you as well to Melrose Wakefield Healthcare for their continuous delivery of "essential bags" of items that have been distributed to those who could use a little extra support at this time. We are also thankful to members of the Stoneham Coalition for a Safe and Healthy Community who so graciously assisted in delivering tea time bags to residents and made numerous care calls to residents to check in.

We are so very fortunate to have such a caring community that have stepped up with open arms to support older adults when support was needed the most!

VIRTUAL LEARNING

WELCOME TO ART TUESDAY Classes with Susan McFarlane 1-2pm Tuesdays, via Zoom!

Drawing In a positive atmosphere, discover ways to improve, or begin, drawing the world around you. Work with materials readily available at home. This class will cover foundational drawing skills-proportion, perspective, and value to help you draw a 3D world.

Zentangle Take a break with a relaxing, meditative, easy to learn drawing practice. No prior art experience required. You will need paper, a pencil, and a pen (felt tip, Micron, or something that writes nicely). A blender/tortillon, or rolled paper is helpful for shading.

Zentangle two parts May 4 & 25, and one drawing class May 11 (no class on May 18) After registering, you will receive a confirmation email containing information about joining the meetings. Register once and attend any of the sessions. If you've registered for a previous session, you are still registered.

Class opted for **ZEN GEMS, TWO PART SERIES** in May: Materials needed:

- * smooth paper with a bit of tooth (examples: Zentangle tile, Artist tile, hot press watercolor paper, BFK printmaking paper, heavy drawing paper)
- * Prismacolor brand colored pencils (must have a bit of wax in the pencil for the technique to work). Choose ONE color scheme and get dark, medium, light, plus a light contrasting color. WHITE is needed for layering and blending. Here are some suggested color combinations:
- * Black Grape 996, Tuscan Red 937, Carmine Red 926, Spanish Orange 1003, WHITE
- * Violet Blue 933, Peacock Blue 1027, Cerulean Blue 904, Violet Parma 1008, WHITE
- * Indigo Blue 901, Dark Green 908, Apple Green 912, Deco Yellow 1011, WHITE
- * **MUST HAVE ONE SET**, total of 5 pencils. Each single gem uses 5 colors. If you want more than one gem you may use more than one set to get different color gems. Michaels sells these pencils singly and in sets. The pencils cost about \$2-3 per pencil.
- * pencil
- * micron
- * tortillon/blending stump

JACKIE SORENSON AEROBICS CLASSES HOSTED BY ROSEMARY GRAHAM

The Senior Center is working with Jacki Sorensen Instructor Rosemary Graham to offer Fitness Classes on **Zoom** Monday through Saturday at 9:00 am. If you would like to join please e-mail Rosemary Graham at: rosemarygraham700@yahoo.com

RELAXATION CIRCLE WITH ANGELA SHEA

Join us as we focus and practice various simple techniques that can be used daily to aid in relaxing and help begin the 'Mind-Body-Spirit' connection. Please contact Angela at angelite9@gmail.com to get the Zoom link.

FITNESS CLASSES WITH AIMEE BORDA

1. Zumba® Fitness Monday 11:15 am and Friday 12 noon Fee \$3

We take the "work" out of workout, by mixing low-intensity and high-intensity moves for an interval-style, calorie-burning dance fitness party. Once the Latin and World rhythms take over, you'll see why Zumba classes are often called exercise in disguise. Equipment: towel, water, lots of energy

2. Dance & Tone Wednesday 11:15 pm Fee \$3

We start off with some simple, but fun dance choreographies, followed by some toning exercises combined with dance moves (interval training style). We will use all our muscle groups, using light dumbbells and body weight. Some stretches to improve our flexibility will be included at the end of the class. Exercises can be performed standing or seated. Modifications will be taught if needed, so all are welcome! Equipment: light dumbbells or bottles of water, mat, if going on the floor, towel

3.® Fitness plus Total Body Conditioning Saturday 12-1 pm Fee \$5

This 60 min class, consists of 30 minutes of Zumba® Fitness, and 30 minutes of Total Body Conditioning, where we will be working on all our muscle groups, using whatever pieces of fitness equipment you have, (resistance bands, Pilate rings, dumbbells, bars and body weight). If no equipment available, I'll provide options of improvised equipment). Some flexibility exercises will be included at the end of the class. Modifications will be taught if needed, so all fitness levels are welcome!

For more information, or to register for a class, please contact Aimee at aimee@nushapept.com or 617-304-3903.

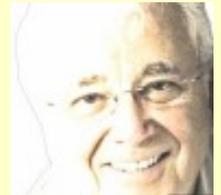
I NOTICED AN INSECT BITE THAT HAS BEEN THERE FOR A WHILE. THERE'S NO RASH, BUT IS IT POSSIBLE I COULD HAVE ACQUIRED LYME DISEASE?

With the arrival of spring and Lyme disease waiting to pounce, here are a few things to remember:

1. If you've been bitten and the round rash is larger than a LIME consider LYME disease and call your physician.
2. Most ticks that attach to humans are not the deer tick but are the wood or dog tick, which does not carry the bacterial organism
3. The deer tick has an orange colored cello-like figure on its body distinguishing it from the white necklace of the black dog tick
4. The deer tick must stay attached 24-48 hrs to cause Lyme disease.
5. Avoid tall grass from spring to fall and wear a repellent whenever possible.
6. Do not attempt to obtain the Lyme test too early, before antibodies have become elevated, since the test may be FALSELY negative. (There is no benefit of blood testing for Lyme disease at the time of the tick bite; even people who become infected will not have a positive blood test until approximately two to six weeks after the infection develops (post-tick bite).
7. If Lyme is suspected, but no symptoms are present, it is best to see your physician to start a prescription immediately with low dose, short course antibiotic.

The above remedies are readily available over the counter and have worked very well in my practice. If no improvement with the above, of course, see your dermatologist, as you may need a prescription.

The Senior Center wishes to thank Dr. Philip Ellerin, retired dermatologist, for the above information. Treatments are suggestions based on his experience and are not meant to replace a visit with your physician.



DID YOU KNOW?



1. **Age doesn't determine success.** The founder of Kentucky Fried Chicken, Harland David Sanders (a.k.a. Colonel Sanders), started Kentucky Fried Chicken at the age of 65!
2. **We lose a few bones along the way.** We are born with 350 bones in our skeleton. Over the course of time and during our aging process, our bones fuse together leaving us with 206 bones as adults.
3. **Seniors hold the most voting power.** When it comes to voting in the United States, those 60 and over cast more ballots than any other age group.
4. **Creativity doesn't diminish with age.** Laura Ingalls Wilder didn't publish Little House in the Big Woods until 65. Millard Kaufman didn't publish his first novel until 90!
5. **Seniors are living longer.** Due to advancements in health care and technology, people are living longer. By the year 2040 the population of seniors over 85 is expected to triple from 5.7 million to 14.1 million.
6. **...and growing faster.** According to the US Census Bureau, older adults make up the fastest growing age group within the United States.
7. **You (mostly) have control over aging.** Studies argue that only 30% of the characteristics associated with aging are controlled by genetics. The remaining 70% is controlled by chosen lifestyle factors.
8. **There's less stress after 65.** Despite citing other health and money concerns, those 65 and older experience less stress.
9. **Learning can save your brain.** In response to learning, senior citizens can grow new neurons over time which can help fight off dementia.
10. **Sleeping habits alter over time.** Our sleeping patterns change as we age: we get tired earlier and wake up earlier.

Stoneham High School Community Update



Perkins&Will

SMMA
Project Management


CONSIGLI
Est. 1905

MAY, 2021

Project Minutes

Project: Stoneham High School Feasibility Study
 Prepared by: Joel Seeley
 Re: Green Building Initiatives Meeting
 Location: Remote Locations
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 4/12/2021
 Time: 10:00am
 Meeting No: 12

Attendees:

PRESENT	NAME	AFFILIATION
	Marie Christie	Co-Chair, School Building Committee
	David Bois	Co-Chair, School Building Committee
✓	Raymie Parker	Chair, Select Board
✓	Dennis Sheehan	Town Administrator
✓	John Macero	Superintendent of Schools
✓	Brian McNeil	Facilities Director
	Erin Wortman	Director, Planning and Community Development
	Susan McPhee	Energy Conservation Coordinator
	David Mauer	School Committee
✓	Kimberly Cullinane	Eversource - Electricity
	Mark Rooney	Eversource - Electricity
	Denise Rouleau	National Grid - Gas
✓	Vamshi Gooje	Thornton Tomasetti
✓	Xiaoshu Du	Thornton Tomasetti
	Brooke Trivas	Perkins and Will
✓	Patrick Cunningham	Perkins and Will
	Kevin Caddle	BALA
	Edward Dolan	BALA
✓	Steve Burke	Consigli
✓	Joel Seeley	SMMA

Item #	Action	Discussion
12.1	D. Sheehan P. Cunningham J. Seeley V. Gooje	Photovoltaic (PV) System <ol style="list-style-type: none"> D. Sheehan will coordinate with A. Lanni on procuring SEA mid-June. <i>(from prior meeting)</i> P. Cunningham indicated the shading analysis of the Parking Lot canopies shows the building has minimal impact on the canopies, will present to SSBC at 4/26/21 meeting.

Item #	Action	Discussion
		<ol style="list-style-type: none"> 3. P. Cunningham to confirm with BALA the approximate area needed for battery unit, transclosers, disconnect switches and transformers that are anticipated to be provided by the PV Vender. J. Seeley will send an example project to P. Cunningham. 4. D. Sheehan will confirm with Town Counsel on the whether the School Committee or Select Board will sign the Letter of Support with the PV Vender for the SMART Program. <i>(from prior meeting)</i> 5. V. Gooje to provide E. Dolan a copy of the Basis of Design relative to degree day decisions used on the ABRSD school. <i>(from prior meeting)</i>
12.2	P. Cunningham	<p>Building Envelope</p> <ol style="list-style-type: none"> 1. Extent of glass curtainwall around Spartan Place will be reviewed at the Security meeting. 2. P. Cunningham to provide pros and cons for operable classroom windows for review at the next meeting.
12.3	V. Gooje	<p>Energy Model</p> <ol style="list-style-type: none"> 1. V. Gooje to update the Energy Model and present to the SSBC at the 4/26/21 meeting. 2. J. Macero indicated the assumed Hours of Operation Schedule submitted by V. Gooje is correct, except the Auditorium and Gymnasium hours should extend to 10:00pm.
12.4	P. Cunningham	<p>Geo-Thermal System</p> <ol style="list-style-type: none"> 1. P. Cunningham to reach out to McPhail to determine drilling schedule.
12.5	V. Gooje	<p>Plug Load Management</p> <ol style="list-style-type: none"> 1. V. Gooje to provide an overview at the 4/26/21 SSBC meeting and the importance of managing the culture. Plug load accounts for approximately 30% of energy usage.
12.6	S. McPhee P. Cunningham	<p>Electric Vehicle Charging Stations</p> <ol style="list-style-type: none"> 1. S. McPhee will confirm if there are grants to pay for the provision and installation of the charging units. <i>(from prior meeting)</i> 2. P. Cunningham to confirm what the LEED V4 credit guidelines are for the charging stations and which parking lots would be suitable for them. <i>(from prior meeting)</i>
12.7	P. Cunningham	<p>Full Load Electrical Capacity at Franklin Street</p> <p>P. Cunningham to confirm with K. Caddle that the Eversource Work Order Application is all set and the timeline when Eversource can confirm load capacity.</p>

Item #	Action	Discussion
12.8	J. Seeley	Student Green Team 1. J. Seeley indicated B. Lombardi forwarded Mary Height's contact information, J. Seeley to follow-up.
12.9	BALA	MEP Systems Presentation 1. MEP Engineers to present their systems to the SSBC at the 4/26/21 meeting.
12.10	Record	Electric Kitchen and Culinary Arts Equipment P. Cunningham indicated electric kitchen equipment was discussed with teachers and staff at the one-on-one meetings, J. Macero indicated electric equipment is the direction.
12.11	P. Cunningham	Gas for Science Rooms and Emergency Generator P. Cunningham to follow-up on gas needs in the Science Rooms and if existing gas main can remain and be used.
12.12	Record	Next Green Building Initiatives Meeting: 4/20/21 at 10:00am.

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes

Project Minutes

Project: Stoneham High School Feasibility Study
 Prepared by: Joel Seeley
 Re: Play Fields Subcommittee Meeting
 Location: Remote Locations
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 4/15/2021
 Time: 4:00pm
 Meeting No: 1

Attendees:

PRESENT	NAME	AFFILIATION
✓	David Pignone	Chair, Play Fields Subcommittee
✓	Marie Christie	Co-Chair School Building Committee
	David Bois	Co-Chair, School Building Committee; Community Member with Architecture Experience
✓	Nicole Nial	School Committee Member
✓	Stephen O'Neill	Community Member with Engineering Experience
✓	Josephine Thomson	Community Member
✓	Paul Ryder	Community Member with Construction Experience
✓	Kevin Yianacopolus	Local Official responsible for Building Maintenance
✓	Bryan Lombardi	Stoneham High School Principal
✓	Brian McNeil	Town Facilities Director
✓	April Lanni	Town Procurement Officer / MCPPO Certified
✓	Brooke Trivas	Perkins and Will
✓	Stephen Messinger	Perkins and Will
✓	David Warner	Warner Larson
✓	Kristy Lyons	Consigli
✓	Joel Seeley	SMMA

Item #	Action	Discussion
1.1	Record	<p>Mission and Timeline</p> <p>The mission is to review and confirm the scope of the playfields work that will be included in the Schematic Design site pricing set to be issued to PM&C and Consigli on 5/3/21 to commence estimating.</p>
1.2	Record	A motion was made by K. Yianacopolus and seconded by P. Ryder to appoint D. Pignone as chair of the Play Fields Subcommittee. No discussion, motion passed unanimous by roll call vote.
1.3	Record	J. Seeley reviewed the Estimating Schedule, attached.
1.4	Record	D. Warner reviewed the Site Plan, attached.

Item #	Action	Discussion
1.5	Record	K. Lyons reviewed the Play Fields Construction Phasing Schedule, attached.
1.6	D. Warner K. Lyons	Subcommittee Discussion <ol style="list-style-type: none">1. D. Pignone asked how many Pickleball courts fit within a tennis court footprint? <i>D. Warner indicated (4) but (2) provides better separation and the tennis court net can remain.</i>2. K. Yianacopolus asked how many "D" zones will there be? <i>D. Warner indicated (2), finished with the track surfacing material. The field events in each are still being worked out.</i>3. K. Yianacopolus asked will the baseball field have a bullpen? <i>D. Warner indicated yes, not a structure though, only a throwing area along the foul line.</i>4. B. McNeil asked if the baseball dugouts will be recessed into grade? <i>D. Warner indicated no, the dugouts will be at grade for accessibility.</i>5. K. Yianacopolus asked what are the sizes of fields? <i>D. Warner indicated the fields sizes are as follows:</i><ol style="list-style-type: none">a) Soccer field: 180 feet x 330 feet with 15 feet of overrun on all 4 sidesb) Baseball field: 330 feet at both left and right foul polesc) Softball field: 225 feet at outfield fenced) Lacrosse field: 180 feet x 330 feet with 15 feet of overrun on all 4 sides6. S. O'Neill asked if the soccer field size can be increased? <i>D. Warner indicated the only way to increase is to reduce the 15 foot overrun, which he would not recommend. Further increasing the north soccer field width would require tree removal and regrading at the slope down to the wetlands, within the 100-foot buffer, at additional cost.</i>7. D. Pignone asked if the soccer, baseball and softball fields will have bleachers? <i>D. Warner indicated yes, each will have portable bleachers and for soccer, he is studying if they can fit outside the 15 foot overrun area.</i>8. S. O'Neill asked what type of infill material is being provided for the turf fields? <i>D. Warner indicated the infill material has not been decided and he will bring the options to the next Subcommittee meeting for review.</i>

Item #	Action	Discussion
		<p>9. A. Lanni asked why are the natural grass fields being seeded and not sodded? <i>D. Warner indicated for cost control reasons.</i></p> <p>10. D. Pignone indicated the Play Fields Construction Phasing Schedule is acceptable, as the softball team will be using the Colonial Park softball field and the baseball field is only down for one season.</p> <p>11. K. Yianacopolus asked if the 3 growing seasons have to be perfect weather to work? <i>D. Warner indicated no, the growing seasons do not have to have perfect weather.</i></p> <p>12. S. O'Neill asked can the softball field be sodded, to be available for play Spring 2026? <i>D. Warner indicated yes, this would be added cost. K. Lyons will provide the cost for next meeting.</i></p> <p>13. K. Yianacopolus asked can the baseball infield be sodded? <i>D. Warner indicated yes, this would be added cost. K. Lyons will provide the cost for next meeting.</i></p> <p>14. P. Ryder asked can both the baseball and softball fields can be sodded? <i>D. Warner indicated yes, this would be added cost. K. Lyons will provide the cost for next meeting.</i></p> <p>15. D. Pignone indicated he would like to not increase the play fields cost.</p> <p>16. B. McNeil asked if the baseball and softball fields will have a fence around them during the growing seasons? <i>D. Warner indicated the softball field will have a permanent fence around it. The baseball field will have a permanent fence around a portion of it and a temporary fence around the rest, which the school department will need to make sure stays in place after Spring 2025 to Spring 2026.</i></p> <p>17. D. Pignone asked if there is a fence around the outfield of the baseball field? <i>D. Warner indicated no, a portable fence could be reviewed.</i> <i>D. Pignone indicated no, a portable fence is not needed.</i></p> <p>18. N. Nial asked if the north turf field could be sodded, then sod the baseball and softball fields? <i>D. Pignone indicated the turf soccer/lacrosse fields have the most use and he does not recommend sodding.</i></p>
1.7	K. Yianacopolus	Capital and Maintenance Cost Matrix

Item #	Action	Discussion
	D. Warner K. Lyons	<p>D. Warner reviewed a sample Capital and Maintenance Cost Matrix for a typical turf play field.</p> <p>Subcommittee Discussion:</p> <ol style="list-style-type: none"> 1. D. Warner will provide the matrix for next meeting, using actual maintenance costs provided by the school department. 2. K. Lyons to coordinate with D. Warner on the capital cost. 3. D. Warner asked if the school department can provide the fertilizing cost on a square foot basis? <i>K. Yianacopolus will provide.</i> 4. J. Thomson asked if the Capital and Maintenance Cost Matrix can also include the replacement and disposal cost of the turf fields. <i>D. Warner indicated yes, he will include.</i> 5. J. Thomson asked if the natural grass fields maintenance cost can include the cost to use organic grass environmentally friendly fertilizers. <i>D. Warner indicated yes, he will include.</i> 6. P. Ryder asked if the matrix can include the Rental Revenue for Turf Fields? <i>D. Warner indicated that would need to come from the school department.</i> 7. S. O'Neill recommended including the cost for an alternate turf infill material to the crumb rubber. <i>D. Warner will include and also provide the cost for infill material options.</i>
1.8	Record	Next Play Fields Subcommittee Meeting: 4/23/21 at 11:30am.
1.9	Record	A Motion was made by M. Christie and seconded by J. Thomson to adjourn the meeting. No discussion, motion passed unanimous by roll call vote

Attachments: Agenda, Estimating Schedule, Site Plan, Play Fields Construction Phasing Schedule

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes

Subject: Fw: Traffic Questions Re: Open Action Items from 2/22/21 SSBC Meeting Minutes

From: Brooke Trivas <Brooke.Trivas@perkinswill.com>

Sent: Tuesday, April 20, 2021 2:17 PM

To: Seeley, Joel <jseeley@smma.com>

Cc: Dennis Sheehan <Dsheehan@stoneham-ma.gov>; 20033 - Stoneham HS OPM Services <20033@smma.com>;

Traniello, Sarah <straniello@smma.com>

Subject: RE: Traffic Questions Re: Open Action Items from 2/22/21 SSBC Meeting Minutes

21.14	D. Roach	D. Roach to provide the reasoning for recommending only one entrance lane for the School Entry Drive and provide direction on whether the dividing median between the entrance lane and the exit lane can be parked on for Event Parking.
-------	----------	---

One entering lane is sufficient to accommodate the volume of traffic entering the school campus and is served by a single entering lane per direction along Franklin Street. The entering channel is designed to be 20-feet in width which allows for flexibility in operation. Specific configurations can be as follows: 1 entering lane and an emergency vehicle access lane along the west curb (normal operation); two entering lanes for major events under Police Detail control; and one entering lane and a parking lane along the west curb for major events. The west curbside area can also be used as a bicycle lane.

Jeffrey S. Dirk P.E., PTOE, FITE

Managing Partner

Vanasse & Associates inc

main 978-474-8800 | direct 978-269-6830 | cell 508-414-7924

Brooke

Brooke Trivas

Practice Leader, Principal

t +16174063440 m +16179533812

Perkins&Will

[Designing a more equitable, diverse, and inclusive world.](#)

From: Seeley, Joel <jseeley@smma.com>

Sent: Tuesday, April 20, 2021 1:36 PM

To: Brooke Trivas <Brooke.Trivas@perkinswill.com>

Cc: Dennis Sheehan <Dsheehan@stoneham-ma.gov>; 20033 - Stoneham HS OPM Services <20033@smma.com>;

Traniello, Sarah <straniello@smma.com>

Subject: Traffic Questions Re: Open Action Items from 2/22/21 SSBC Meeting Minutes

Brooke, please provide a response the Traffic Question at the 4/26/21 SSBC Meeting

thanks, Joel

Perkins&Will

Meeting Minutes

Meeting Details Stoneham High School: Schematic Design

Meeting Date:	2.12.2021	Project Name:	Stoneham High School
Meeting Time:	9:00 AM	Project Number:	153010.00
Meeting Location:	VIRTUAL	Attendees:	Chief Matt Grafton, Fire Chief James McIntyre, Police Mike Rourke, Fire Dennis Sheehan, Town Administrator Brett Gonsalves, DPW Director Erin Wortman, Town Planner April Lanni, Procurement Officer Eric Tetreault, Interim Building Inspector John Macero, Superintendent Joel Seeley, OPM David Conway, Nitsch David Warner, Warner Larson Brooke Trivas, Perkins&Will Xi Liu, Perkins&Will Lizzy Dame, Perkins&Will David Warner, Landscape Emily Hunt, Landscape David Conway, Civil Kevin Alles, Mechanical Nicholas Stefantsiv, Security
Next Meeting Date:	TBD	Cc:	Team, file

Discussion

Meeting Minutes

Stoneham High School

Meeting Date: 2.12.2021

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
1.1	PARKING: Concern in option 4A that there is not enough parking in this plan. Parking count provided by SBC. Needs to be reviewed. 2.12.2021: 300+ parking. Designed to an appropriate for big events and daily circulation without taking much of the site space for other activities. Is based on the current parking number and does not include the parallel parking along the driveways that can allow for more space for bigger events.	Design Team	Under Review
1.2	STADIUM in Option 4A- concern that the stadium is too close to the site perimeter and lighting may impact the neighbors which may preclude using the stadium at night. 2.12.2021: Stadium Location has been set on site plan with home and visitor seating, rest rooms, concession, and team rooms.	Design Team	Under Review
1.3	ACCESS FROM FRANKLIN: Pedestrian/ Emergency access separated from general vehicular traffic. 2.12.2021: Bike accommodations along the vehicular driveway. This allows for one crossing points from the street as the safest way get bike and students to school.	None	Record
1.4	HC ACCESS: for Baseball bleachers. Spectator seating would replicate quantity of seating currently in place. Is there a greater need for HC parking at those facilities? May need to provide a paved way for HC access which could double as emergency access. 2.12.2021 New site plan addresses access.	Design Team	Under Review
1.6	HC/ EMERGENCY ACCESS: Can HC access double as Emergency access. 2.12.2021 New site plan addresses access.	Design Team	Under Review
1.8	PARKING ALL OPTIONS: Discussion around the quantity of parking in 4A. Some attendees expressed concern for more parking than existing. Stoneham to review. 2.12.2021 300+ parking. Designed to an appropriate for big events and daily circulation without taking much of the site space for other activities.	Stoneham	Under Review
1.10	OPTION 4A: Fields are behind the building and not in public view. Police needs to get behind the building for supervision. Would like a turnaround at the end of 17 at the terrace. 2.12.2021 Site plan address all areas for access. RECORD	Record	Record
1.11	AMBULANCE: Pull up to trainer area is desirable. 2.12.2021 Ambulance can pull up to trainer area.	Record	Record
1.13	VISITOR BLEACHERS: How will emergency vehicles get to this area? Benjamin Terrace? 2.12.2021 Site plan review. RECORD	Record	Record
1.16	FRONT OF THE SCHOOL DRIVEWAY: Be sensitive about pedestrians in areas at the front of the building. Provide barrier to pedestrians in front to the building. Bollards, planters etc.... to stop traffic. 2.12.2021: Discussion around planters, bollards to protect pedestrians at the front of the school. RECORD	Record	Record

Perkins&Will

Meeting Minutes

Stoneham High School

Meeting Date: 2.12.2021

1.17	CAMERAS: SHS will have interior and exterior cameras determined by the security committee. 2.12.2021: All security measures will be reviewed by working group and regulatory personal. RECORD	Record	Record
1.20	FENCING AROUND FIELDS: Design to consider how to create fencing while keeping people off field- while keeping it welcoming. Start with fencing that is most needed and go from there. 2.12.2021 Ongoing.	Design Team	Under Review
1.23	SAFER PLACE: What will be on the power requirements. Cooling in cafeteria and gym, walk in cooler and freezer on generator, toilets, general emergency lighting in the building, determine what is on the generator? IF the gym has AC than this increases the load. All electric building. Looking to have AC in the gymnasium. Town of Stoneham to provide memo on capacity, use, accessibility, etcetera. 2.12.2021 Discussion around Emergency generator. The size of the generator will be determined if the spaces needs warming or cooling systems. Waiting on the town to provide a memo of the capacity use and accessibility and what systems are on the building/needed. Preferred to wait for this memo to know the requirements from the town.	Town of Stoneham	Provide Memo
2.1	Sustainability Design Strategies Reviewed with the group. Question asked about Geothermal. To be discussed at a future date. RECORD	Record	Record
2.2	Discussion around the Culvert on site. Constructability, replacement, current conditions, and existing drawings. Ongoing review and discussion.	Team	Under Review
2.3	Discussion around the water on site and the impact to surrounding properties. Ongoing issue for the Town. Design team understands this as an issue and the design will work to not increase any water issues surrounding the site.	Team	Ongoing
2.4	Parking will have PV canopy and infrastructure for electric charging stations.	Record	Record
2.5	Brett Consalves indicated no water pressures issues to his knowledge. Joel and Brett will send available documents to plumbing consultant.	Town	Ongoing