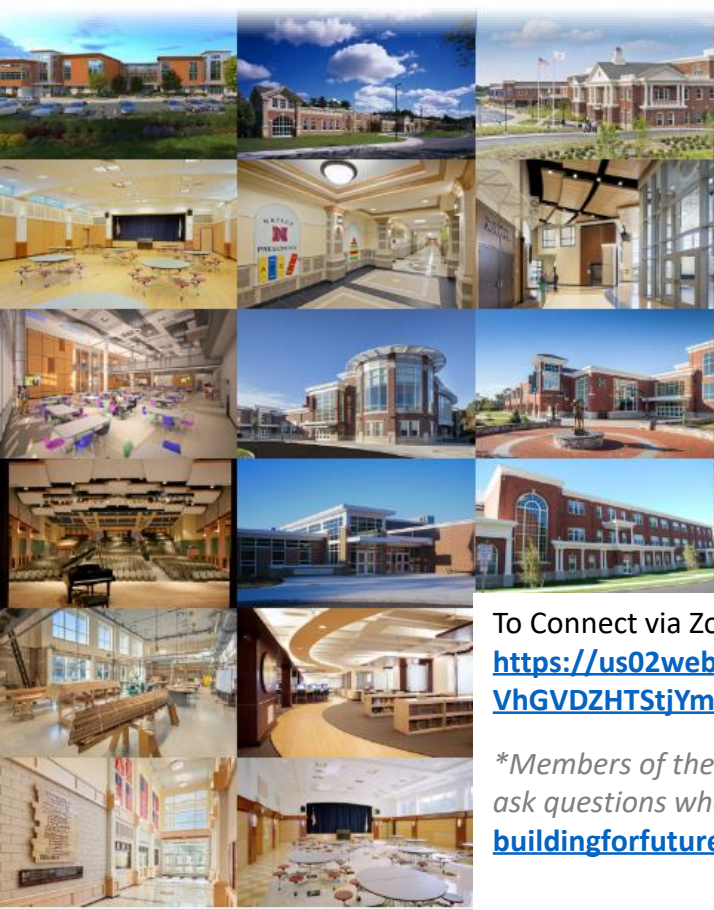


# Design Watertown



Elementary Schools Project  
*Hill International, Inc.*  
*Ai3 Architects, LLC*

Agenda – March 20, 2024

- **Call to Order**
- **Review and Approval of Meeting Minutes**
  - Elementary School Projects – February 21, 2024
- **Review and Approval of:**
  - Three Elementary Schools Projects Invoices
  - Lowell Elementary School
  - CTA Change Order No.14
- **Lowell Elementary School Updates**
  - Ai3 Lowell ES Chiller Noise Attenuation
  - Executive Summary
- **Elementary School - Questions / Comments**

To Connect via Zoom\*:

Passcode: **899084**

<https://us02web.zoom.us/j/85782901747?pwd=UnF1UVhGVdZHTStjYmZiRnkWOGF6UT09>

*\*Members of the Public: Please use the Q&A button to ask questions when appropriate or email questions to:*  
[buildingforfuture@watertown-ma.gov](mailto:buildingforfuture@watertown-ma.gov)

*Watertown Public Schools Building Committee*

# **Call to Order**

# Approvals

- ▶ Meeting Minutes
  - Elementary School Meeting Minutes  
February 21, 2024
  
- ▶ Invoices
  - Elementary Schools Project Invoices  
February 2024
  
- ▶ Lowell Elementary School
  - CTA Change Order No. 14

*Approvals*

**Summary of Invoices  
Elementary Schools Project**

For work completed during February 2024

<b>Vendor</b>	<b>Project</b>	<b>Invoice Date</b>	<b>Invoice Number</b>	<b>Invoice Amount</b>
<b>Ai3 Architects</b>	<b>Elementary Schools</b>	<b>02/29/24</b>	<b>0072B-1610.00</b>	<b>\$8,923.06</b>
<b>CTA Construction Managers</b>	<b>Elementary Schools</b>	<b>02/29/24</b>	<b>Application #24</b>	<b>\$220,931.94</b>
<b>Ridgeline Energy Analytics</b>	<b>Hosmer Elementary Schools</b>	<b>03/04/24</b>	<b>1730</b>	<b>\$1,225.00</b>
			<b>TOTAL</b>	<b>\$231,080.00</b>

# Approvals

## Change Order No. 14

### Elementary Schools Project

*For work related to Lowell Elementary School*

PR#	PCO#	Brief Description	Date Received	Proposed Cost
	122.1	CE #132 - RFI #247 - Roof Detail Modifications	2/14/2024	-\$2,998.00
	232.1	CE #254 - Misc. Demolition	2/27/2024	\$23,479.30
	320.3	CE #372 - PVC Panels and Trim Furnish and Install Only @ Boiler Flue Enclosure	1/24/2024	\$10,867.40
	332.1	CE #392 - Hollow metal Frames and for Room 107C (Contract Owned), Crawl space, 212, and Existing electrical closet.	2/14/2024	\$6,189.35
	336.1	CE #397 - Door 190A size modification for Switchgear per RFI 151R1	2/14/2024	\$3,469.73
	354	CE #423 - Owner requested Sargent Degree interior key blanks	2/13/2024	\$841.63
	355	CE #425- T&M to rework Wood Ceiling for electrical devices	2/13/2024	\$4,070.82
		<b>CTA CHANGE ORDER #14 TOTAL</b>		<b>\$45,920.23</b>

*Watertown Public Schools Building Committee*

## **Lowell Elementary School Update**

*Ai3 Architects Lowell ES Chiller Noise Attenuation*

## Chiller Specification

Daikin Model AWV 018B with internal discharge compressor muffler

## Outdoor Chiller Radiated Sound Report

Report completed by Cavanaugh Tocci December 21, 2023

Final Report Release February 5, 2024

## Chiller Operating Parameters

Days & Times	Maximum Chiller Capacity*
Weekday (M-F) Daytime (7am-4pm)	80% Capacity
Weekday (M-F) Evening (4pm-8pm)	50% Capacity
All Other Times: Nighttime (8pm-7am), Weekdays, Holidays	30% Capacity

\*Parameters confirmed with Mechanical Engineer of Record

## Lowell ES Factory Sound Attenuation Options Provided

Includes low noise construction as standard feature

Sound attenuation material wrapped on the entire length of the discharge (outlet) line

Sound reduction mode to reduce fan speed and lower sound levels settable by time schedule



Lowell ES Chiller (Discharge /  
Outlet)



Lowell ES Chiller Compressor



## Baseline Sound Survey

10 day Average of the lowest hourly L90 taken from the Sound Monitor (SM1) while chiller was not in operation

### Sound Monitor Location



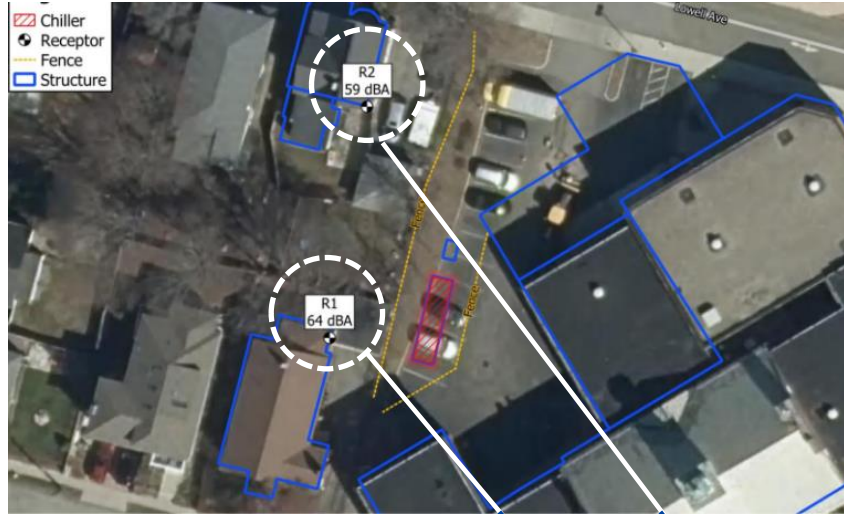
Days & Times	Ambient (LAF <sub>90</sub> , 1-hr)
Weekday (M-F) Daytime (7am-4pm)	45
Weekday (M-F) Evening (4pm-8pm)	39
All Other Times: Nighttime (8pm-7am), Weekdays, Holidays	34

## Noise Criteria

Watertown City Code & MassDEP

Days & Times	Ambient (LAF <sub>90,1-hr</sub> )	MassDEP Limit (Ambient + 10dBA)	Watertown Limit (Ambient + 5dBA)
Weekday (M-F) Daytime (7am-4pm)	45	55	<b>50</b>
Weekday (M-F) Evening (4pm-8pm)	39	49	<b>44</b>
All Other Times: Nighttime (8pm-7am), Weekdays, Holidays	34	44	<b>39</b>

## Sound Level Receptors



## Existing Sound Levels @ Receptors

Days & Times	Maximum Chiller Design Capacity	Watertown Limit (Ambient + 10dBA)	Existing Conditions	
			R1	R2
Weekday (M-F) Daytime (7am-4pm)	80%	50	64	59
Weekday (M-F) Evening (4pm-8pm)	50%	44	57	51
All Other Times: Nighttime (8pm-7am), Weekdays, Holidays	30%	39	52	46

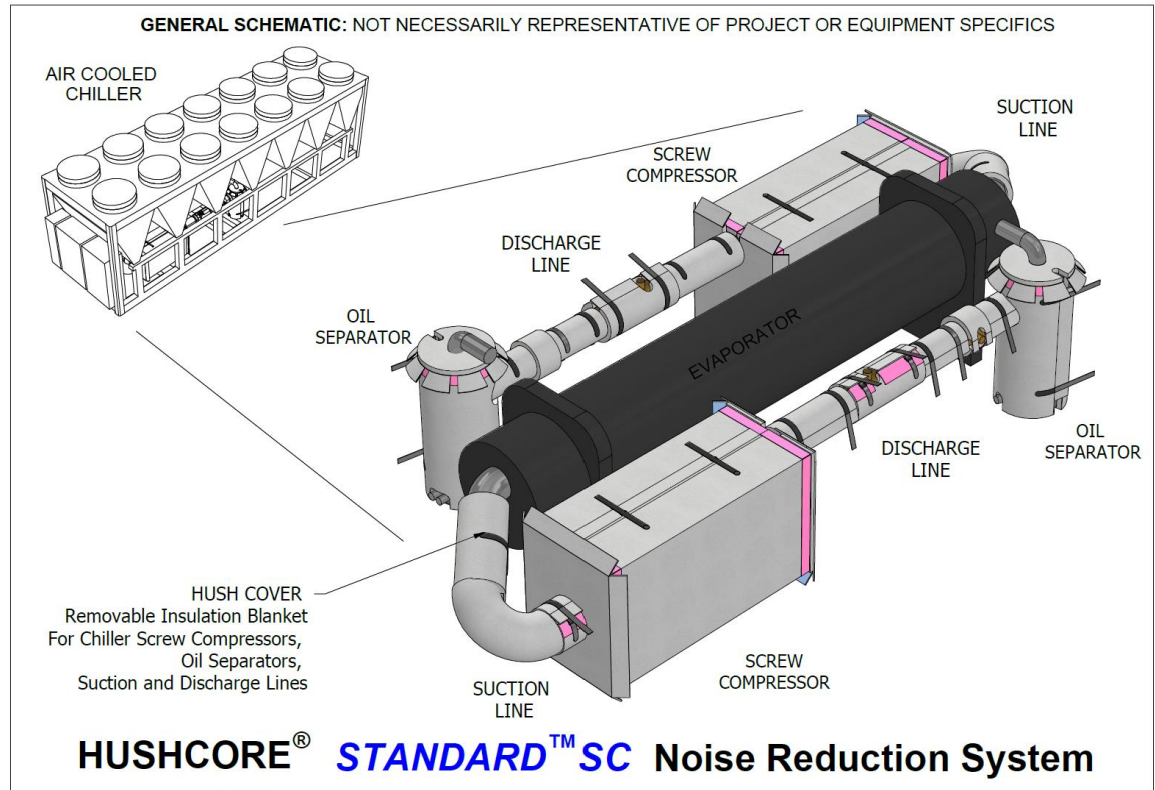
**14 dBA**  
Reduction  
Required

# Solution

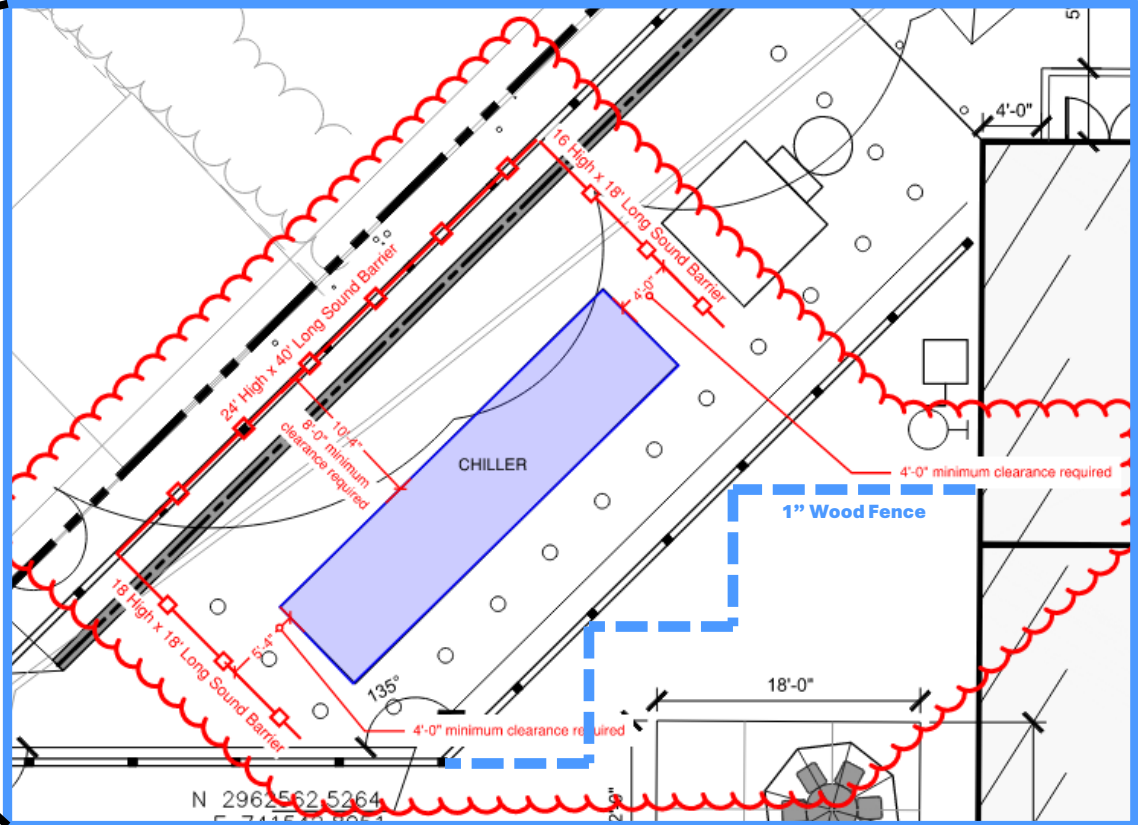
14 dBA sound reduction at Receptor 1

## A1. Compressor Wrap / Enclosure

- Typical noise reduction is 4 to 6 dBA
- Acoustical Composite with Velcro flaps
- Cloth strap connectors with “D” rings for wrapping compressor(s), discharge line(s), suction line(s) and oil separator(s) with 100% coverage.
- Finished surface mass of 3 lbs. per sq. ft.
- System meets all environmental conditions



## A2. Chiller Sound Barrier



# Estimates: Option A1 & A2

Lowell Elementary School Chiller Sound Attenuation (Daikin AWV Chiller Includes low noise construction as standard)		Option 1 Empire			Option 2 Silentium		
		Material	Labor	TOTALS	Material	Labor	TOTALS
A. Acoustical Engineering Report		NA	NA	\$ 9,900	NA	NA	\$ 9,900
Background Noise Data							
Chiller Compliance Review							
Engineering Recommendations							
			SUBTOTAL	\$ 9,900.00		SUBTOTAL	\$ 9,900.00
B. Compressor Wrap /Enclosure							
BRD Noise Control		\$ 23,583	\$ 20,000	\$ 43,583	\$ 23,583	\$ 20,000	\$ 43,583
C. Chiller Sound Barrier							
(3) sound panels at various sizes: 16'Tx18'L, 24'Tx40'L, 18'Tx18'L		\$ 34,584	NA	\$ 34,584		NA	\$ 118,000
Structural Steel: Powder Coated		\$ 40,000	NA	\$ 40,000		NA	
Flashing: Galvanized		\$ 1,000	NA	\$ 1,000		NA	
Installation			\$ 65,000	\$ 65,000			\$ 47,000
Engineering			\$ 5,500	\$ 5,500			Included
Delivery			\$ 7,500	\$ 7,500			Included
Permit Drawings(if required by City estimated cost)			\$ 4,500	\$ 4,500			Included
D. Wood 1" thick fence @ Café							
10'H x 70'L (700sf) Separates outdoor student dining and chiller				\$ 7,700.00			\$ 7,700.00
			SUBTOTAL	\$ 209,367.00		SUBTOTAL	\$ 216,283.00
E. Contingency							
12% Construction Contingency: Foundations, Foundation Peer Review			12%	\$ 25,124.04		12%	\$ 25,953.96
			<b>TOTAL</b>	<b>\$ 244,391</b>		<b>TOTAL</b>	<b>\$ 252,137</b>

- Excludes cost for final noise level readings after construction
- Excludes replacement cost work-in-place disturbed during demo/construction
- Assumptions made for foundation pricing

## Discussion

- 24' Proposed acoustical fence height exceeds City height limit
  - Investigate full sound enclosure around chiller
    - Increase dBA reduction from 14 to 16



## Next Steps

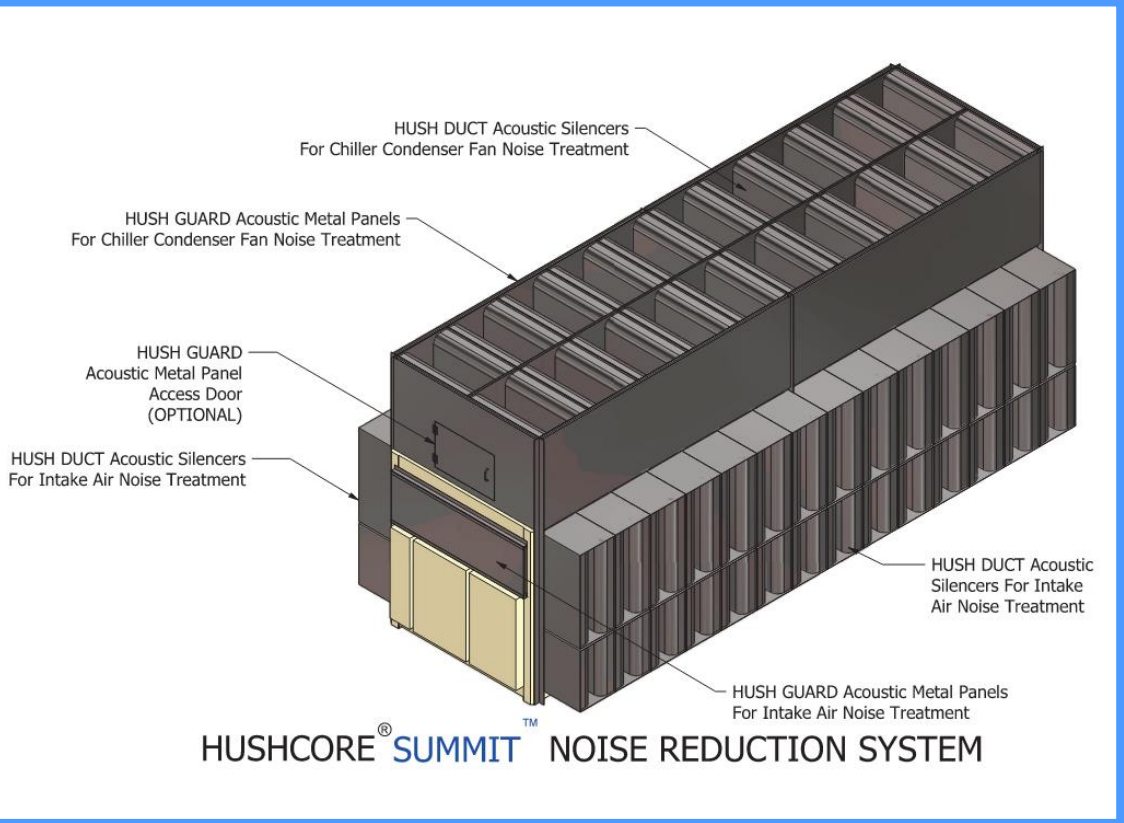
1.26.24

**INCREASE** sound reduction from  
14 dBA to 16 dBA at Receptor 1 (nearest abutter)

Basis of design will be a maximum of 3 dBA (5 dBA [Watertown Ordinance](#)) above ambient background noise during Weekday (M-F) Daytime (7AM-4PM) which would equate to **48dBA @ 30'-0"** allowable at 80% Maximum chiller design capacity

(Would require a total reduction of 16 Dba at Receptor R1 identified in the acoustical report).

# B1. Chiller Sound Enclosure (open plenum & side baffles)

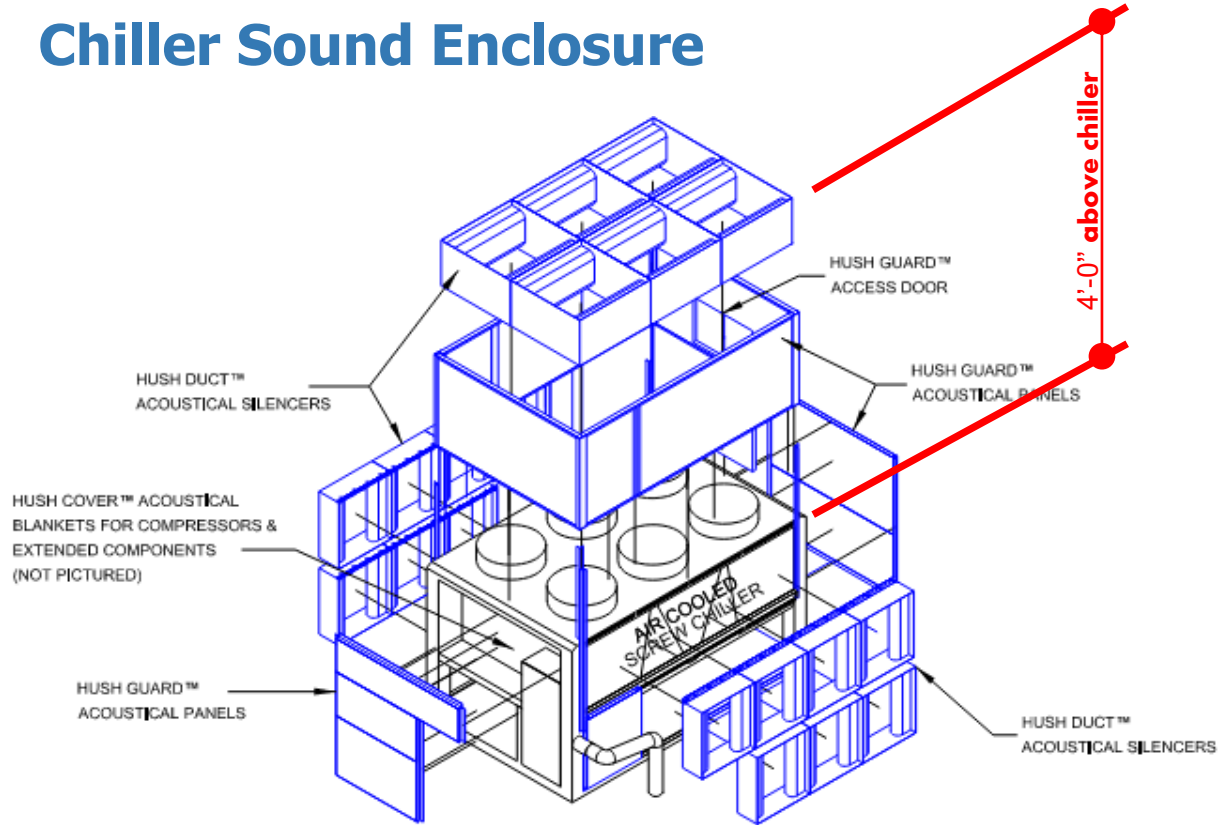


# Chiller Sound Enclosure

**SUMMIT™HDE 3I-2E**, Systems: Combination of a **UNITARY™ SM-SB** system mounted to the condenser fan deck to attenuate condenser section discharge noise, a **STANDARD™ SL** System (wraps) for compressor noise a **LOUVER™HD** system component for attenuation of condenser/compressor section intake noise.

**UNITARY™ SM-SB** System is a “unit-mounted” source control system using HUSH GUARD™ HG-2/400 modular acoustical panels to create a plenum barrier wall and includes HUSH DUCT™ Acoustical Silencers, 24” long (2E), inserted and supported by the acoustical plenum barrier wall to attenuate condenser fan noise. The system shall be supported by structural steel angles that will mount to the Chiller frame. The HUSH GUARD™ Acoustical Panel Barrier Wall End (1), shall contain (1) 2’ x 2’ access door to facilitate access to the condenser fan section.

**LOUVER™HD** system is a source control component of HUSH DUCT™ Acoustical Silencers, 36” long (3I), independently mounted on the side of the chiller frame covering the intake coil and compressor section sides of the chiller. All materials are constructed from varying gauges of unpainted, galvanized steel (all structural steel is HDG finish).

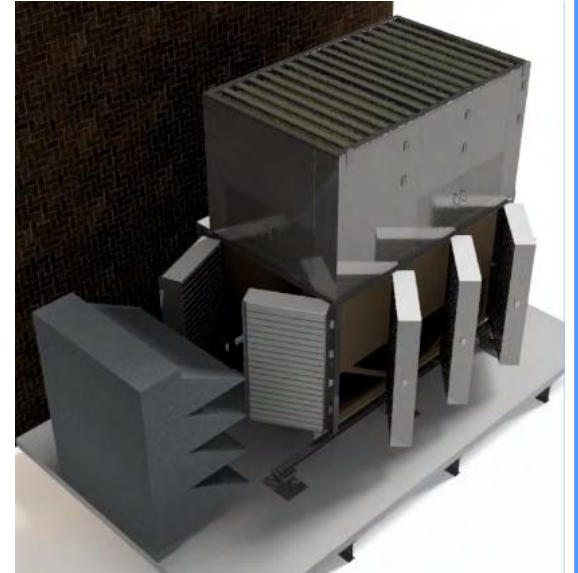
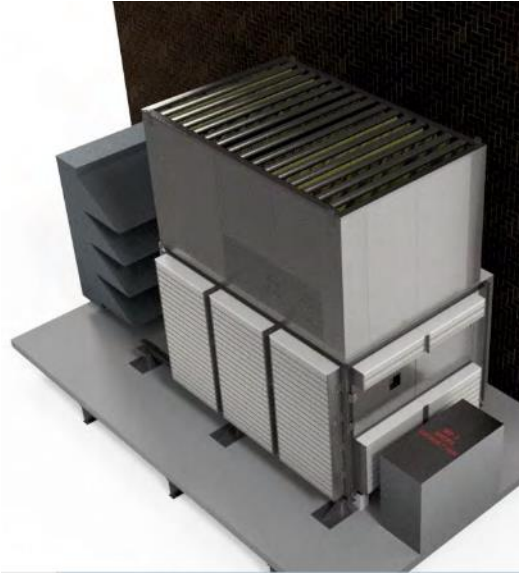


# Estimate: Option B1

Lowell Elementary School		Chiller Custom Sound Enclosure: BRD Hushcore		
Chiller Custom Sound Enclosure		Material	Labor	TOTALS
A. Acoustical Engineering Report		NA	NA	\$ 9,900
	Background Noise Data			
	Chiller Compliance Review			
	Engineering Recommendations			
			SUBTOTAL	\$ 9,900
B. Compressor Wrap /Enclosure		Included Below	Included Below	\$ -
	BRD Noise Control			
C. Chiller Sound Barrier		\$ 134,263	NA	\$ 134,263
	(1) Summit HDE #-2E System Combination of Unitary SM-SB			
	System mounted to the condenser fan deck to attenuate			
	condenser section discharge noise			
	Installation		\$ 72,675	\$ 72,675
	Engineering	Included	\$ -	\$ -
	Delivery	Included	\$ -	\$ -
	Permit Drawings(if required by City estimated cost)	If Required	\$ 4,500	\$ 4,500
D. Wood 1" thick fence @ Café				\$ -
	Not Required			
			SUBTOTAL	\$ 211,438
E. Contingency			10%	\$ 21,144
	10% Construction Contingency			
		<b>TOTAL</b>		<b>\$ 242,482</b>

- Excludes cost for final noise level readings after construction
- Does not include special rigging if required

## B2. Chiller Sound Enclosure (enclosed baffles & plenum)



# Chiller Sound Enclosure

Parklane designed a custom louvered enclosure and discharge silencers to bring the facility into compliance with the local municipal code while accounting for physical limitations on the rooftop and street access. The final solution also ensured that all the louvers were hinged, providing full accessibility for maintenance. The design required Parklane to collaborate closely with the owner, owner's engineers, and consultants over several months to create a solution that reduced the noise enough to mitigate impacts to the nearby suites and businesses. The proximity of buildings in the area introduced new challenges to designing a compact, and highly-performing enclosure.

**Absorptive – PMA Absorptive Acoustic Panels** consist of free draining, non-combustible acoustic media, embedded between a solid sheet metal top skin and perforated metal back skin (steel gauges vary based on application). Conventional profiles are a nominal 2" – 6".

**High Transmission Loss – the PMA-HTL Panel** contains added layers of mass to introduce increased transmission loss through the panel

## PMA Plenum Silencer

Attenuates Fan Noise

## Integrated Steel Structure

Efficiently transfers forces for specified roof locations and facilitates a modular design.

## Hinged Acoustic Louvers

Attenuate intake air and compressor noise, while providing clear service access.

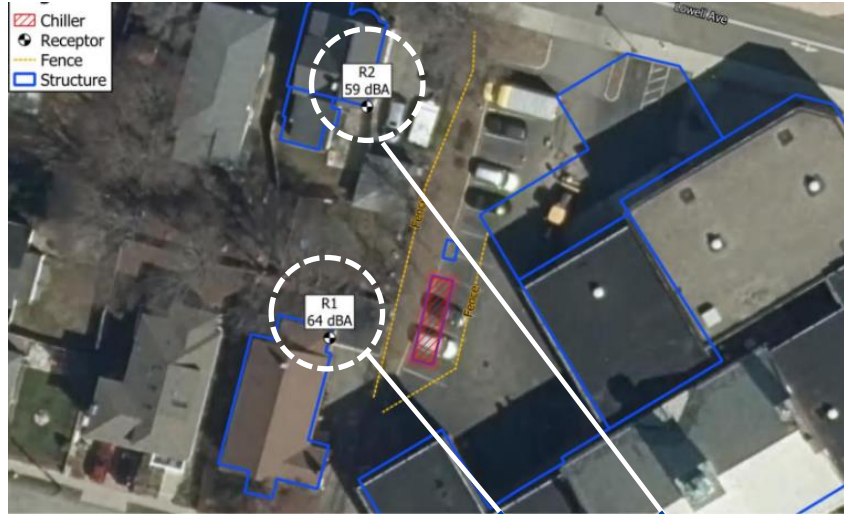


# Estimate: Option B2

Lowell Elementary School		Chiller Custom Sound Enclosure: Parklane		
Chiller Custom Sound Enclosure		Material	Labor	TOTALS
A. Acoustical Engineering Report		NA	NA	\$ 9,900
Background Noise Data				
Chiller Compliance Review				
Engineering Recommendations				
			SUBTOTAL	\$ 9,900
B. Compressor Wrap /Enclosure		Included Below	Included Below	\$ -
BRD Noise Control				
C. Chiller Sound Barrier		\$ -	NA	\$ 225,000
(1) Summit HDE #1-2E System Combination of Unitary SM-SB				
System mounted to the condenser fan deck to attenuate				
condenser section discharge noise				
Installation		Included	\$ -	\$ -
Engineering		Included	\$ -	\$ -
Delivery		Included	\$ -	\$ -
Permit Drawings(if required by City estimated cost)		If Required	\$ 4,500	\$ 4,500
D. Wood 1" thick fence @ Café				\$ -
Not Required				
			SUBTOTAL	\$ 229,500
E. Contingency			10%	\$ 22,950.00
10% Construction Contingency				
			<b>TOTAL</b>	<b>\$ 262,350</b>

- Excludes cost for final noise level readings after construction
- Does not include special rigging if required

## Sound Level Receptors



## Existing Sound Levels @ Receptors

Days & Times	Maximum Chiller Design Capacity	Watertown Limit (Ambient + 10dBA)	Existing Conditions	
			R1	R2
Weekday (M-F) Daytime (7am-4pm)	80%	50	64	59
Weekday (M-F) Evening (4pm-8pm)	50%	44	57	51
All Other Times: Nighttime (8pm-7am), Weekdays, Holidays	30%	39	52	46

Increased to **16 dBA**  
Per 1.26.24 meeting

**14 dBA**  
Reduction Required



# Vendor Request for Proposals

1.26.24 to 2.19.24

- Release **FINAL Acoustical Report** and recommendations
- **Request proposals and estimates** including ALL labor, materials, and installation
  - Proposal to include schedule for Design & Engineering, Fabrication, Delivery, and Installation
- Basis of design will be a **maximum of 3 dBA above ambient background noise** during Weekday (M-F) Daytime (7AM-4PM) which would equate to 48dBA @ 30'-0" allowable at 80% Maximum chiller design capacity (this would require **a total reduction of 16 Dba at Receptor R1** identified in the draft report previously sent).
- The following information from the Chiller Manufacturer will be provided once received:
  - **Condensing Airflow in CFM: 180K CFM (10K CFM per fan; 18 fans) This is peak load**
  - **Maximum external pressure drop: Limit should not exceed an addition of 0.1" APD**
- Identify the proposed **sound enclosure dimensions** added to the existing chiller. Identify total outside dimensions for the length, width, and height of the proposed sound enclosure design.
- **Identify all relevant sound enclosure features** such as compressor wraps, silencers, panels, plenum barrier wall, and louvers to achieve the desired noise reduction of 48 Dba @ 30'-0".
- **Additional sound readings to be taken by Cavanaugh Tocci** after the installation of the sound enclosure to ensure 48 Dba @ 30'-0" while the chiller is at 80% Maximum Design capacity during Weekday (M-F) Daytime (7AM-4PM). If the reading is not achieved, **the Vendor shall provide the necessary adjustments to the sound enclosure at no additional cost to the Owner.**
- The Owner has requested a **tour/site visit of local projects** where a similar sound enclosure design was installed in close proximity to Watertown, Massachusetts. Identify your availability for a tour/site visit in February 2024.
- **Additional field information provided by Architect**

# Vendor Quotes

2.15.24

# A1 BRD Noise Control

MFG. allowable pressure drop

Acoustical Performance (0.10 in.wg) TOTAL SYSTEM EFFECT PRESSURE DROP									
Qty: 1	63	125	250	500	1k	2k	4k	8k	dB A
AWV018-Sound Power, Lw, dB	104	101	97	95	92	84	79	72	97
HUSHCORE® <i>SUMMIT™ HDE 3I-3E (14dB)</i> - sound reduction, dB	-7	-8	-12	-14	-18	-18	-13	-10	----
AWV018 - Sound Power, Lw, dB ( <i>TREATED</i> ), dB	97	93	85	81	74	66	66	62	83

Sound Power = Lw

TYP. allowable pressure drop

Acoustical Performance (0.20 in.wg) TOTAL SYSTEM EFFECT PRESSURE DROP									
Qty: 1	63	125	250	500	1k	2k	4k	8k	dB A
AWV018-Sound Power, Lw, dB	104	101	97	95	92	84	79	72	97
HUSHCORE® <i>SUMMIT™ HDE 3I-3E (16dB)</i> - sound reduction, dB	-7	-9	-16	-21	-24	-22	-11	-17	----
AWV018 - Sound Power, Lw, dB ( <i>TREATED</i> ), dB	97	92	81	74	68	62	68	55	81

Sound Power = Lw

In. wg. = Static pressure measured by a water gauge- indication of air flow resistance

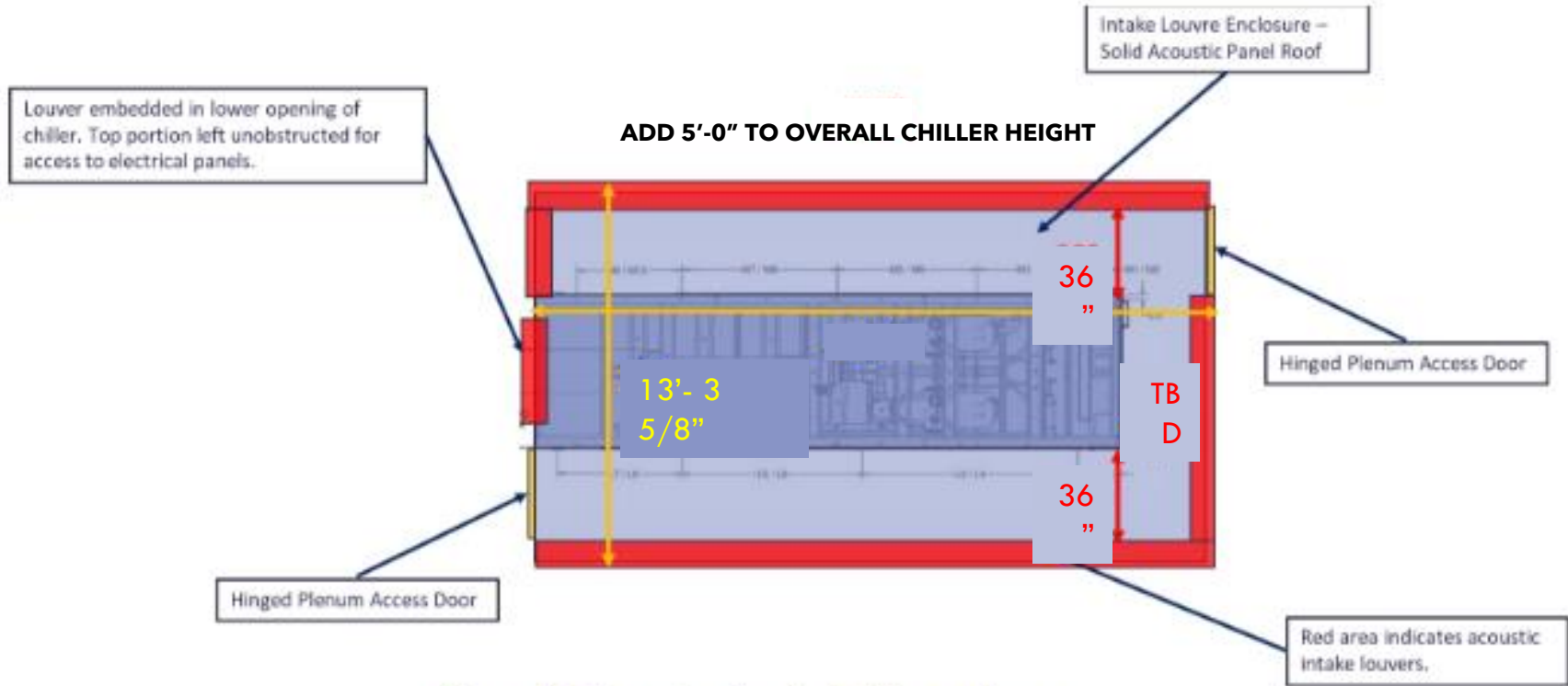


Figure #3: Plan view detail of chiller enclosure.

# BRD Noise Control

Lowell Elementary School		
BRD Noise Control: Chiller Custom Sound Enclosure		
<b>Dimensions</b>		
Silencer Height		3'-0"
Overall Height Above Chiller		5'-0"
Overall chiller width increase		6'-0"
<b>Overall Pressure Drop</b>		
Max by MFG	0.10 PD	14dBA
BRD Recommended	0.20 PD	16dBA
<b>Cost</b>		<b>\$ 210,535</b>
<p><u>Not Included in Price Proposal:</u> Painting of panels and silencers; Engineering calculations &amp; PE Stamp; Permitting; Special Rigging and lifting (no crane)</p>		

**Previous Estimate**  
**\$242,482**  
 (with 10% Contingency)

# A2 Parklane

## Acoustical Performance (0.10 in. wg. TOTAL SYSTEM EFFECT PRESSURE DROP)

**Airflow:** 180,000 CFM  
**Velocity:** 160 FPM (Intake)  
 792 FPM (Discharge)  
**Maximum Allowable PD:** 0.1 in wg to 0.2 in wg EPD (as stated in the bid summary)  
**Clearance Requirements:** 36" on all sides  
**Acoustic Requirements:**

63 hz	125 hz	250 hz	500 hz	1k hz	2k hz	4K HZ	8K HZ
-9	-11	-18	-23	-22	-19	-18	-15

\*DIL requirements applied to entire system.



Proposal excludes the following:

- Concrete pad load capacity and connection detail
- Removal of existing bollards

# Parklane

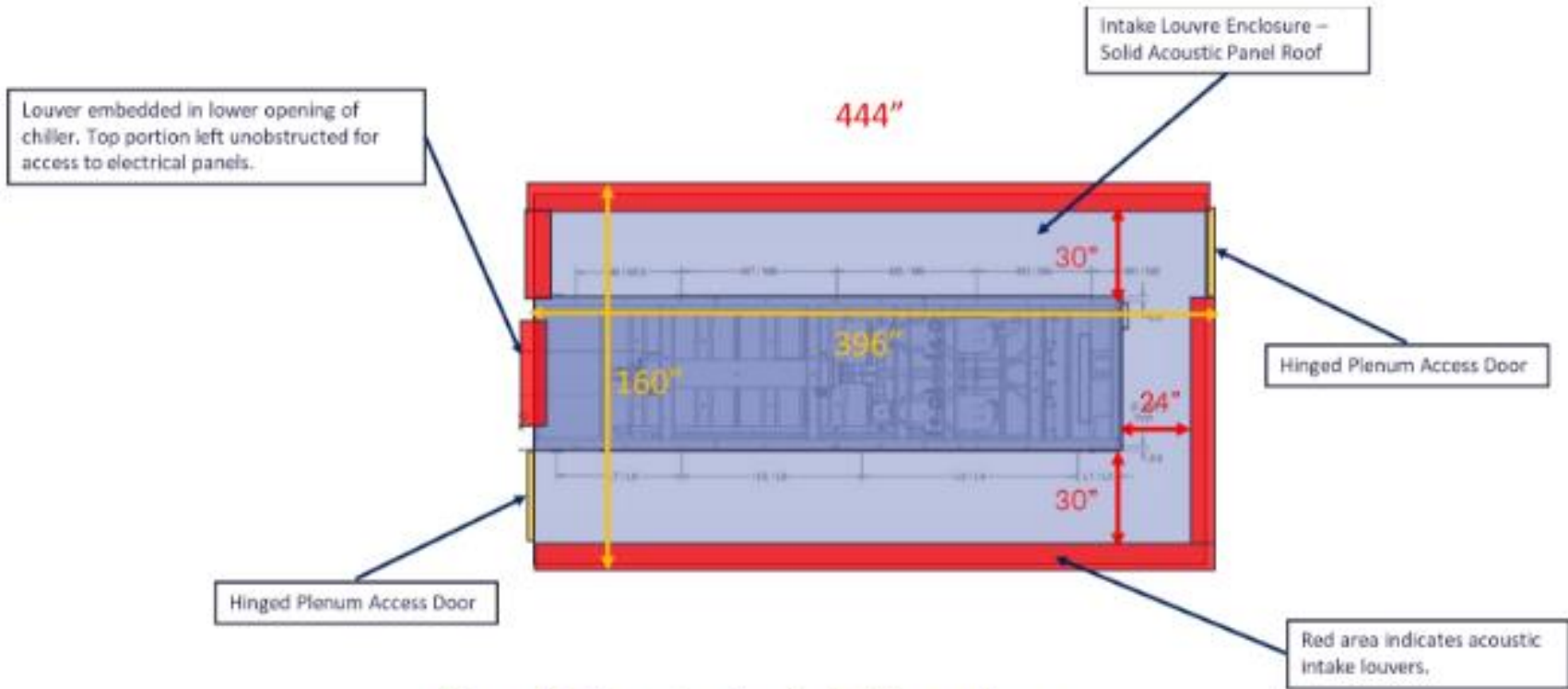


Figure #3: Plan view detail of chiller enclosure.

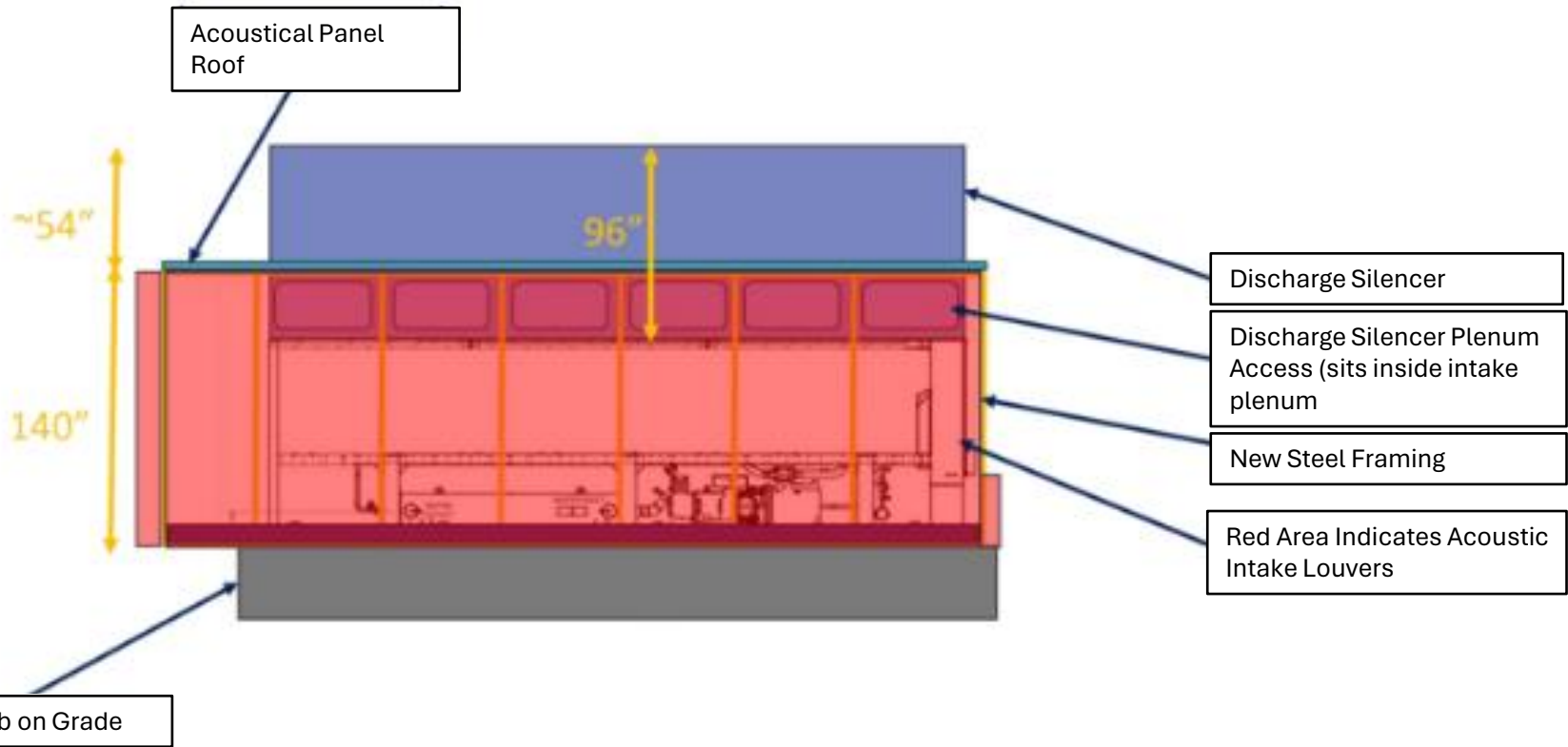
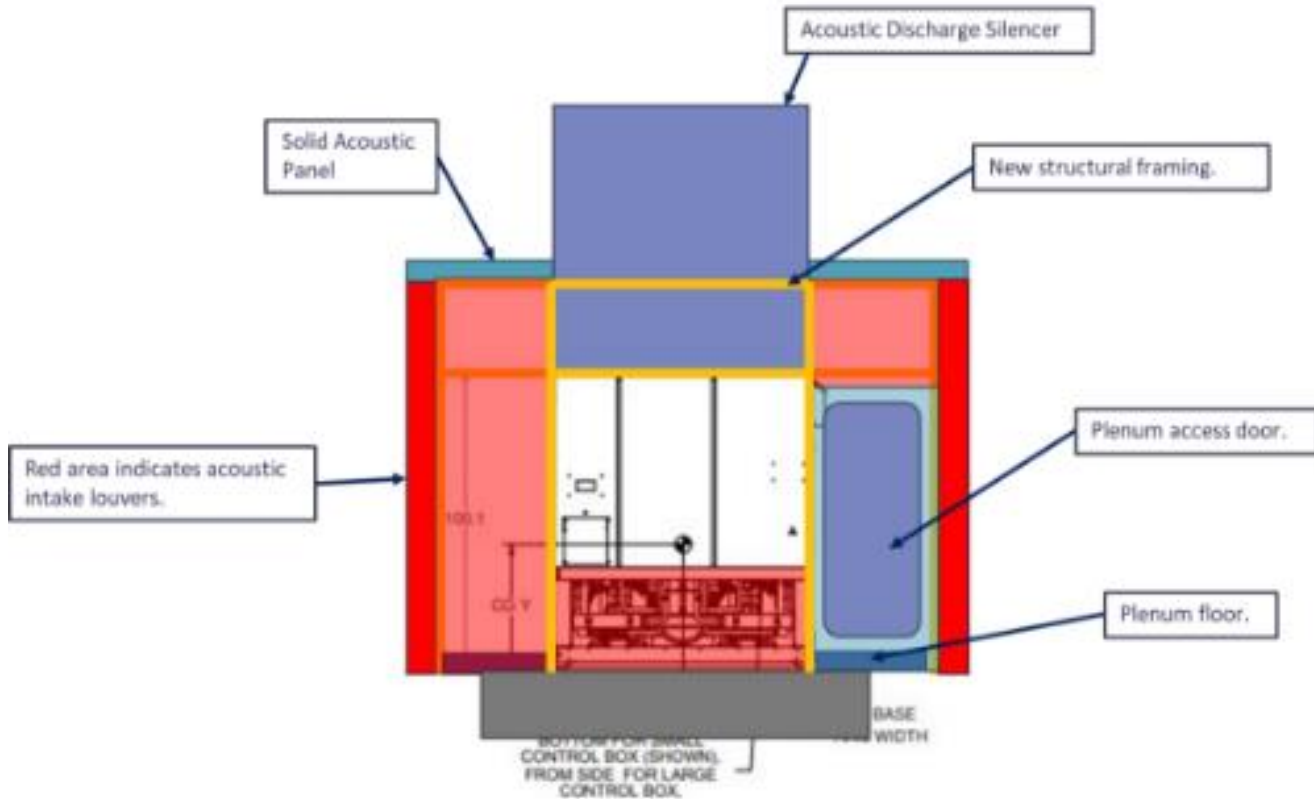


Figure #1: Side elevation view of proposed chiller enclosure.





# Parklane

Lowell Elementary School		
Parklane Noise Control: Chiller Custom Sound Enclosure		
<b>Dimensions</b>		
Silencer Height		4'-6"
Overall Height Above Chiller		8'-0"
Overall chiller width increase		5'-0"
<b>Overall Pressure Drop</b>		
Max by MFG	0.10 PD	14dBA
BRD Recommended	0.20 PD	16dBA
Detailed Engineering	\$	31,405
System Supply	\$	254,269
Shipping & Installation	\$	60,176
<b>Cost</b>	<b>\$</b>	<b>345,850</b>
<p><u>Not Included in Price Proposal:</u> Applicable taxes not included; Permits if required, All pricing reflects regular working hours; Removal of existing bollards</p>		

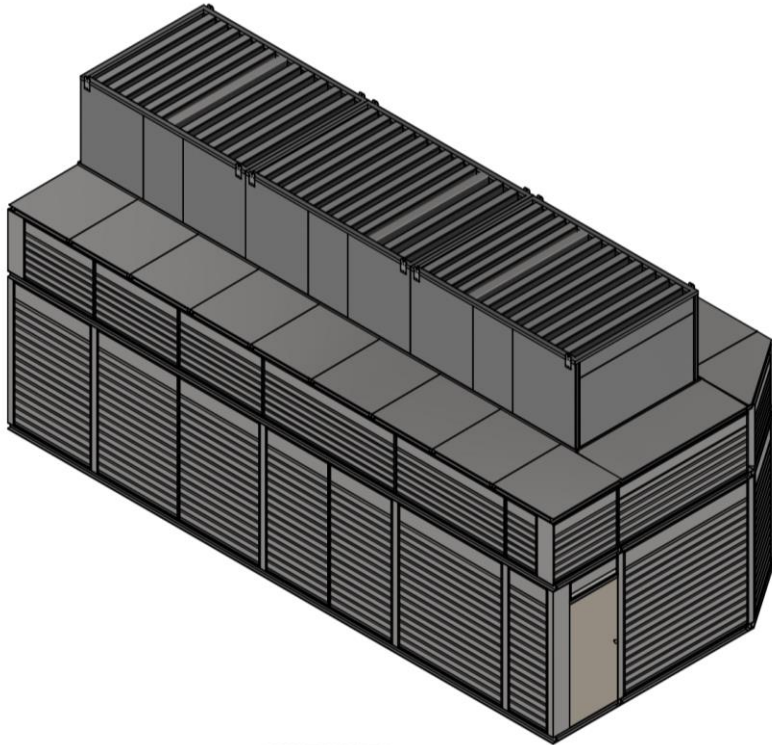
**Previous Estimate**

**\$262,350**

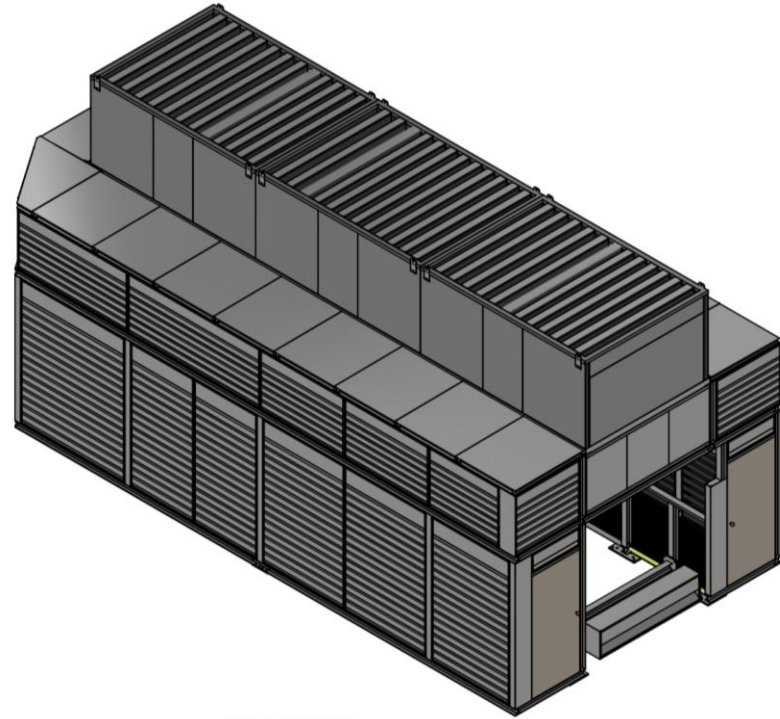
(with 10% Contingency)

# Recommendation

## Parklane full acoustical sound enclosure



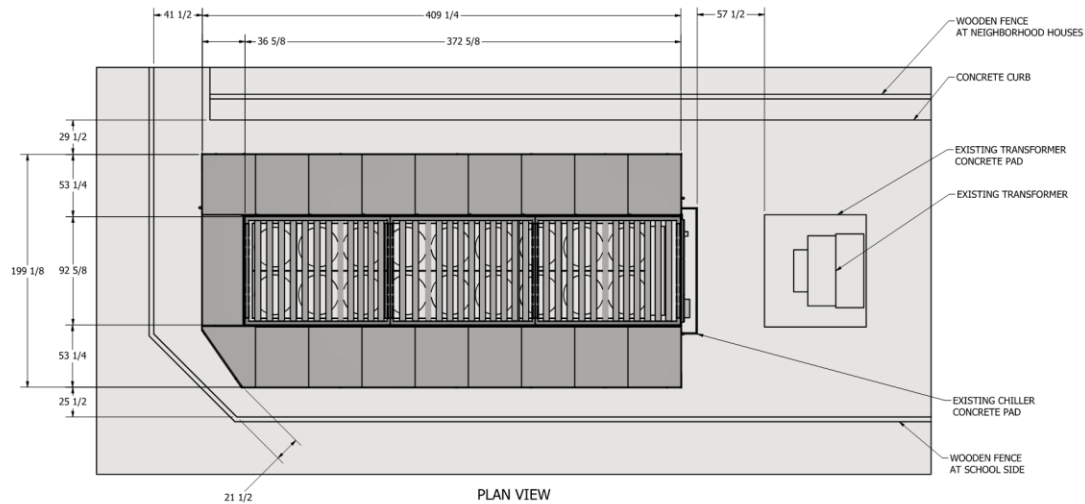
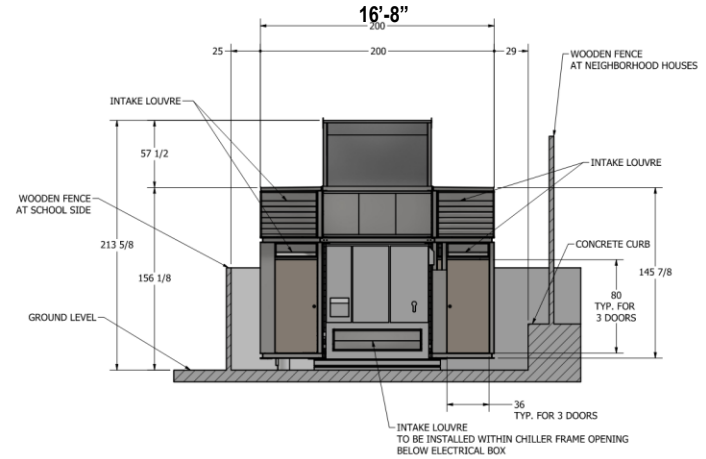
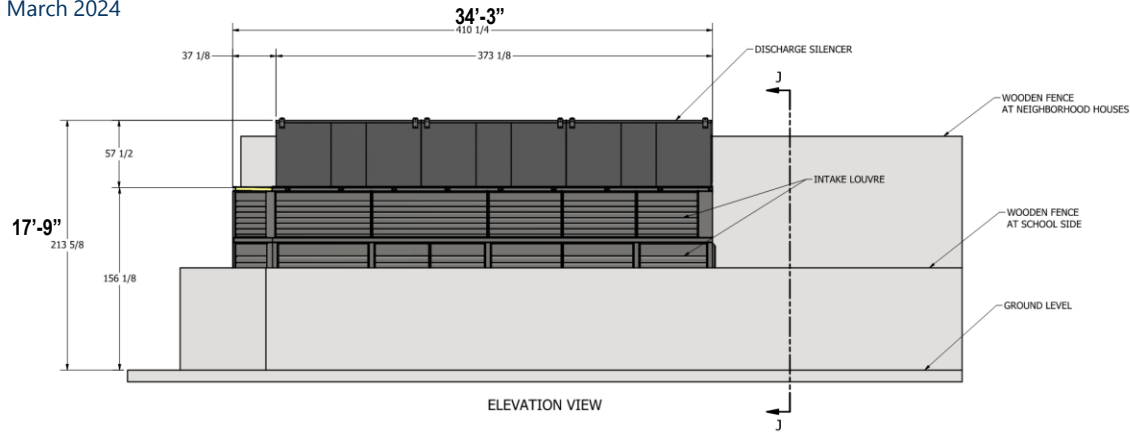
ISOMETRIC VIEW



ISOMETRIC VIEW

# Lowell Elementary School Chiller Sound Attenuation

March 2024



## Next Steps

- ☑ Field Measurements
- ☑ Final Engineering for Review
- ☑ Acoustical Engineer Review & Approval
- ☑ Structural Engineer Review and Approval
- ☑ Color Selection for Enclosure

Remove Bollards by DPW

Installation April Vacation

Final Acoustical Testing

*Watertown Public Schools Building Committee*

# **Lowell Elementary School Updates**

## *Executive Summary*



Projected Tasks This Spring 2024

**Lowell Elementary School**  
 Remaining Interior and Exterior Punchlist scheduled for the week of April 15th  
 (Misc. interior items, GFRP repairs and Grass area repairs)

Projected Tasks This Spring 2024

**Hosmer Elementary School**  
 Installation of an additional swing set and poured in place surface is scheduled for April/May 2024  
 (Includes repairs to the new playground surface under warranty)  
 Loam and Seed is scheduled for May/June 2024

Schedule Summary - Upcoming Milestones

Description	Scheduled Start	Scheduled Finish	Status	Comments
<b>Hosmer Elementary School</b>				
PV's - Ready for Eversource Electric	5/16/22	2/29/24	Scheduled	Bollards
<b>Lowell Elementary School</b>				
Monetized Punchlist	3/1/2024	5/1/2024	Scheduled	Punch List

Hosmer - Progress Photos



Cuniff - Progress Photos



Lowell - Progress Photos

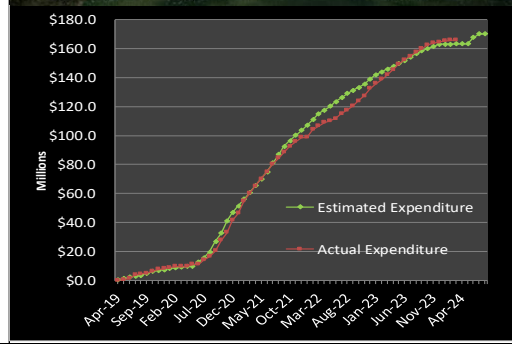


Scope changes from the Original Scope

**CUNIFF & HOSMER ELEMENTARY SCHOOLS**  
 Brait Builders - CO #1 - #17 - \$6,519,607.59

**LOWELL ELEMENTARY SCHOOL**  
 CTA - CO#1 - CO #13 -Approved \$4,327,495.82  
 CTA Change Order #14 - \$45,920.23 Pending Approval

Description	BUDGET			COST				CASH FLOW	
	Baseline	Budget	Authorized Changes	Approved Budget	Committed Costs	Uncommitted Costs	Forecast Costs	Total Project Costs	Expenditures to Date
Construction	\$ 136,000,000	\$ 7,604,656	\$ 143,604,656	\$ 143,604,656	\$ -	\$ -	\$ 143,604,656	\$ 143,061,866	\$ 542,790
Design Services	\$ 13,819,615	\$ 477,522	\$ 14,297,137	\$ 14,297,137	\$ 0	\$ -	\$ 14,297,137	\$ 14,306,719	\$ (9,582)
Administrative	\$ 7,530,385	\$ (862,363)	\$ 6,668,023	\$ 5,603,005	\$ 1,065,018	\$ 546,390	\$ 7,214,413	\$ 5,550,504	\$ 1,663,908
FF&E	\$ 4,150,000	\$ 733,099	\$ 4,883,099	\$ 2,958,098	\$ 1,925,001	\$ -	\$ 4,883,099	\$ 2,932,563	\$ 1,950,536
<b>SUBTOTAL</b>	<b>\$ 161,500,000</b>	<b>\$ 7,952,914</b>	<b>\$ 169,452,915</b>	<b>\$ 166,462,896</b>	<b>\$ 2,990,019</b>	<b>\$ 546,390</b>	<b>\$ 169,999,305</b>	<b>\$ 165,851,652</b>	<b>\$ 4,147,653</b>
Construction Contingency (Hard Cost)	\$ 7,400,000	\$ (7,408,841)	\$ (8,841)	\$ -	\$ (8,841)	\$ -	\$ (8,841)	\$ -	\$ (8,841)
Owner's Contingency - COVID-19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Owner's Contingency (Soft Cost)	\$ 1,100,000	\$ (544,073)	\$ 555,927	\$ -	\$ 555,927	\$ (546,390)	\$ 9,537	\$ -	\$ 9,537
<b>SUBTOTAL</b>	<b>\$ 8,500,000</b>	<b>\$ (7,952,914)</b>	<b>\$ 547,086</b>	<b>\$ -</b>	<b>\$ 547,086</b>	<b>\$ (546,390)</b>	<b>\$ 696</b>	<b>\$ -</b>	<b>\$ 696</b>
<b>PROJECT TOTAL</b>	<b>\$ 170,000,000</b>	<b>\$ -</b>	<b>\$ 170,000,000</b>	<b>\$ 166,462,896</b>	<b>\$ 3,537,105</b>	<b>\$ -</b>	<b>\$ 170,000,000</b>	<b>\$ 165,851,652</b>	<b>\$ 4,148,349</b>



# **Executive Summary**

## **Lowell Elementary School**

- **Remaining interior and exterior Punchlist Scheduled for the week of April 15<sup>th</sup> (Interior items, GFRP repairs and Grass Area repairs)**
- **Approximately \$240k being held in retainage of which \$180k is for GFRP repair**

## **Hosmer Elementary School**

- **Installation of new Swing Set and poured in place surface is scheduled for April/May (Includes repair to playground area under warranty)**
- **Loam and seed is scheduled for May/June**



*Watertown Public Schools Building Committee*

# Questions / Comments

Those members of the public joining via Zoom, please use the Q&A button at this time to ask questions or email questions to: [buildingforfuture@watertown-ma.gov](mailto:buildingforfuture@watertown-ma.gov)



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