

Project Minutes

Project: New Stoneham High School Project No.: 20033
 Prepared by: Joel Seeley Meeting Date: 5/16/2022
 Re: School Building Committee Meeting Time: 7:00pm
 Location: Central Middle School and Remote Participation Meeting No: 47
 Distribution: Attendees (MF)

Attendees:

PRESENT	NAME	AFFILIATION	VOTING MEMBER
✓	Senator Jason Lewis		
✓	Representative Michael Day		
✓	Marie Christie	Co-Chair, School Building Committee	Voting Member
	David Bois	Co-Chair, School Building Committee; Community Member with Architecture Experience	Voting Member
✓	Nicole Nial	School Committee Member	Voting Member
✓	Raymie Parker	Select Board Member	Voting Member
	Douglas Gove	Community Member with Engineering Experience	Voting Member
✓	Stephen O'Neill	Vice-Chair, Community Member with Engineering Experience	Voting Member
✓	Josephine Thomson	Community Member	Voting Member
✓	Jeanne Craigie	Town Moderator	Voting Member
	Lisa Gallagher	Community Member, School Secretary, Past member of Middle School Building Committee	Voting Member
✓	Sharon Iovanni	Community Member	Voting Member
✓	Cory Mashburn	Community Member, Finance and Advisory Board	Voting Member
✓	Paul Ryder	Community Member with Construction Experience	Voting Member
✓	David Pignone	Select Board Member, Athletic Director, Member knowledgeable in educational mission and function of facility	Voting Member
✓	Kevin Yianacopolus	Local Official responsible for Building Maintenance	Voting Member
✓	Dennis Sheehan	Town Administrator / MCPPO Certified	Non-Voting Member
✓	John Macero	Superintendent of Schools, Secretary of School Building Committee	Non-Voting Member
✓	Bryan Lombardi	Stoneham High School Principal	Non-Voting Member
✓	Brian McNeil	Town Facilities Director	Non-Voting Member
Remote	April Lanni	Town Procurement Officer / MCPPO Certified	Non-Voting Member
	David Ljungberg	Assistant Superintendent of Schools	
✓	Brooke Trivas	Perkins and Will	
✓	Patrick Cunningham	Perkins and Will	
	Stephen Messinger	Perkins and Will	
	Kristy Lyons	Consigli Construction	
✓	Todd McCabe	Consigli Construction	
	Steve Banak	Consigli Construction	
✓	Ariel Kondiles	Nexamp	
✓	Robert Smith	SMMA	
✓	Joel Seeley	SMMA	

Item #	Action	Discussion
47.1	Record	Call to Order, 7:00 PM, meeting opened.
47.2	Record	This meeting will be held via video conference and a recording of such will be posted on the Town's website.
47.3	Record	<p>M. Christie introduced Senator Jason Lewis and Representative Michael Day and provided an overview of the Design Development cost estimating and value engineering process the Committee completed. Senator Lewis and Representative Day provided an overview of MSBA funding process and reimbursement criteria and potential sources of additional funding, such as ARPA and Infrastructure Bill and reviewed positive effect of supporting vocational schools to a community.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. J. Craigie thanked Senator Lewis and Representative Day for attending, indicated she had asked for this meeting eight weeks ago and asked if vocational schools were receiving additional funding from a legislative amendment? <i>Senator Lewis indicated no, the amendment related to properly calculating reimbursement based on a participating community's poverty level since meal vouchers were no longer being used.</i> 2. J. Craigie indicated she is concerned that some of the approved VE items, such as the District Offices, can't be put back. 3. R. Parker indicated her highest priority is funding for the Franklin Street traffic signal improvements, as this affects the entire Town. 4. D. Maurer indicated the MSBA website could be clearer related to their funding source and that not all the approved value engineering were non-reimbursable items. 5. J. Macero indicated this is a very unique condition based on timing, and asked if projects that were invited into the MSBA Feasibility Study program between 2020-2022 can be reviewed separately for additional funding? <i>Representative Day indicated that may be a potential use for ARPA funds.</i> 6. J. Craigie indicated the PreK program was kept in the project, but there were many VE items that were approved that were important to Stoneham, such as the Stevens Street traffic signal. 7. D. Sheehan indicated the District Offices can't be put back and asked that potential funding sources be reviewed for their relocation.
47.4	Record	A motion was made by J. Craigie and seconded by R. Parker to approve the 4/25/22 School Building Committee meeting minutes. No discussion, motion passed unanimously.

Item #	Action	Discussion
47.5	Record	J. Seeley reviewed the Budget Status Report, dated 4/30/22, attached.
47.6	Record	<p>J. Seeley reviewed L.W. Bills Quote, dated 5/3/22, to relocate the existing Fire Alarm Master Box cable, in the amount of \$5,975 to be funded out of MSBA ProPay Code 0601-0000, Utility Company Fees budget, which has a balance of \$187,500.</p> <p>A motion was made by J. Craigie and seconded by S. Iovanni to approve L.W. Bills Quote, dated 5/3/22, to relocate the existing Fire Alarm Master Box cable, in the amount of \$5,975 and request signature by D. Sheehan. No discussion, motion passed unanimous.</p>
47.7	Record	<p>J. Seeley reviewed OPM Amendment No. 3, dated 5/16/22, for Owner's Testing and Inspectional Services, in the amount of \$220,000 to be funded out of MSBA ProPay Code 0602-0000, Owner's Testing Services budget, which has a balance of \$560,000.</p> <p>A motion was made by S. Iovanni and seconded by J. Craigie to approve OPM Amendment No. 3, dated 5/16/22, for Owner's Testing and Inspectional Services, in the amount of \$220,000 and request signature by D. Sheehan. No discussion, motion passed unanimous.</p>
47.8	Record	<p>J. Seeley reviewed Warrant No. 25, attached.</p> <p>A motion was made by J. Craigie and seconded by P. Ryder to approve Warrant No. 25. No discussion, motion passed unanimous.</p>
47.9	J. Seeley	<p>J. Seeley reviewed the Updated 60% Construction Documents Phase Meetings and Agenda Schedule, dated 5/9/22, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. J. Macero indicated the Middle School Moving-On ceremony is on 6/13/22. <i>J. Seeley to change the SSBC meeting to Tuesday 6/14/22.</i> 2. J. Craigie asked who is on the Stormwater Board? <i>D. Sheehan indicated the Building Commissioner, Director of DPW and one of the Co-Chairs of the Conservation Commission.</i> 3. S. Iovanni asked if SSBC members can attend the hearings? <i>J. Seeley indicated yes, they are public hearings. D. Sheehan and J. Macero will be representing the SSBC at the hearings.</i> 4. R. Parker indicated the Conservation Commission is typically the last board to provide approvals. <i>J. Seeley indicated the second hearing would be after the other boards' hearing.</i>

Item #	Action	Discussion
47.10	Record	J. Seeley reviewed the Updated Project Schedule, dated 5/6/22, attached and highlighted the updates to Site Permitting, 60% Construction Documents and Early Package Procurement.
47.11	B. Trivas	B. Trivas to provide a layout of delivery trucks and dumpsters at the loading dock for review. <i>(from prior meeting)</i>
47.12	D. Warner	D. Warner to provide a list of trees for review. <i>(from prior meeting)</i>
47.13	D. Warner	D. Warner to provide details of the bollards at the front drop-off area to confirm they will not impede emergency response vehicles, for review. <i>(from prior meeting)</i>
47.14	D. Warner	D. Warner to provide a layout of the Japanese Dogwoods for review. <i>(from prior meeting)</i>
47.15	D. Sheehan	D. Sheehan will review any Federal programs for Covid funds that may be applied to the project. <i>(from prior meeting)</i>
47.16	B. Trivas	B. Trivas will review the acoustic performance of the overhead coiling glass garage doors at the Maker Space with the acoustical consultant and provide direction. <i>(from prior meeting)</i>
47.17	B. Trivas	B. Trivas to review if the batting cage can stay off the main court. <i>(from prior meeting)</i>
47.18	P. Cunningham	P. Cunningham to review the metal wall panel material at the building entry and confirm it is sufficiently durable for that location. <i>(from prior meeting)</i>
47.19	K. Lyons	K. Lyons to determine if the temporary fence at the existing entry drive off Franklin Street can be positioned to allow vehicles to turn around if they mistakenly enter the drive between mid-July and mid-August. <i>(from prior meeting)</i>
47.20	B. Trivas	B. Trivas to provide direction on why the Stormceptor is a proprietary item, how many there are, what are the maintenance requirements. <i>(from prior meeting)</i>
47.21	Committee Members	Committee members to send any additional items to be removed and salvaged to B. McNeil to add to the Preliminary List of Salvaged Items. <i>(from prior meeting)</i>
47.22	P. Cunningham	P. Cunningham will review the coping material, the detail around the windows, control joint locations, texture of the CMU around the windows and present to the SSBC at an upcoming meeting. <i>(from prior meeting)</i>
47.23	K. Lyons	K. Lyons to develop a process chart to address how impediments to the construction schedule due to material availability will be addressed. <i>(from prior meeting)</i>
47.24	K. Lyons	K. Lyons to provide direction on once the Permanent West Parking Lot is installed in Summer 2023, will the remainder of the Temporary Parking Lot still be in use? <i>(from prior meeting)</i>

Item #	Action	Discussion
47.25	K. Lyons	K. Lyons to provide direction if the South Soccer Synthetic Field can be completed by August 2024? <i>(from prior meeting)</i>
47.26	Green Building Initiatives Working Group	<p>A. Kondiles presented Two Options for the PV Solar Canopy Layout that are being reviewed by the Green Building Initiatives Working Group, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> J. Macero indicated the Town should take into consideration the long-term financial return on the larger canopy in Option No. 1. R. Parker asked is the cost the same between the two options? <i>D. Sheehan indicated Option 1 would be more expensive as it has a larger surface area for panels and structure, but it will provide greater generation, possibly providing net metering credits, which will be reviewed by the Green Building Initiatives Working Group.</i> S. Iovanni asked what color would be recommended for the structure? <i>P. Cunningham indicated a light or white color would be recommended.</i> S. O'Neill asked who will be providing the under-canopy parking lot and drive lighting? <i>A. Kondiles indicated Nexamp will provide the under-canopy LED light fixtures and conduit/cabbling to a point, Consigli would provide the conduit and cabling for power from that point to the source.</i>
47.27	Record	B. Trivas presented the 4/26/22 Interiors Subcommittee Meeting Recap, attached.
47.28	Record	J. Seeley reviewed the Potential Additive Bid Alternate Survey Results, attached. The final Additive Bid Alternates list and priority ranking will be voted by the SSBC after the completion of the 60% Construction Documents estimating and VE process.
47.29	Record	B. Trivas reviewed the Updated Proprietary Bid Items List, dated 5/9/22, attached. The list will be reviewed and voted by the SSBC for recommended approval by the School Committee at the 7/21/22 School Committee Meeting.
47.30	Record	<p>Permitting Update</p> <p>J. Seeley provided an update on the site and building permitting.</p> <ol style="list-style-type: none"> MAAB Variance – MAAB Variance Application dated 4/29/22 attached, and hearing scheduled for 5/23/22. Conservation Commission – NOI Application, dated 5/13/22 attached, and hearing scheduled for 5/23/22. Stormwater Board Approval – Stormwater Board hearing scheduled for 5/24/22. Zoning Board of Appeals Variance – ZBA hearing scheduled for 5/26/22.
47.31	Record	J. Seeley reviewed the Consigli Estimated Cost and List of Non-Trade Contractor Bidders for the Early Site Enabling Package, attached.

Item #	Action	Discussion
47.32	Record	<p>Subcommittee Updates</p> <ol style="list-style-type: none"> 1. J. Seeley reviewed the Groundbreaking Ceremony Press Release and Invitation Flyer, attached. 2. J. Seeley reviewed the 5/6/22 Playfields Subcommittee Meeting Minutes, attached. 3. J. Seeley reviewed the 4/25/22 Green Building Initiatives Meeting Minutes, attached. 4. J. Seeley reviewed the 4/22/22 and 5/6/22 Construction Subcommittee Meeting Minutes, attached. 5. J. Seeley reviewed the 4/26/22 Interiors Subcommittee Meeting Minutes, attached. 6. J. Seeley reviewed the 4/25/22 PR Subcommittee Meeting Minutes, attached. 7. J. Seeley reviewed the 2/12/22 Technology Space Meeting Minutes, attached. 8. J. Seeley reviewed the 3/25/22 and 5/3/22 Video Production Meeting Minutes, attached.
47.33	Record	<p>Committee Questions</p> <ol style="list-style-type: none"> 1. R. Parker indicated the Stoneham Transportation Committee is reviewing a potential future MBTA bus extension on Franklin Street, with a potential stop at the High School. 2. J. Macero indicated the SSBC members list for MSBA, to be submitted after 9/1/22, is being updated to include David Ljungberg as Superintendent and Leia DiLorenzo-Secor as Town Budget Director.
47.34	Record	<p>Old or New Business</p> <ol style="list-style-type: none"> 1. J. Seeley reviewed the fully executed BRR No. 1, attached.
47.35	Record	Public Comment - none
47.36	Record	Next SSBC Meeting: June 6, 2022 at 7:00 pm.
47.37	Record	A Motion was made by S. Iovanni and seconded by J. Craigie to adjourn the meeting. No discussion, motion passed unanimous.

Attachments: Agenda, Budget Status Report, L.W. Bills Quote, OPM Amendment No. 3, Warrant No. 25, Updated 60% Construction Documents Phase Meetings and Agenda Schedule, Updated Project Schedule, Two Options for the PV Solar Canopy Layout, Interiors Subcommittee Meeting Recap, Potential Additive Bid Alternate Survey Results, Updated Proprietary Bid Items List, MAAB Variance Application, NOI Application, Consigli Estimated Cost and List of Non-Trade Contractor Bidders for the Early Site Enabling Package, Consigli Estimated Cost and List of Non-Trade Contractor Bidders for the Early Site Enabling Package, 5/6/22 Playfields Subcommittee Meeting Minutes, 4/25/22 Green Building Initiatives Meeting Minutes, 4/22/22 and 5/6/22 Construction Subcommittee Meeting Minutes, 4/26/22 Interiors Subcommittee Meeting Minutes, 4/25/22 PR Subcommittee Meeting Minutes, 2/106/22 Technology Space Meeting Minutes, 3/25/22 and 5/3/22 Video Production Meeting Minutes

PROJECT MEETING SIGN-IN SHEET

Project: New Stoneham High School Project No.: 20033.00
 Prepared by: Joel Seeley Meeting Date: 5/16/2022
 Re: School Building Committee Meeting Time: 7:00pm
 Location: Central Middle School Library and Remote Locations Meeting No: 47
 Distribution: Attendees, (MF)

SIGNATURE	ATTENDEES	EMAIL	AFFILIATION
	Marie Christie	mariechristie@comcast.net	Co-Chair, Past Member of the School Committee/Middle School Building Committee
	David Bois	bois@arrowstreet.com	Co-Chair, Community Member with Architecture Experience
	Nicole Nial	nicole.nial@stonehamschools.org	School Committee Member
	Raymie Parker	rparker@stoneham-ma.gov	Select Board Member
	Douglas Gove	goved11@gmail.com	Vice-Chair, Community Member with Engineer Experience
	Stephen O'Neill	soneill@hayner-swanson.com	Community Member with Engineer Experience
	Josephine Thomson	jthomson315@yahoo.com	Community Member, Middle School Faculty
	Jeanne Craigie	jcraigie@stoneham-ma.gov	Town Moderator
	Lisa Gallagher	lgallagher@stonehamschools.org	Community Member, School Secretary, Past member of Middle School Building Committee
	Sharon Iovanni	sharon.iovanni@stonehambank.com	Community Member
	Cory Mashburn	cory.mashburn910@gmail.com	Community Member, Finance and Advisory Board
	Paul Ryder	pryder@Cambridgema.gov	Community Member with Construction Experience
	David Pignone	dpignone@stonehamschools.org	Select Board Member, Athletic Director, Member knowledgeable in educational mission and function of facility
	Kevin Yianacopolus	kyianacopolus@stonehamschools.org	Local Official responsible for Building Maintenance
	Dennis Sheehan	dsheehan@stoneham-ma.gov	Town Administrator / MCPPO Certified
	John Macero	jmacero@stonehamschools.org	Superintendent of Schools, Secretary of School Building Committee
	David Ljungberg	dijungberg@stonehamschools.org	Assistant Superintendent of Schools
	Bryan Lombardi	blombardi@stonehamschools.org	Stoneham High School Principal
	Brian McNeil	bmcneil@stonehamschools.org	Facilities Director
	April Lanni	alanni@stoneham-ma.gov	Town Procurement Officer / MCPPO Certified
	Brooke Trivas	brooke.trivas@perkinswill.com	Perkins and Will
	Stephen Messinger	stephen.messinger@perkinswill.com	Perkins and Will
	Patrick Cunningham	patrick.cunningham@perkinswill.com	Perkins and Will
	Todd McCabe	tmccabe@consigli.com	Consigli
	Kristy Lyons	klyons@consigli.com	Consigli
	Sarah Traniello	straniello@smma.com	SMMA
	Robert Smith	rsmith@smma.com	SMMA
	Joel Seeley	jseeley@smma.com	SMMA

Agenda

Project:	New Stoneham High School	Project No.:	20033
Re:	School Building Committee Meeting	Meeting Date:	5/16/2022
Prepared by:	Joel Seeley	Meeting Time:	7:00 PM
Meeting Location:	Central Middle School Library & Remote Participation	Meeting No.	47
Distribution:	Attendees (MF)		

1. Call to Order
2. State Delegation Discussion
3. Approval of Minutes
4. Approval of Invoices and Commitments
5. Schedule and Budget Update
6. Photovoltaic Canopy Update
7. Review Design Refinements
8. Review Additive Bidding Alternates
9. Review Proprietary Specifications
10. Review LEED Scorecard
11. Permitting Update
12. Early Site Enabling Package Bidding Update
13. Subcommittee Updates
14. New or Old Business
15. Committee Questions
16. Public Comments
17. Next Meeting: June 6, 2022
18. Adjourn

Join Go-To-Meeting: <https://meet.goto.com/170173085>

Dial-in: [+1 \(408\) 650-3123](tel:+14086503123) **Access Code:** 170-173-085

Symmes Maini & McKee Associates, Inc. (SMMA) Stoneham Public School District Stoneham High School BUDGET / Summary as of: 4/30/2022		Original PFA Budget 08/18/2021	Budget Revisions	Current Budget	Contract Amount	Expended	(B - C) Remaining Contract Amount	Additional Projected Amount	(A - B - E) Budget Balance
Propay code #	Name			A	B	C	D	E	
	Feasibility Study Agreement								
0001-0000	OPM Feasibility Study	187,500.00	(82,500.00)	105,000.00	105,000.00	105,000.00	-	-	-
0002-0000	A&E Feasibility Study	465,000.00	(45,000.00)	420,000.00	420,000.00	420,000.00	-	-	-
0003-0000	Environmental and Site	60,000.00	114,193.14	174,193.14	174,193.14	149,219.27	24,973.87	-	-
0004-0000	Other	37,500.00	13,306.86	50,806.86	49,051.36	48,295.23	756.13	-	1,755.50
	Feasibility Study Agreement Subtotal	\$ 750,000.00	\$ -	\$ 750,000.00	\$ 748,244.50	\$ 722,514.50	\$ 25,730.00	\$ -	\$ 1,755.50
	Administration								
0101-0000	Legal Fees	120,000.00		120,000.00	-	-	-	-	120,000.00
	Owner's Project Manager								
0102-0400	> Design Development	380,000.00		380,000.00	380,000.00	380,000.00	-	-	-
0102-0500	> Construction Contract Documents	640,000.00		640,000.00	640,000.00	-	640,000.00	-	-
0102-0600	> Bidding	180,000.00		180,000.00	180,000.00	-	180,000.00	-	-
0102-0700	> Construction Contract Administration	3,185,100.00		3,185,100.00	3,185,100.00	-	3,185,100.00	-	-
0102-0800	> Closeout	220,000.00		220,000.00	220,000.00	-	220,000.00	-	-
0102-0900	> Extra Services	140,000.00		140,000.00	-	-	-	-	140,000.00
0102-1000	> Reimbursable & Other Services	80,000.00		80,000.00	11,000.00	-	11,000.00	-	69,000.00
0102-1100	> Cost Estimates	-		-	-	-	-	-	-
0103-0000	Advertising	20,000.00		20,000.00	520.00	520.00	-	-	19,480.00
0104-0000	Permitting	120,000.00		120,000.00	-	-	-	-	120,000.00
0105-0000	Owner's Insurance	200,000.00		200,000.00	-	-	-	-	200,000.00
0199-0000	Other Administrative Costs	260,000.00		260,000.00	-	-	-	-	260,000.00
	Administration Subtotal	\$ 5,545,100.00	\$ -	\$ 5,545,100.00	\$ 4,616,620.00	\$ 380,520.00	\$ 4,236,100.00	\$ -	\$ 928,480.00
	Architecture and Engineering								
	Basic Services								
0201-0400	> Design Development	3,233,800.00		3,233,800.00	3,233,800.00	3,233,800.00	-	-	-
0201-0500	> Construction Contract Documents	4,921,000.00		4,921,000.00	4,921,000.00	-	4,921,000.00	-	-
0201-0600	> Bidding	1,124,800.00		1,124,800.00	1,124,800.00	-	1,124,800.00	-	-
0201-0700	> Construction Contract Administration	3,936,800.00		3,936,800.00	3,936,800.00	-	3,936,800.00	-	-
0201-0800	> Closeout	423,600.00		423,600.00	423,600.00	-	423,600.00	-	-
0201-9900	> Other Basic Services	-		-	-	-	-	-	-
	BASIC SERVICES SUBTOTAL	\$ 13,640,000.00	\$ -	\$ 13,640,000.00	\$ 13,640,000.00	\$ 3,233,800.00	\$ 10,406,200.00	\$ -	\$ -
	Reimbursable Services								
0203-0100	> Construction Testing	60,000.00	(8,500.00)	51,500.00	-	-	-	-	51,500.00
0203-0200	> Printing (over minimum)	40,000.00		40,000.00	-	-	-	-	40,000.00
0203-9900	> Other Reimbursable Costs	320,000.00	(7,700.00)	312,300.00	35,950.00	-	35,950.00	-	276,350.00
0204-0200	> Hazardous Materials	269,830.00		269,830.00	34,650.00	-	34,650.00	-	235,180.00
0204-0300	> Geotech & Geo-Env.	657,170.00		657,170.00	277,409.00	47,135.00	230,274.00	-	379,761.00
0204-0400	> Site Survey	44,000.00		44,000.00	44,000.00	-	44,000.00	-	-
0204-0500	> Wetlands	20,000.00		20,000.00	-	-	-	-	20,000.00
0204-1200	> Traffic Studies	209,000.00	7,700.00	216,700.00	216,700.00	23,304.01	193,395.99	-	-
	Architectural and Engineering Subtotal	\$ 15,260,000.00	\$ (8,500.00)	\$ 15,251,500.00	\$ 14,248,709.00	\$ 3,304,239.01	\$ 10,944,469.99	\$ -	\$ 1,002,791.00

Symmes Maini & McKee Associates, Inc. (SMMA) Stoneham Public School District Stoneham High School BUDGET / Summary as of: 4/30/2022		Original PFA Budget 08/18/2021	Budget Revisions	Current Budget	Contract Amount	Expended	(B - C) Remaining Contract Amount	Additional Projected Amount	(A - B - E) Budget Balance
0501-0000	Pre-Construction Services	\$ 258,528.00	\$ 8,500.00	267,028.00	267,028.00	92,330.00	174,698.00	-	\$ -
0502-0001	Construction Budget	\$ 153,418,660.00		\$ 153,418,660.00	\$ -	\$ -	\$ -	\$ -	\$ 153,418,660.00
CSI Code	CSI Description								
0502-0100	Division 1 - General Requirements			-	-	-	-	-	-
0502-0200	Division 2 - Existing Conditions			-	-	-	-	-	-
0502-0300	Division 3 - Concrete			-	-	-	-	-	-
0502-0400	Division 4 - Masonry			-	-	-	-	-	-
0502-0500	Division 5 - Metals			-	-	-	-	-	-
0502-0600	Division 6 - Wood, Plastics and Composites			-	-	-	-	-	-
0502-0700	Division 7 - Thermal & Moisture Protection			-	-	-	-	-	-
0502-0800	Division 8 - Openings			-	-	-	-	-	-
0502-0900	Division 9 - Finishes			-	-	-	-	-	-
0502-1000	Division 10 - Specialties			-	-	-	-	-	-
0502-1100	Division 11 - Equipment			-	-	-	-	-	-
0502-1200	Division 12 - Furnishings			-	-	-	-	-	-
0502-1400	Division 14 - Conveying Systems			-	-	-	-	-	-
0502-2100	Division 21 - Fire Suppression			-	-	-	-	-	-
0502-2200	Division 22 - Plumbing			-	-	-	-	-	-
0502-2300	Division 23 - HVAC			-	-	-	-	-	-
0502-2600	Division 26 - Electrical			-	-	-	-	-	-
0502-2700	Division 27 - Communications			-	-	-	-	-	-
0502-2800	Division 28 - Electronic Safety & Security			-	-	-	-	-	-
0502-3100	Division 31 - Earthwork			-	-	-	-	-	-
0502-3200	Division 32 - Exterior Improvements			-	-	-	-	-	-
0502-3300	Division 33 - Utilities			-	-	-	-	-	-
0502-9900	Retainage			-	-	-	-	-	-
0508-0000	Change Orders			-	-	-	-	-	-
	Construction Budget Subtotal	\$ 153,418,660.00	\$ 8,500.00	\$ 153,418,660.00	\$ -	\$ -	\$ -	\$ -	\$ 153,418,660.00
	Alternates								
0506-0000	Alternates	-		-	-	-	-	-	-
	Alternates Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0600-0000	Miscellaneous Project Costs								
0601-0000	Utility Company Fees	200,000.00		200,000.00	12,500.00	12,500.00	-	-	187,500.00
0602-0000	Testing Services	560,000.00		560,000.00	-	-	-	-	560,000.00
0603-0000	Swing Space / Modulars	-		-	-	-	-	-	-
0699-0000	Other Project Costs (Mailing & Moving)	360,000.00		360,000.00	-	-	-	-	360,000.00
0600-0000	Miscellaneous Project Costs Subtotal	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ 12,500.00	\$ 12,500.00	\$ -	\$ -	\$ 1,107,500.00
0700-0000	Furnishings and Equipment								
0701-0000	Furnishings	1,251,000.00		1,251,000.00	-	-	-	-	1,251,000.00
0702-0000	Equipment								
0703-0000	Computer Equipment	1,251,000.00		1,251,000.00	-	-	-	-	1,251,000.00
	Furnishings and Equipment Subtotal	\$ 2,502,000.00	\$ -	\$ 2,502,000.00	\$ -	\$ -	\$ -	\$ -	\$ 2,502,000.00
0507-0000	Owner's Construction Contingency	7,670,933.00		7,670,933.00	-	-	-	-	7,670,933.00
0801-0000	Owners' (soft cost) Contingency	3,068,373.00		3,068,373.00	-	-	-	-	3,068,373.00
	Contingency Subtotal	\$ 10,739,306.00	\$ -	\$ 10,739,306.00	\$ -	\$ -	\$ -	\$ -	\$ 10,739,306.00
	Total Project Budget	\$ 189,593,594.00	\$ -	\$ 189,593,594.00	\$ 19,893,101.50	\$ 4,419,773.51	\$ 15,206,299.99	\$ -	\$ 169,700,492.50



L.W. BILLS COMPANY TMSM

DIVISION OF B & B ENGINEERING CORPORATION

7-9 Park Street, PO Box 7
Georgetown, MA 01833-0007
(978) 352-6660 - Fax (978) 352-6639
Office@LWBills.com - www.LWBills.com
ESOP Since 2014

Bala Consulting Engineers
Attn: Kijana Haney
52 Temple Street
Boston, MA 02111

May 3, 2022

Dear Kijana,

Job Reference: City Fire Alarm for Stoneham High School

L.W. Bills Company is pleased to quote the installation of a temporary 100mil Fire Alarm Circuit to the existing High School. This work will connect the master box while the underground is dug up for the new High School. This work involves running about 300 ft of c-wire overhead cable and underground to a temporary manhole. The cable will be running down to temporary utility poles tied off to the building and run into the master box. The circuit will be spliced in the main hole to the existing city circuit and tested once the master box is hooked up.

Parts included in this quote are as follows:

300ft - C-wire
20ft - Electrical conduit
3 - J hooks
1 - Tangent support
2 - Dead ends
1 Underground splice kit
Miscellaneous electrical stock

The total cost of this quote is \$5,975.00.

Please note:

- The installing of the utility poles underground conduit and the conduit riser up the poles will be done by the site contractor or others.
- Price does not include excavation or installing of the man or hand holes.
- Police details if needed will be billed separately.
- Permit fees will be billed separately.

All labor and materials hold a one-year warranty. Quote is valid for 30 days. If you would like to proceed with the work, please sign our quote below and return to us with a 50% deposit in the amount of \$2,987.50, so we can order the parts and schedule the work. If you have any questions, please do not hesitate to contact us. Thank you for the opportunity to quote.

Sincerely,

Jim Marshall

Jim Marshall
Service Manager
L.W. Bills Company

JM/laf

Approved: _____ Date: _____

May 16, 2022

Mr. Dennis Sheehan
Town Administrator
Town of Stoneham
35 Central Street, Second Floor
Stoneham, Massachusetts 02180

Re: Stoneham High School

Stoneham, Massachusetts

Testing & Inspectional Services Proposal

SMMA No. 20033

Dear Mr. Sheehan:

We are pleased to submit this proposal for the Owner's Testing and Inspectional Services for the new Stoneham High School Project.

The Owner's Testing Services is to provide on-site material testing and inspection of soils, concrete, asphalt, masonry, steel and roofing. We have requested proposals from four (4) companies that provide these services. The companies are:

1. John Turner Consulting
2. UTS of Massachusetts
3. Yankee Engineering & Testing, Inc.
4. PSI/Intertek

Yankee Engineering & Testing Inc. and PSI/Intertek declined to submit a proposal.

The proposal from UTS of Massachusetts, dated May 6, 2022 is the most cost competitive. Their budget after leveling is \$207,115.00 as defined in the attached Proposal Comparison Form, dated May 16, 2022. The final cost is dependent upon how many actual inspection and tests are performed. We recommend a budget of \$200,000 be established to commence the services, with adjustments made thru additional amendments based on the invoiced costs per the actual number of inspections and tests performed.

The Total Project Budget, ProPay Code 0602-0000, includes an allowance of Five Hundred and Sixty Thousand Dollars (\$560,000.00) for Owner's Testing Services.

The cost for UTS of Massachusetts' services will be billed at our cost plus 10% in accordance with Article 10 of our Contract up to a budget of \$220,000.00. I will call you to review.

I will call you to review.

Very truly yours,

SMMA



Joel G. Seeley
Project Director

1000 Massachusetts Avenue
Cambridge, MA 02138
617.547.5400

www.smma.com

cc: contract file, Robert Smith, Sarah Traniello
enclosures: Proposals from UTS of Massachusetts and John Turner Consulting

ATTACHMENT B

CONTRACT FOR PROJECT MANAGEMENT SERVICES

AMENDMENT NO. 3

WHEREAS, the Town of Stoneham (“Owner”) and Symmes, Maini & McKee Associates, Inc. (SMMA), (the “Owner’s Project Manager”) (collectively, the “Parties”) entered into a Contract for Project Management Services for the Stoneham High School Project (Project Number 201802840505) at the Stoneham High School on March 9, 2020 “Contract”; and

WHEREAS, effective as of May 16, 2022, the Parties wish to amend the Contract, as amended:

NOW, THEREFORE, in consideration of the promises and the mutual covenants contained in this Amendment, and other good and valuable consideration, the receipt and legal sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, hereby agree as follows:

1. The Owner hereby authorizes the Owner’s Project Manager to perform services for the Design Development Phase, the Construction Phases, and the Final Completion Phase of the Project, pursuant to the terms and conditions set forth in the Contract, as amended.
2. For the performance of services required under the Contract, as amended, the Owner’s Project Manager shall be compensated by the Owner in accordance with the following Fee for Basic Services:

Fee for Basic Services:	Original Contract	Prior Amendments	This Amendment	After this Amendment
Feasibility Study Phase	\$ 56,000.00	\$ 0.00	\$ 0.00	\$ 56,000.00
Schematic Design Phase	\$ 49,000.00	\$ 0.00	\$ 0.00	\$ 49,000.00
Design Development Phase	\$ 0.00	\$ 391,000.00	\$ 0.00	\$ 391,000.00
Construction Document Phase	\$ 0.00	\$ 640,000.00	\$ 0.00	\$ 640,000.00
Bidding Phase	\$ 0.00	\$ 180,000.00	\$ 0.00	\$ 180,000.00
Construction Phase	\$ 0.00	\$ 3,185,100.00	\$ 220,000.00	\$ 3,405,100.00
Completion Phase	\$ 0.00	\$ 220,000.00	\$ 0.00	\$ 220,000.00
Total Fee	\$105,000.00	\$4,616,100.00	\$ 220,000.00	\$4,941,100.00

This Amendment is a result of: Provide Testing and Inspectional Services Services. Work to be performed under ProPay Code 0602-0000.

3. The Construction Budget shall be as follows:

Original Budget:	<u>\$153,418,660.00</u>
Amended Budget	<u>\$153,418,660.00</u>

4. The Project Schedule shall be as follows:

Original Schedule:	<u>June 2025</u>
Amended Schedule	<u>June 2025</u>

5. This Amendment contains all of the terms and conditions agreed upon by the Parties as amendments to the original Contract, as amended. No other understandings or representations, oral or otherwise, regarding amendments to the original Contract, as amended, shall be deemed to exist or bind the Parties, and all other terms and conditions of the Contract, as amended, remain in full force and effect.

IN WITNESS WHEREOF, the Owner, with the prior approval of the Authority, and the Owner's Project Manager have caused this Amendment to be executed by their respective authorized officers.

OWNER

Dennis J. Sheehan
(print name)

Town Administrator, Town of Stoneham
(print title)

By _____
(signature)

Date _____

OWNER'S PROJECT MANAGER

Joel G. Seeley
(print name)

Project Director, Symmes Maini & McKee Associates, Inc. (SMMA)
(print title)

By _____
(signature)

Date _____

Testing and Inspectional Services Proposal
 Comparison Form

FIELD INSPECTION SERVICES		UNITS	UTS of MA	JOHN TURNER CONSULTING	AVERAGE	UTS of MA	JOHN TURNER CONSULTING
<u>Soils</u>							
Experienced soils inspector for control of compaction operations and field density tests by the sand cone or nuclear method	\$____/day		\$ 380.00	\$ 420.00		\$ 380.00	\$ 420.00
Estimated number of days required	_____	160	45	103 days	103	103	103
Subtotal estimated cost of Field Soils Compaction Testing	\$_____	\$ 60,800.00	\$ 18,900.00		\$ 39,140.00	\$ 43,260.00	
<u>Asphalt</u>							
Thickness testing of the binder and wearing courses (+/-1/16 inch)	\$____/day		\$ 400.00	\$ 720.00		\$ 400.00	\$ 720.00
Estimated number of days required	_____	20	5	13 days	13	13	13
Subtotal estimated cost of Asphalt Testing Services	\$_____	\$ 8,000.00	\$ 3,600.00		\$ 5,200.00	\$ 9,360.00	
<u>Synthetic Turf Testing</u>							
Experienced licensed field inspector to perform drainage infiltration tests, double ring infiltrometer per ASTM F1551/EN 12616	\$____/day		\$ 680.00	\$ 1,800.00		\$ 680.00	\$ 1,800.00
Estimated number of days required	_____	5	5	5 days	5	5	5
Experienced licensed field inspector to perform surface irregularity and planarity testing per EN 13036 Surface Planarity	\$____/day		\$ 680.00	\$ 1,450.00		\$ 680.00	\$ 1,450.00
Estimated number of days required	_____	1	5	3 days	3	3	3
Subtotal estimated cost of Synthetic Turf Testing Services	\$_____	\$ 4,080.00	\$ 16,250.00		\$ 5,440.00	\$ 13,350.00	
<u>Cast In Place Concrete</u>							
Inspect placement of reinforcing steel	\$____/day		\$ 440.00	\$ 420.00		\$ 440.00	\$ 420.00
Estimated number of days required	_____	100	20	60 days	60	60	60
Experienced licensed field inspector to test plastic concrete for slump, air content, temperature and to fabricate 6"x12" test cylinders	\$____/day		\$ 380.00	\$ 420.00		\$ 380.00	\$ 420.00
Estimated number of days required	_____	25	20	23 days	23	23	23
Subtotal estimated cost of Field Concrete Testing Services	\$_____	\$ 53,500.00	\$ 16,800.00		\$ 35,140.00	\$ 34,860.00	
<u>Concrete Floor Slab Placement</u>							
Inspect concrete slabs for flatness – regular time	\$____/day		\$ 750.00	\$ 1,100.00		\$ 750.00	\$ 1,100.00
Estimated number of regular time days required	_____	15	10	13 days	13	13	13
Inspect concrete slabs for flatness – overtime	\$____/day		\$ 1,100.00	\$ 1,550.00		\$ 1,100.00	\$ 1,550.00
Estimated number of overtime days required	_____	0	4	2 days	2	2	2
Subtotal estimated cost of Concrete Floor Slab Placement Testing Services	\$_____	\$ 11,250.00	\$ 17,200.00		\$ 11,950.00	\$ 17,400.00	

FIELD INSPECTION SERVICES		UNITS	UTS of MA	JOHN TURNER CONSULTING	AVERAGE	UTS of MA	JOHN TURNER CONSULTING
<u>Masonry</u>							
Experienced masonry field inspector to monitor construction including mortar, grout, reinforcing, curing, etc.	\$____/day	\$ 400.00	\$ 440.00			\$ 400.00	\$ 440.00
Estimated number of days required	_____	10	50	30 days	30	30	30
Subtotal estimated cost of Masonry Testing Services	\$_____	\$ 4,000.00	\$ 22,000.00			\$ 12,000.00	\$ 13,200.00
<u>Firestopping</u>							
Experienced firestopping field inspector to monitor firestopping construction	\$____/day	\$ 1,400.00	\$ 950.00			\$ 1,400.00	\$ 950.00
Estimated number of days required	_____	15	10	13 days	13	13	13
Subtotal estimated cost of Firestopping Testing Services	\$_____	\$ 21,000.00	\$ 9,500.00			\$ 18,200.00	\$ 12,350.00
<u>Fireproofing</u>							
Experienced fireproofing field inspector to monitor fireproofing construction	\$____/day	\$ 440.00	\$ 600.00			\$ 440.00	\$ 600.00
Estimated number of days required	_____	50	6	28 days	28	28	28
Subtotal estimated cost of Fireproofing Testing Services	\$_____	\$ 22,000.00	\$ 3,600.00			\$ 12,320.00	\$ 16,800.00
<u>Intumescent Paint</u>							
Experienced intumescent paint field inspector to monitor intumescent fireproofing construction	\$____/day	\$ 440.00	\$ 850.00			\$ 440.00	\$ 850.00
Estimated number of days required	_____	10	4	7 days	7	7	7
Subtotal estimated cost of Intumescent Paint Testing Services	\$_____	\$ 4,400.00	\$ 3,400.00			\$ 3,080.00	\$ 5,950.00
<u>Structural Steel, Steel Joists and Steel Deck</u>							
Inspection of structural steel, steel joists and steel deck at the fabrication plant	\$____/day	\$ 1,000.00	\$ 850.00			\$ 1,000.00	\$ 850.00
Estimated number of days required	_____	5	10	8 days	8	8	8
Field inspection of steel joists including bridging, welding and bolting	\$____/day	\$ 480.00	\$ 850.00			\$ 480.00	\$ 850.00
Estimated number of days required	_____	30	10	20 days	20	20	20
Field inspection of structural steel erection including welding and high strength bolting	\$____/day	\$ 480.00	\$ 850.00			\$ 480.00	\$ 850.00
Estimated number of days required	_____	10	2	6 days	6	6	6
Field inspection of steel deck installation including welding and mechanical fasteners	\$____/day	\$ 480.00	\$ 850.00			\$ 480.00	\$ 850.00
Estimated number of days required	_____	5	2	4 days	4	4	4
Non-destructive testing of full penetration welds	\$____/test	\$ 600.00	\$ 850.00			\$ 600.00	\$ 850.00
Estimated number of days required	_____	5	1	3 days	3	3	3
Subtotal estimated cost of Structural Steel Joists and Steel Deck Inspection Services	\$_____	\$ 29,600.00	\$ 13,600.00			\$ 21,200.00	\$ 28,900.00

FIELD INSPECTION SERVICES		UNITS	UTS of MA	JOHN TURNER CONSULTING	AVERAGE	UTS of MA	JOHN TURNER CONSULTING
<u>Exterior Walls</u>							
Field inspection of exterior light gauge metal framing and curtainwall systems for size, spacing and attachment	\$____/day	\$ 480.00	\$ 850.00			\$ 480.00	\$ 850.00
Estimated number of days required	_____	5	4	5 days	5	5	5
Subtotal estimated cost of Exterior Walls Inspection Services	\$_____	\$ 2,400.00	\$ 3,400.00			\$ 2,400.00	\$ 4,250.00
<u>Air Vapor Barrier – Inspection</u>							
Experienced Air Vapor Barrier field inspector to monitor the Air Vapor Barrier construction and perform adhesion pull tests	\$____/day	\$ 560.00	\$ 900.00			\$ 560.00	\$ 900.00
Estimated number of days required	_____	5	4	5 days	5	5	5
Subtotal Cost of Air Vapor Barrier Inspection Services	\$_____	\$ 2,800.00	\$ 3,600.00			\$ 2,800.00	\$ 4,500.00
<u>Air Vapor Barrier – Air Leakage Test</u>							
Experienced Air Vapor Barrier field inspector to perform Bubble Testing	\$____/day	\$ 1,000.00	\$ 900.00			\$ 1,000.00	\$ 900.00
Estimated number of days required	_____	5	4	5 days	5	5	5
Subtotal estimated cost of Air Vapor Barrier Air Leakage Testing	\$_____	\$ 5,000.00	\$ 3,600.00			\$ 5,000.00	\$ 4,500.00
<u>Windows</u>							
Experienced field inspector for window installation and testing	\$____/day	\$ 2,800.00	\$ 3,500.00			\$ 2,800.00	\$ 3,500.00
Estimated number of days required	_____	3	4	4 days	4	4	4
Subtotal estimated cost of Windows Inspection and Testing Services	\$_____	\$ 8,400.00	\$ 14,000.00			\$ 11,200.00	\$ 14,000.00
<u>Curtainwall</u>							
Experienced field inspector for curtainwall installation and testing	\$____/day	\$ 280.00	\$ 850.00			\$ 280.00	\$ 850.00
Estimated number of days required	_____	5	3	4 days	4	4	4
Subtotal estimated cost of Curtainwall Inspection and Testing Services	\$_____	\$ 1,400.00	\$ 2,550.00			\$ 1,120.00	\$ 3,400.00
<u>Unit Skylights</u>							
Experienced field inspector of unit skylight installation and testing	\$____/day	\$ 2,800.00	\$ 3,500.00			\$ 2,800.00	\$ 3,500.00
Estimated number of days required	_____	1	2	2 days	2	2	2
Subtotal estimated cost of Unit Skylights Inspection and Testing Services	\$_____	\$ 2,800.00	\$ 7,000.00			\$ 5,600.00	\$ 7,000.00

FIELD INSPECTION SERVICES		UNITS	UTS of MA	JOHN TURNER CONSULTING	AVERAGE	UTS of MA	JOHN TURNER CONSULTING		
<u>Framed Skylights</u>									
Experienced field inspector of framed skylight installation and testing	\$____/day	\$	2,800.00	\$	3,500.00	\$	2,800.00	\$	3,500.00
Estimated number of days required	_____		1		2	2	days	2	2
Subtotal estimated cost of Framed Skylights Inspection and Testing Services	\$_____	\$	2,800.00	\$	7,000.00	\$	5,600.00	\$	7,000.00
<u>Roofing</u>									
Inspection of roofing, flashing and accessories	\$____/day	\$	520.00	\$	1,050.00	\$	520.00	\$	1,050.00
Estimated number of days required	_____		2.50		4	3	days	3	3
Subtotal estimated cost of Roofing Inspection Services	\$_____	\$	1,300.00	\$	4,200.00	\$	1,560.00	\$	3,150.00
LABORATORY TESTING									
<u>Soils</u>									
Washed Sieve Analysis (ASTM C36, C117)	\$____/test	\$	120.00	\$	105.00	\$	120.00	\$	105.00
Estimated number of tests required	_____		12		10	11	tests	11	11
Subtotal of Washed Sieve Analysis Testing	\$_____	\$	1,440.00	\$	1,050.00	\$	1,320.00	\$	1,155.00
Hydrometer Analysis (ASTM D422)	\$____/test	\$	150.00	\$	135.00	\$	150.00	\$	135.00
Estimated number of tests required	_____		12		2	7	tests	7	7
Subtotal of Hydrometer Analysis Testing	\$_____	\$	1,800.00	\$	270.00	\$	1,050.00	\$	945.00
Moisture Density Relation (ASTM D1557, D698)	\$____/test	\$	135.00	\$	125.00	\$	135.00	\$	125.00
Estimated number of tests required	_____		12		10	11	tests	11	11
Subtotal of Moisture Density Testing	\$_____	\$	1,620.00	\$	1,250.00	\$	1,485.00	\$	1,375.00
<u>Concrete</u>									
Concrete Test Cylinders (6"x12")	\$____/test	\$	16.00	\$	20.00	\$	16.00	\$	20.00
Estimated number of tests required	_____		180		110	145	tests	145	145
Subtotal of Concrete Cylinder Testing	\$_____	\$	2,880.00	\$	2,200.00	\$	2,320.00	\$	2,900.00
<u>Masonry</u>									
Mortar Cubes (2") or cylinders (3"x6")	\$____/test	\$	16.00	\$	18.00	\$	16.00	\$	18.00
Estimated number of tests required	_____		80		50	65	tests	65	65
Subtotal of Mortar Cubes or Cylinder Testing	\$_____	\$	1,280.00	\$	900.00	\$	1,040.00	\$	1,170.00
Prisms	\$____/test	\$	50.00	\$	20.00	\$	50.00	\$	20.00
Estimated number of tests required	_____		27		10	19	tests	19	19
Subtotal of Prisms Testing	\$_____	\$	1,350.00	\$	200.00	\$	950.00	\$	380.00
TOTAL OF ESTIMATED TESTING & INSPECTION SERVICES									
	TOTAL	\$	255,900.00	\$	176,070.00	\$	207,115.00	\$	251,155.00



Of Massachusetts Inc.
"The Construction Testing People"

May 6, 2022
 P26602

Mr. Joel Seeley
 Symmes Maini & McKee Associates
 1000 Massachusetts Avenue
 Cambridge, MA 02138

RE: Stoneham High School – 149 Franklin Street
 Stoneham, Massachusetts

Dear Mr. Seeley:

We are pleased to submit the following contract for testing and inspection services for your consideration.

SOILS

Mechanical Analysis	\$ 120.00
Proctor Density	\$ 135.00
#200 Wash Sieve	\$ 120.00
Professional Engineer, as needed, per hour	\$ 175.00
Staff Engineer (EIT), as needed, per hour	\$ 95.00
Field Inspection	
Services of an experienced technician at the site to observe placement of fill and conduct required density tests to check compaction of same; all required equipment for testing to be supplied by us and used in space provided by the General Contractor.	
Sand Cone Method	
(maximum day)	\$ 380.00
(minimum day)	\$ 200.00
Nuclear Densometer Method	
(maximum day)	\$ 400.00
(minimum day)	\$ 210.00
Daily Troxler usage charge (per day)	\$ 45.00
Transportation of soil samples to lab for testing when man not at site (per trip)	\$ 40.00



Of Massachusetts Inc.
"The Construction Testing People"

CONCRETE

Plant Inspection

Services of an experienced inspector to verify the moisture content, gradation, batch times, batch weights, and inclusion of additives to concrete. Inspector will also document any adjustments to batch weights and/or additives to concrete.

(maximum day)	\$ 380.00
(minimum day)	\$ 200.00

Field Inspection

Services of an experienced inspector at the site to check slump, air and density of fresh concrete; fabricate test specimens; daily report of work; specimens to be temporarily stored at site in acceptable box supplied by the General Contractor.

(maximum day)	\$ 380.00
(minimum day)	\$ 200.00

Cylinder Testing

Includes casting in molds (furnished by UTS), removal from molds, labeling, entering into our database, curing and storage in proper CCRL approved curing facility, compressive strength testing per specified schedule (ASTM C39), reporting results and disposal. All cylinders logged into lab reporting system will be compressive strength tested and reported.

(per sample) (4 x 8)	\$ 16.00
(per sample) (6 x 12)	\$ 25.00

Transportation of cylinders to lab when man not at site or when three or more sets (per trip)	\$ 40.00
---	----------

MASONRY

Field Inspection

Services of an experienced inspector to witness batching of mortar in the field; witness placing of block; sampling of block, grout and mortar in accordance with specifications; witnessing fabrication of test prisms; daily report of work.

(maximum day)	\$ 400.00
(minimum day)	\$ 210.00



Of Massachusetts Inc.
"The Construction Testing People"

Mortar Testing

Curing, testing, reporting of mortar cubes in conjunction with field inspection (per cube) \$ 16.00

Grout Prism Testing

Curing, capping, testing, reporting of grout test prisms in conjunction with field inspection (per prism) \$ 30.00

Block Prism Testing

Curing, capping, testing, reporting of block test prisms, fabricated by the mason contractor, in conjunction with field inspection (2 block high-8x16) (per prism) \$ 50.00

Transportation of test samples to lab for testing when man not at site (per trip) \$ 40.00

STRUCTURAL STEEL

Fabrication

Services of an experienced inspector to perform a structural steel shop inspection. Duties will include the review of the Quality Control Manual, welding procedures, welder qualifications, Certificates of Compliance, material traceability and quality control inspection reporting as required in the Statement of Special Inspections. Perform a visual inspection of the cutting, layout, bolting and welding procedures. Perform visual inspections of completed members including dimensional verification, weld quality and conformance with the respective shop drawing. Perform non-destructive testing using the magnetic particle and/or ultrasonic methods, as required. A comprehensive report will be generated describing the observations of said inspection (per hour) \$ 125.00

Plus, travel at fabrication rate, expenses & lodging, if applicable.



Of Massachusetts Inc.
"The Construction Testing People"

Reinforcing Steel

Services of an experienced inspector at the site to continuously monitor placement of reinforcing steel for spacing, size and grade as required, daily reporting.

(maximum day) \$ 440.00

(minimum day) \$ 230.00

Erection

Services of an experienced inspector at the site for the visual inspection of field welds and high strength bolting inspection at structural steel connections.

(maximum day) \$ 460.00

(minimum day) \$ 240.00

Nondestructive Testing

Services of an experienced inspector to perform ultrasonic, magnetic particle or dye penetrant testing in accordance with applicable standards.

(maximum day) \$ 560.00

(minimum day) \$ 300.00

Light Gauge Metal Framing

Services of an experienced inspector to verify type, size, quantity, location, details, and connections of framing members.

(maximum day) \$ 460.00

(minimum day) \$ 240.00

ROOFING INSPECTION

The services of an experienced technician for control and inspection of roofing in accordance with the job specifications and requirements; daily reporting.

(maximum day) \$ 500.00

(minimum day) \$ 260.00



Of Massachusetts Inc.
"The Construction Testing People"

AIR VAPOR BARRIER THICKNESS TESTING

Services of an experience technician to monitor the installation/application of liquid air vapor barrier, and perform thickness testing as material is being applied.

(maximum day)

\$ 540.00

(minimum day)

\$ 280.00

FIREPROOFING INSPECTION

Services of an experienced inspector to observe application of fireproofing in accordance with specifications.

(maximum day)

\$ 440.00

(minimum day)

\$ 230.00

ASTM E605 Test Methods for Thickness and Density (per test)

\$ 30.00

ASTM E736 Test Methods for Cohesion/Adhesion (per test)

\$ 30.00

Laboratory Testing (per hour)

\$ 100.00

FIRESTOPPING INSPECTION

IFC Certified Inspector

Services of an experienced **International Firestop Council (IFC) certified inspector** to visually inspect and test fire stop systems. Inspector will also review project plans and specifications as needed for compliance with,

ASTM E2174-Standard Practice of On-Site Inspection of Installed Fire Stops.

ASTM E2393-Standard Practice of On-Site Inspection of Installed Fire Resistive Joint Systems and Fire Barriers.

(per hour)

\$ 175.00

In order for UTS to perform the required inspection and field testing for the on-site firestop systems, UTS needs a complete set of inspection documents, including the listed design for every firestop system that is in use on-site from each trade that is installing firestop, along with an on-site kick off meeting.



U T S of Massachusetts Inc.
"The Construction Testing People"

BITUMINOUS CONCRETE

Field Observation and Testing

The services of an experienced asphalt technician at the project site to observe placement of bituminous concrete, depth of binder and topcoat, observe compaction procedures and submit daily reports of these activities.

(maximum day)	\$ 400.00
(minimum day)	\$ 210.00

Laboratory Analysis of Materials:

Extractions (per test)	\$ 125.00
Marshall Density Determinations (each)	\$ 125.00

WINDOW TESTING

See Attachment A

The final cost of testing services will be determined by the actual testing and inspections performed at the unit prices provided in the price proposal.

ESTIMATED COST OF TESTING & INSPECTIONS \$200,000.00

U T S of Massachusetts, Inc. is an approved testing laboratory, License No. CTL-009, complying with all state regulations governing such certifications.

Testing and inspection can commence immediately. Please notify our office as to who will be requesting services covered by this proposal.

The above prices are based on the following conditions:

- A. Notification of inspection must be received twenty-four (24) hours prior to inspection for prompt service. Short notice and/or same day notifications are subject to a \$100.00 surcharge.
- B. Cancellation of scheduled inspection will be a minimum day rate unless notified four (4) hours in advance of scheduled inspection. Cancellation must be received during business hours only.



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- C. Overtime Monday through Friday will be at time and one-half rate. Saturdays, Sundays and Holidays will be billed at double time rate. Overtime will be billed anytime the workday exceeds 8 hours or if work is done outside of normal business hours. Normal business hours are Monday through Friday 7:00 AM to 5:00 PM.
- D. Multi-Service field inspection is when an inspector performs inspections for multiple services during a single site visit. Multi-Service field inspections will be billed at the higher rate of the two services. This service is as permitted by the daily workload.
- E. There will be no additional charges for mileage or any other expenses including parking. If parking is not provided by the project free of charge, it will be invoiced at cost plus a 10% charge.
- F. Travel time to and from the project will be billed at the rate of \$50.00 per hour. A one (1) hour round trip will be charged.
- G. All lab work performed outside of normal business hours will be subject to a lab opening surcharge.
- H. Any changes to scheduled concrete cylinder breaks after they have been inventoried will be subject to an additional charge of \$25.00 per cylinder.
- I. Client agrees not to hire UTS personnel for at least one (1) year after completion of this contract.
- J. Up to six test reports to you for distribution. Please be aware that all of our reports are available as PDF files via email. Upon request for additional administrative work, reports needed to be uploaded into site specific formats are subject to administrative charge.
- K. The proposed prices on this proposal are valid for 90 days. After 90 days, if not agreed upon, the prices may be revisited and adjusted.
- L. To the fullest extent permitted by law, Contractor/Owner shall indemnify, defend, and hold harmless UTS, UTS's consultants, and any agents and employees of each (with counsel acceptable to UTS) from and against any and all claims, damages, losses and expenses, for bodily injury, sickness, disease, or death or injury to or destruction of tangible property, including but not limited to all defense costs and attorney's fees, arising out of or resulting from performance of the work, including any and all alleged acts or omissions by UTS or its consultants, agents or employees, as well as those arising out of the acts or omissions of Contractor/Owner, an Architect, a Subcontractor, a Supplier, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, or any other person or entity regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder. Notwithstanding any other provision of this Agreement, such obligation shall be read to comply with applicable statutes and shall be extended to all circumstances referenced herein unless specifically prohibited by law. All obligations under this Section shall survive any termination of this Agreement.



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We appreciate the opportunity to be of service to you and we look forward to working with you on this project.

Please **SIGN** and **RETURN** accepted proposal prior to commencement of work, **THANK YOU**.

Sincerely,

U T S OF MASSACHUSETTS, INC.

Bryan M. Crabtree
Head of Business Development & Operations Manager

ACCEPTED BY: _____ DATE: _____

P26602



Of Massachusetts Inc.
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ATTACHMENT A

Window, Door, & Curtain Wall Testing

May 6, 2022

Re: Field Tests of Windows, Doors, and Curtain Wall
Stoneham High School – 149 Franklin Street
Stoneham, Massachusetts

Dear Mr. Seeley:

We are writing in response to your request for a proposal to perform air infiltration and/or water penetration testing on windows, doors and curtain walls installed at the above referenced project. Based upon our conversation, we propose to provide the following testing services.

We propose to perform air infiltration testing in general accordance with ASTM E783, "*Standard Test Method for Field Measurement of Air Leakage through Installed Exterior Windows and Doors,*" and water penetration testing in general accordance with ASTM E1105, "*Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Curtain Walls and Doors by Uniform or Cyclic Static Air Pressure Difference,*" or AAMA 502-12, "*Voluntary Specification for Field Testing of Newly Installed Fenestration Products.*" as well as AAMA 501.2 "*Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls and Sloped Glazing Systems.*" Testing will be conducted at the pressures stated in the specifications.

Access to the interior surfaces of the window/door/curtain walls, electrical connections, and water connections for our hoses located near the test areas are to be provided by others. Access to the exterior is also to be provided by others, i.e., lifts or staging. We recommend that interior finishes should not be installed at the test locations until after the tests are completed, or, if finishes are already in-place, such finishes should be removed. Any damage to paint and wall surfaces resulting from the attachment of the test chamber is to be repaired by others. Perimeter caulking beads shall be allowed to cure for a minimum of 72 hours prior to field testing of the window.

We request that representatives of the window/door/curtain wall installer, window/door/curtain wall manufacturer, and any other trades which are associated with the installation, such as the air/vapor barrier installer, weatherproofing contractor, and architect, be notified of these tests so that they may be present during testing. Upon completion of our tests, we will issue a written report detailing our tests and results for the window/door/curtain walls, and describing our observations of the testing.



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Our charges for these testing services for the windows, doors, and curtain walls, including the report, will be at a rate of \$2,800.00 per day. This is based upon a regular workday of eight hours (seven hours in the field and 1 hour to write the report) during the regular work week of Monday through Friday.

If a quantity of windows that can be tested in a day is provided, it is strictly an estimate based on ideal conditions. The amount of windows to be tested is subject to change due to variation of window size(s), interior and exterior window accessibility, and project conditions. Our charges for any other services, such as attendance of meetings, if required, will be invoiced for actual hours of service in accordance with "Schedule of Fees and Conditions," page which is hereby made part of this proposal. Reimbursable expenses, if any, will be invoiced at cost plus ten percent. Invoices will be submitted once a month for services performed during the previous month. Payment of our invoices will be due within thirty days of invoice date.

Note: On the occasion when UTS is on-site and windows cannot be tested for any reason, such as incomplete installation or lack of access, etc., resulting in a cancellation of the testing, a minimum charge of \$1,300.00 will be applied.

We appreciate the opportunity to submit our proposal and we will be pleased to be of service. If this proposal is acceptable to you, please sign the enclosed copy and return it to us for our files. In addition, please provide a job number or purchase order number, and the name and phone number of a billing contact.

Sincerely,
U T S OF MASSACHUSETTS, INC.

Bryan M. Crabtree
Head of Business Development & Operations Manager

ACCEPTED BY: _____ DATE: _____



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Schedule of Fees and Conditions

1. **Fees for Weatherproofing Inspection and Testing Services**

Our fees for weatherproofing consulting, inspection, and testing services are based on the time worked on the project by our staff, including travel time. Our charges for staff engineers, weatherproofing construction inspectors and testing technicians are for services performed during the regular work week, Monday through Friday, a full day consists of 7 hours in the field and 1 hour writing the report. Saturdays, Sundays, and/or Holidays will be invoiced at 2.0 times the rate.

2. **Equipment and Services by Others**

1. Access to the interior and exterior of the test area. This includes scaffolding, ladders, lifts as well as a lift operator or other means of access to the interior and exterior wall surfaces by our personnel for purposes of inspections and testing, if required, shall be provided by others.
2. Water supply and connections for our hoses for purposes of water testing, if required, shall be provided by others.
3. Labor and materials to make and repair openings in exterior and interior walls for purposes of our examinations, if required, shall be provided by others. **UTS shall not be responsible for any repair work for damage which may have resulted from testing.**
4. Pertinent project architectural drawings, shop drawings, specifications and related documentation shall be provided by others for our review.
5. If the exterior temperature is below 32° Fahrenheit, a tent and heater will be supplied by others to maintain the work area temperature above freezing.
6. When union are on a project and must be used, the union workers must be provided by others.
7. Onsite parking must be supplied for one fenestration testing vehicle.

3. **Payment**

Our invoices generally will be submitted once a month for services performed during the previous month. Payment of our invoices will be due within thirty days of invoice date. If invoices are to be submitted and to be approved by other parties, including the architect, prior to payment, such parties shall use due diligence in processing the invoices and shall advise us promptly of any delays affecting their approval and payment.

April 14, 2022

Mr. Steven Crabtree (via scrabtree@utsofmass.com)
Mr. William Crabtree (via wcrabtree@utsofmass.com)
UTS of Massachusetts, Inc.
Five Richardson Lane
Stoneham, Massachusetts 02180

Re: Stoneham High School

Stoneham, Massachusetts

Testing and Inspection Services / Request for Proposals

SMMA No. 20033

Dear Messrs. Crabtree:

We are writing to request your proposal for testing and inspection services on the above project.

The scope of the project involves the construction, approximately 207,077 gross square feet, of the new Stoneham High School on the site of the existing Stoneham High School housing grades 9-12 at 149 Franklin Street, Stoneham, Massachusetts 02180. Construction is anticipated to commence July 2022.

The scope of testing and inspection services are as defined in Attachment A, appended hereto and the Design Development Documents. Copies of the Design Development Documents can be downloaded using the following hyperlink: **[Design Development Pricing Set – February 28, 2022](#)**

Provide the unit price for each item of testing and inspection services. Unit prices shall include all associated costs such as travel, phone, deliveries and reproduction. Base proposal on the personnel, equipment and facilities required to perform testing and inspection services of the material quantities indicated on the Drawings or Specifications, and for the periods of time estimated to complete the various portions of the construction.

Submit current Certificate of Liability Insurance with proposal.

Provide unit prices and estimated number of tests and inspections to establish a cost range of services for the following. The list is not an all-inclusive listing of tests and inspections required for this work.

FIELD INSPECTION SERVICES

Soils

Experienced soils inspector for control of compaction operations and field density tests by the sand cone or nuclear method	\$380.- /day
Estimated number of days required	<u>160</u>
Subtotal estimated cost of Field Soils Compaction Testing	\$ 60,800.00

Asphalt

Thickness testing of the binder and wearing courses (+/-1/16 inch)	\$400.- /day
Estimated number of days required	<u>20</u>
Subtotal estimated cost of Asphalt Testing Services	<u>\$8,000.00</u>

Synthetic Turf Testing

Experienced licensed field inspector to perform drainage infiltration tests, double ring infiltrometer per ASTM F1551/EN 12616	\$340.- /day half
Estimated number of days required	<u>10/half days</u>
Experienced licensed field inspector to perform surface irregularity and planarity testing per EN 13036 Surface Planarity	\$N/A /day
Estimated number of days required	<u>N/A</u>
Subtotal estimated cost of Synthetic Turf Testing Services	<u>\$3,400.00</u>

Cast In Place Concrete

Inspect placement of reinforcing steel	\$440.- /day
Estimated number of days required	<u>100</u>
Experienced licensed field inspector to test plastic concrete for slump, air content, temperature and to fabricate 6"x12" test cylinders	\$380.- /day
Estimated number of days required	<u>140/4 x 8 cylinders</u>
Subtotal estimated cost of Field Concrete Testing Services	<u>\$53,200.00</u>

Concrete Floor Slab Placement

Inspect concrete slabs for flatness – regular time	\$750.- /day
Estimated number of regular time days required	<u>15</u>
Inspect concrete slabs for flatness – overtime	\$1,100/day
Estimated number of overtime days required	<u>0</u>
Subtotal estimated cost of Concrete Floor Slab Placement Testing Services	<u>\$11,250.00</u>

Masonry

Experienced masonry field inspector to monitor construction including mortar, grout, reinforcing, curing, etc.	\$400.- /day
Estimated number of days required	<u>10</u>
Subtotal estimated cost of Masonry Testing Services	<u>\$4,000.00</u>

Firestopping

Experienced firestopping field inspector to monitor firestopping construction	\$700.- /day half
Estimated number of days required	<u>30/half days</u>
Subtotal estimated cost of Firestopping Testing Services	<u>\$ 21,000.00</u>

Fireproofing

Experienced fireproofing field inspector to monitor fireproofing construction	\$440.- /day
Estimated number of days required	<u>50</u>
Subtotal estimated cost of Fireproofing Testing Services	<u>\$ 22,000.00</u>

Intumescent Paint

Experienced intumescent paint field inspector to monitor intumescent fireproofing construction	\$440.- /day
Estimated number of days required	<u>10</u>
Subtotal estimated cost of Intumescent Paint Testing Services	<u>\$ 4,400.00</u>

Structural Steel, Steel Joists and Steel Deck

Inspection of structural steel, steel joists and steel deck at the fabrication plant	\$1,000/day
Field inspection of steel joists including bridging, welding and bolting	\$240.- /day
Estimated number of days required	(5) Fab & 60/half days field
Field inspection of structural steel erection including welding and high strength bolting	\$240.- /day
Estimated number of days required	<u>20</u>
Field inspection of steel deck installation including welding and mechanical fasteners	\$240.- /day
Estimated number of days required	<u>10</u>
Non-destructive testing of full penetration welds	\$300.- /test ^{half day}
Estimated number of days required	<u>10/half days</u>
Subtotal estimated cost of Structural Steel Joists and Steel Deck Inspection Services	<u>\$ 29,600.00</u>

Exterior Walls

Field inspection of exterior light gauge metal framing and curtainwall systems for size, spacing and attachment	\$240.- /day half
Estimated number of days required	<u>10/half days</u>
Subtotal estimated cost of Exterior Walls Inspection Services	<u>\$ 2,400.00</u>

Air Vapor Barrier – Inspection

Experienced Air Vapor Barrier field inspector to monitor the Air Vapor Barrier construction and perform adhesion pull tests	\$280.- /day half
Estimated number of days required	10/half days
Subtotal Cost of Air Vapor Barrier Inspection Services	\$2,800.00

Air Vapor Barrier – Full Chamber Mockup Test

Experienced Air Vapor Barrier field inspector to perform both static and dynamic air pressure test	\$2,800/day
Estimated number of days required	2
Subtotal Cost of Air Vapor Barrier Full Chamber Services	\$4,600.00

Whole Building Air Leakage Test

Experienced Air Vapor Barrier field inspector to conduct whole building air leak test with blower doors	\$N/A /day
Estimated number of days required	N/A
Subtotal Cost of Air Vapor Barrier Whole Building Test Services	\$ 0

Air Vapor Barrier – Air Leakage Test

Experienced Air Vapor Barrier field inspector to perform Bubble Testing	\$1,000/day
Estimated number of days required	5
Subtotal estimated cost of Air Vapor Barrier Air Leakage Testing	\$5,000.00

Air Vapor Barrier – Smoke Test

Experienced Air Vapor Barrier inspector to perform Smoke Testing	\$280.- /day
Estimated number of days required	included above
Subtotal estimated cost of Air Vapor Barrier Smoke Testing	\$0

Windows

Experienced field inspector for window installation and testing	\$2,800/day
Estimated number of days required	3
Subtotal estimated cost of Windows Inspection and Testing Services	\$8,400.00

Curtainwall

Experienced field inspector for curtainwall installation and testing	\$280.- /day
Estimated number of days required	5
Subtotal estimated cost of Curtainwall Inspection and Testing Services	\$1,400.00

Unit Skylights

Experienced field inspector of unit skylight installation and testing	\$2,800./day
Estimated number of days required	<u>1</u>
Subtotal estimated cost of Unit Skylights Inspection and Testing Services	<u>\$ 2,800.00</u>

Framed Skylights

Experienced field inspector of framed skylight installation and testing	\$2,800./day
Estimated number of days required	included above
Subtotal estimated cost of Framed Skylights Inspection and Testing Services	<u>\$ 0</u>

Roofing

Inspection of roofing, flashing and accessories	\$260.- /day half
Estimated number of days required	<u>5/half days</u>
Subtotal estimated cost of Roofing Inspection Services	<u>\$ 1,300.00</u>

Roofing Systems

Experienced field inspector to conduct water flood testing of roof systems	\$N/A /day
Estimated number of days required	<u>N/A</u>
Subtotal estimated cost of Roofing Systems Flood Test Services	<u>\$ N/A</u>

LABORATORY TESTING

Soils

Washed Sieve Analysis (ASTM C36, C117)	\$120.- /test
Estimated number of tests required	<u>12</u>
Subtotal of Washed Sieve Analysis Testing	<u>\$1,440.00</u>
Hydrometer Analysis (ASTM D422)	\$150.- /test
Estimated number of tests required	<u>12</u>
Subtotal of Hydrometer Analysis Testing	<u>\$1,800.00</u>
Moisture Density Relation (ASTM D1557, D698)	\$135.- /test
Estimated number of tests required	<u>12</u>
Subtotal of Moisture Density Testing	<u>\$ 1,620.00</u>

Concrete

Concrete Test Cylinders (6"x12")	\$16.- /test
Estimated number of tests required	<u>1,890</u>
Subtotal of Concrete Cylinder Testing	<u>\$ 30,240.00</u>
Mix Design Review	\$N/A /ea
Estimated number of reviews required	<u>N/A</u>
Subtotal of Mix Design Review	<u>\$ N/A</u>

Masonry

Mortar Cubes (2") or cylinders (3"x6")	\$16.- /test
Estimated number of tests required	<u>80</u>
Subtotal of Mortar Cubes or Cylinder Testing	<u>\$ 1,280.00</u>
Prisms	\$ 50.- /test
Estimated number of tests required	<u>27</u>
Subtotal of Prisms Testing	<u>\$ 1,350.00</u>
TOTAL OF ESTIMATED TESTING & INSPECTION SERVICES	<u>\$ 284,080.00</u>

ADDITIONAL INFORMATION

Multiple inspections performed by same inspector on same date \$ * /day
*See conditions

The proposal shall include the following items:

- Resumes of Project Manager and Field Technicians proposed for the duration of the project.
- Documentation of insurance with the following limits: (i) professional liability insurances of not less than \$2,000,000 (ii) comprehensive general liability ("CGL") insurance of not less than \$1,000,000 (iii) statutory workers' compensation insurance coverage (iv) employer's liability insurance of not less than \$1,000,000 and (v) umbrella or excess liability insurance of not less than \$1,000,000 covering over the CGL and employer's liability coverage.
- List of similar projects completed in Massachusetts

Thank you for your interest in this proposal and we look forward to receiving your response to SMMA on or before May 6, 2022. Thank you.

Very truly yours,

SMMA | Symmes Maini & McKee Associates

Joel G. Seeley
Project Director

cc: (MF)

enclosures: Attachment A – Scope of Services For Independent Laboratory Testing & Inspection

April 14, 2022

Mr. John D. Turner (via johnt@consultjtc.com)
 John Turner Consulting
 44 Lafayette Road, Suite 6
 PO Box 953
 North Hampton, New Hampshire 03862

Re: Stoneham High School

Stoneham, Massachusetts

Testing and Inspection Services / Request for Proposals

SMMA No. 20033

Dear Mr. Turner:

We are writing to request your proposal for testing and inspection services on the above project.

The scope of the project involves the construction, approximately 207,077 gross square feet, of the new Stoneham High School on the site of the existing Stoneham High School housing grades 9-12 at 149 Franklin Street, Stoneham, Massachusetts 02180. Construction is anticipated to commence July 2022.

The scope of testing and inspection services are as defined in Attachment A, appended hereto and the Design Development Documents. Copies of the Design Development Documents can be downloaded using the following hyperlink: [Design Development Pricing Set – February 28, 2022](#)

Provide the unit price for each item of testing and inspection services. Unit prices shall include all associated costs such as travel, phone, deliveries and reproduction. Base proposal on the personnel, equipment and facilities required to perform testing and inspection services of the material quantities indicated on the Drawings or Specifications, and for the periods of time estimated to complete the various portions of the construction.

Submit current Certificate of Liability Insurance with proposal.

Provide unit prices and estimated number of tests and inspections to establish a cost range of services for the following. The list is not an all-inclusive listing of tests and inspections required for this work.

FIELD INSPECTION SERVICES

Soils

Experienced soils inspector for control of compaction operations and field density tests by the sand cone or nuclear method

\$ 420 /day

Estimated number of days required

45

Subtotal estimated cost of Field Soils Compaction Testing

\$ 18,900

Asphalt

Thickness testing of the binder and wearing courses (+/-1/16 inch)	\$ 720 /day
Estimated number of days required	5
Subtotal estimated cost of Asphalt Testing Services	\$ 3,600

Synthetic Turf Testing

Experienced licensed field inspector to perform drainage infiltration tests, double ring infiltrometer per ASTM F1551/EN 12616	\$ 1,800 /day
Estimated number of days required	5
Experienced licensed field inspector to perform surface irregularity and planarity testing per EN 13036 Surface Planarity	\$ 1,450 /day
Estimated number of days required	5
Subtotal estimated cost of Synthetic Turf Testing Services	\$ 16,250

Cast In Place Concrete

Inspect placement of reinforcing steel	\$ 420 /day
Estimated number of days required	20
Experienced licensed field inspector to test plastic concrete for slump, air content, temperature and to fabricate 6"x12" test cylinders	\$ 420 /day
Estimated number of days required	20
Subtotal estimated cost of Field Concrete Testing Services	\$ 16,800

Concrete Floor Slab Placement

Inspect concrete slabs for flatness – regular time	\$ 1,100
Estimated number of regular time days required	10
Inspect concrete slabs for flatness – overtime	\$ 450 /addt. slab
Estimated number of overtime days required	4
Subtotal estimated cost of Concrete Floor Slab Placement Testing Services	\$ 12,800

Masonry

Experienced masonry field inspector to monitor construction including mortar, grout, reinforcing, curing, etc.	\$ 440 /day
Estimated number of days required	50
Subtotal estimated cost of Masonry Testing Services	\$ 22,000

Firestopping

Experienced firestopping field inspector to monitor firestopping construction	\$ <u>950</u> /day
Estimated number of days required	<u>10</u>
Subtotal estimated cost of Firestopping Testing Services	\$ <u>9,500</u>

Fireproofing

Experienced fireproofing field inspector to monitor fireproofing construction	\$ <u>600</u> /day
Estimated number of days required	<u>6</u>
Subtotal estimated cost of Fireproofing Testing Services	\$ <u>3,600</u>

Intumescent Paint

Experienced intumescent paint field inspector to monitor intumescent fireproofing construction	\$ <u>850</u> /day
Estimated number of days required	<u>4</u>
Subtotal estimated cost of Intumescent Paint Testing Services	\$ <u>3,400</u>

Structural Steel, Steel Joists and Steel Deck

Inspection of structural steel, steel joists and steel deck at the fabrication plant	\$ <u>850</u> /day
Field inspection of steel joists including bridging, welding and bolting	\$ <u>850</u> /day
Estimated number of days required	<u>10</u>
Field inspection of structural steel erection including welding and high strength bolting	\$ <u>850</u> /day
Estimated number of days required	<u>2</u>
Field inspection of steel deck installation including welding and mechanical fasteners	\$ <u>850</u> /day
Estimated number of days required	<u>2</u>
Non-destructive testing of full penetration welds	\$ <u>Inc.</u> /test
Estimated number of days required	<u>Inc. in day rate</u>
Subtotal estimated cost of Structural Steel Joists and Steel Deck Inspection Services	\$ <u>15,300</u>

Exterior Walls

Field inspection of exterior light gauge metal framing and curtainwall systems for size, spacing and attachment	\$ <u>850</u> /day
Estimated number of days required	<u>4</u>
Subtotal estimated cost of Exterior Walls Inspection Services	\$ <u>3,400</u>

Air Vapor Barrier – Inspection

Experienced Air Vapor Barrier field inspector to monitor the Air Vapor Barrier construction and perform adhesion pull tests	\$ 900 /day
Estimated number of days required	4
Subtotal Cost of Air Vapor Barrier Inspection Services	\$ 3,600

Air Vapor Barrier – Full Chamber Mockup Test*

Experienced Air Vapor Barrier field inspector to perform both static and dynamic air pressure test	\$ - /day
Estimated number of days required	-
Subtotal Cost of Air Vapor Barrier Full Chamber Services	\$ -

Whole Building Air Leakage Test*

Experienced Air Vapor Barrier field inspector to conduct whole building air leak test with blower doors	\$ - /day
Estimated number of days required	-
Subtotal Cost of Air Vapor Barrier Whole Building Test Services	\$ -

Air Vapor Barrier – Air Leakage Test

Experienced Air Vapor Barrier field inspector to perform Bubble Testing	\$ 900 /day
Estimated number of days required	4
Subtotal estimated cost of Air Vapor Barrier Air Leakage Testing	\$ 3,600

Air Vapor Barrier – Smoke Test

Experienced Air Vapor Barrier inspector to perform Smoke Testing	\$ 3,500 /day
Estimated number of days required	3
Subtotal estimated cost of Air Vapor Barrier Smoke Testing	\$ 10,500

Windows

Experienced field inspector for window installation and testing	\$ 3,500 /day
Estimated number of days required	4
Subtotal estimated cost of Windows Inspection and Testing Services	\$ 14,000

Curtainwall

Experienced field inspector for curtainwall installation and testing	\$ 850 /day
Estimated number of days required	3
Subtotal estimated cost of Curtainwall Inspection and Testing Services	\$ 2,550

*Accurate cost for these services will require a site visit to determine how to split up the building for set-up. Costs could vary significantly based on actual conditions.

Unit Skylights

Experienced field inspector of unit skylight installation and testing	\$ 3,500 /day
Estimated number of days required	2
Subtotal estimated cost of Unit Skylights Inspection and Testing Services	\$ 7,000

Framed Skylights

Experienced field inspector of framed skylight installation and testing	\$ 3,500 /day
Estimated number of days required	2
Subtotal estimated cost of Framed Skylights Inspection and Testing Services	\$ 7,000

Roofing

Inspection of roofing, flashing and accessories	\$ 1,050 /day
Estimated number of days required	4
Subtotal estimated cost of Roofing Inspection Services	\$ 4,200

Roofing Systems*

Experienced field inspector to conduct water flood testing of roof systems	\$ - /day
Estimated number of days required	-
Subtotal estimated cost of Roofing Systems Flood Test Services	\$ -

LABORATORY TESTING

Soils

Washed Sieve Analysis (ASTM C36, C117)	\$ 105 /test
Estimated number of tests required	10
Subtotal of Washed Sieve Analysis Testing	\$ 1,050
Hydrometer Analysis (ASTM D422)	\$ 135 /test
Estimated number of tests required	2
Subtotal of Hydrometer Analysis Testing	\$ 270
Moisture Density Relation (ASTM D1557, D698)	\$ 125 /test
Estimated number of tests required	10
Subtotal of Moisture Density Testing	\$ 1,250

Concrete

Concrete Test Cylinders (6"x12")	\$ 20 /test
Estimated number of tests required	110
Subtotal of Concrete Cylinder Testing	\$ 2,200
Mix Design Review	\$ 300 /ea
Estimated number of reviews required	1
Subtotal of Mix Design Review	\$ 300

*Accurate cost for these services will require a site visit to determine how to split up the building for set-up. Costs could vary significantly based on actual conditions.

Masonry

Mortar Cubes (2") or cylinders (3"x6")	\$ 18 /test
Estimated number of tests required	50
Subtotal of Mortar Cubes or Cylinder Testing	\$ 900
Prisms	20 grout /test
Estimated number of tests required	10
Subtotal of Prisms Testing	\$ 200
TOTAL OF ESTIMATED TESTING & INSPECTION SERVICES	\$ 180,770

ADDITIONAL INFORMATION

Multiple inspections performed by same inspector on same date	\$ 420 /day
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The proposal shall include the following items:

- Resumes of Project Manager and Field Technicians proposed for the duration of the project.
- Documentation of insurance with the following limits: (i) professional liability insurances of not less than \$2,000,000 (ii) comprehensive general liability ("CGL") insurance of not less than \$1,000,000 (iii) statutory workers' compensation insurance coverage (iv) employer's liability insurance of not less than \$1,000,000 and (v) umbrella or excess liability insurance of not less than \$1,000,000 covering over the CGL and employer's liability coverage.
- List of similar projects completed in Massachusetts

Thank you for your interest in this proposal and we look forward to receiving your response to SMMA on or before May 6, 2022. Thank you.

Very truly yours,

SMMA | Symmes Maini & McKee Associates

Joel G. Seeley
Project Director

cc: (MF)

enclosures: Attachment A – Scope of Services For Independent Laboratory Testing & Inspection

Warrant No. 25

Project:	Stoneham High School, Stoneham, Massachusetts	Project No.:	20033
Prepared by:	Joel G. Seeley, AIA	Date:	5/16/2022

School Building Committee for the Stoneham High School hereby authorizes to draw against funds for the obligations incurred for value received in services and for materials shown below:

<u>Vendor</u>	<u>Invoice No.</u>	<u>Invoice Date</u>	<u>Invoice Amount</u>	<u>ProPay Code</u>	<u>Balance After Invoice</u>
Stoneham Independent	Legal Ad 220602	5/4/2022	\$ 276.00	0103-0000	\$ 19,204.00
L.W. Bills Company		5/3/2022	\$ 2,987.50	0601-0000	\$ 184,512.50
Sustainable Energy Advantage, LLC	5537	12/31/2021	\$ 756.13	0004-0000	\$ 0.00
Sustainable Energy Advantage, LLC	5650	4/30/2022	\$ 2,601.65	0203-9900	\$ 17,398.35
Rainen Law Office	860273	3/22/2022	\$ 6,660.00	0101-0000	\$ 113,340.00
Perkins & Will	0190750	5/3/2022	\$ 702,999.30	0201-0500	\$ 4,218,000.70
Perkins & Will	0190750 AM13	5/3/2022	\$ 42,619.50	0204-0300	\$ 12,809.50
Perkins & Will	0190750 AM16	5/3/2022	\$ 4,125.00	0204-0300	\$ 71,390.00
Perkins & Will	0190750 AM17	5/3/2022	\$ 44,000.00	0204-0400	\$ 0.00
Perkins & Will	0190750 AM19	5/3/2022	\$ 8,800.00	0203-9900	\$ 0.00
SMMA	56971	5/3/2022	\$ 89,600.00	0102-0500	\$ 550,400.00
Consigli Construction Co.	PreCon 7	4/30/2022	\$ 18,466.00	0501-0000	\$ 147,732.00
Total			\$ 923,134.95		

Marie Christie

David Bois

Nicole Nial

Raymie Parker

Kevin Yianacopolus

Douglas Gove

Stephen O'Neill

Josephine Thomson

Jeanne Craigie

Lisa Gallagher

Sharon Iovanni

Cory Mashburn

Paul Ryder

David Pignone

Approved on _____



L.W. BILLS COMPANY ^{TMSM}

DIVISION OF B & B ENGINEERING CORPORATION

7-9 Park Street, PO Box 7
Georgetown, MA 01833-0007
(978) 352-6660 - Fax (978) 352-6639
Office@LWBills.com - www.LWBills.com
ESOP Since 2014

Bala Consulting Engineers
Attn: Kijana Haney
52 Temple Street
Boston, MA 02111

May 3, 2022

Dear Kijana,

Job Reference: City Fire Alarm for Stoneham High School

L.W. Bills Company is pleased to quote the installation of a temporary 100mil Fire Alarm Circuit to the existing High School. This work will connect the master box while the underground is dug up for the new High School. This work involves running about 300 ft of c-wire overhead cable and underground to a temporary manhole. The cable will be running down to temporary utility poles tied off to the building and run into the master box. The circuit will be spliced in the main hole to the existing city circuit and tested once the master box is hooked up.

Parts included in this quote are as follows:

300ft - C-wire
20ft - Electrical conduit
3 - J hooks
1 - Tangent support
2 - Dead ends
1 Underground splice kit
Miscellaneous electrical stock

The total cost of this quote is \$5,975.00.

Please note:

- The installing of the utility poles underground conduit and the conduit riser up the poles will be done by the site contractor or others.
- Price does not include excavation or installing of the man or hand holes.
- Police details if needed will be billed separately.
- Permit fees will be billed separately.

All labor and materials hold a one-year warranty. Quote is valid for 30 days. If you would like to proceed with the work, please sign our quote below and return to us with a 50% deposit in the amount of \$2,987.50, so we can order the parts and schedule the work. If you have any questions, please do not hesitate to contact us. Thank you for the opportunity to quote.

Sincerely,

Jim Marshall

Jim Marshall
Service Manager
L.W. Bills Company

JM/laf

Approved: _____ Date: _____

Sustainable Energy Advantage, LLC

161 Worcester Rd, Suite 503

Framingham, MA 01701

Phone # 508-665-5855 Fax # 508-665-5858

bgrace@seadvantage.com www.seadvantage.com

Invoice

Date	Invoice #
12/31/2021	5537

Bill To
Town of Stoneham Dennis Sheehan 35 Central Street Stoneham, MA 02180

Customer Contract ID	SEA Client Job Code	Terms	Due Date
09.27.21 ConsultAgmt/SOW#1	259.1.1	30 Days	1/30/2022
Description	Qty	Rate	Amount
Stoneham High School Solar RFP			
Task 1: Data Collection and RFP Prose Customization for a Third-party Owned Project			
Tom Michelman, Sr. Director, hours for December 2021 per attached timesheet.	17.74	283.00	5,020.42
John Keene, Sr. Director, hours for December 2021 per attached timesheet.	2.91	273.00	794.43
Invoice adjustment due to budget cap: Not-to-Exceed \$5,000		-2,606.24	-2,606.24
Task 2: Assist w/Solicitation and Signing of Agreement to Host a Third-Party Owned Project			
Tom Michelman, Sr. Director, hours for December 2021 per attached timesheet.	8.56	283.00	2,422.48
Stephan Wollenburg, Sr. Consultant, hours for December 2021 per attached timesheet.	20.83	235.00	4,895.05
Sahil Bahkt, Analyst, hours for November 2021 per attached timesheet.	46.67	120.00	5,600.40
Invoice adjustment due to budget cap: Not-to-Exceed \$x15,000		-370.41	-370.41
Thank you for your business!		Total	\$15,756.13



Time Entries by Project

Time Entry Date: From Wednesday, December 1, 2021 to Friday, December 31, 2021

Approval Status	Date	Hours Worked	Description
Project: Stoneham, Town of, 259.1.1, Stoneham High School Solar RFP			
Client: Stoneham, Town of			
Description:			
Employee: Bakht, Sahil			
Task: Task 2: Implement RFP			
Approved	12/1/2021	4.00	Stoneham CPS logic building
Approved	12/1/2021	1.50	Stoneham Bid sheet updates planning/questions
Approved	12/2/2021	3.00	Stoneham CPS/DR integration
Approved	12/3/2021	3.00	Stoneham add degradation logic for PV+ESS
Approved	12/3/2021	2.00	Stoneham ICAP tag calculations updates
Approved	12/6/2021	3.50	Update FCM/ Regional prices for bid sheet
Approved	12/6/2021	3.00	Updating Assumptions+ Ask ISO research
Approved	12/6/2021	1.50	Updating delivery/supply charges
Approved	12/7/2021	1.00	Meeting with TSM,SFW, JJK
Approved	12/7/2021	1.50	Work on updating various assumptions
Approved	12/8/2021	0.50	Updated SMART adder assumptions
Approved	12/8/2021	1.50	Battery+PV FCM participation research work
Approved	12/8/2021	2.00	Meeting with SFW + work on updating multiple assumptions for bid sheet
Approved	12/8/2021	1.50	ESS+PV FCM participation research work
Approved	12/8/2021	1.00	SCC research/emails
Approved	12/9/2021	1.50	Stoneham bid sheet remaining changes/updates
Approved	12/13/2021	2.67	Final Model updates
Approved	12/21/2021	2.00	RFP implementing updates to the model
Approved	12/21/2021	4.50	RFP changes to include Town net benefits
Approved	12/21/2021	0.50	Meeting with tom on RFP updates
Approved	12/22/2021	1.00	RFP final changes
Approved	12/22/2021	2.50	Locking the file and implementing all remaining changes to RFP
Approved	12/22/2021	1.50	Meeting with tom discussing final updates
	Task Total	46.67	
	Employee Total	46.67	

Employee: Keene, John

Task: Task 1: Collect Information and Draft RFP

Approved	12/8/2021	0.50	Review emails from TSM, SFW, SB re FCM QC/ revenue assumptions and ELCC impacts; related research
Approved	12/16/2021	0.33	Call w/ TSM re Stoneham RFP
Approved	12/16/2021	1.00	Review prior leases/documents -for Stoneham RFP
Approved	12/20/2021	1.00	Review/edit Stoneham RFP
Approved	12/20/2021	0.08	Email from/to TSM re status of review
	Task Total	2.91	
	Employee Total	2.91	

Employee: Michelman, Tom

Task: Task 1: Collect Information and Draft RFP

Approved	12/6/2021	0.33	Follow-up on interconnection and size of solar array
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Time Entries by Project

Time Entry Date: From Wednesday, December 1, 2021 to Friday, December 31, 2021

Approval Status	Date	Hours Worked	Description
Approved	12/6/2021	0.25	Review material for checkin calls.
Approved	12/6/2021	1.17	Prep for and have biweekly call and then follow-up on files.
Approved	12/8/2021	0.50	Respond to SFW's questions on bid terms and April's request
Approved	12/12/2021	0.45	Edits to RFP
Approved	12/13/2021	0.22	Review Joel responses to email questions sent and have call w/ April
Approved	12/13/2021	0.75	Craft long list of email questions
Approved	12/13/2021	1.00	craft long list of email quesitons.
Approved	12/14/2021	0.67	Prep for call w/ DOER on ACES report and why no FCM revenue for both BTM and FTM projects (and how it could impact assumptions on price bid form)
Approved	12/14/2021	1.23	Review Stoneham Community Solar Agreement. Opine on its potential impacts on billing absorption capacity. Reply on status of RFP draft and reiterate critical outstanding questions
Approved	12/14/2021	0.30	Square Feet Scratch Pad
Approved	12/15/2021	0.18	Have call w/ rooftop market participant on rule of thumb for acres / MW to confirm assumptions.
Approved	12/16/2021	0.43	Skim thru new documents, place on Shared Drive, communicate w/ team and setup internal meeting
Approved	12/16/2021	2.92	Edit RFP for latest mark-ups and changes.
Approved	12/17/2021	0.75	Call on PV area needed - Acres / Square Foot
Approved	12/20/2021	0.67	Edits to RFP
Approved	12/20/2021	1.08	Summarize status and questions for Dec-20th meeting
Approved	12/20/2021	0.17	Review Erin Wortman's submission of Constellation competitive electric generation contract and question whether it is the latest amendment.
Approved	12/20/2021	1.63	Dec-20th call plus Final Prep for by sending out list of items and checking in with JJK
Approved	12/21/2021	0.75	Drafting RFP edits
Approved	12/21/2021	0.42	Stoneham Edits
Approved	12/21/2021	0.92	finish edits to V4 and send out
Approved	12/21/2021	0.20	Request Joel post related documents
Approved	12/22/2021	0.25	Provide punchlist question
Approved	12/28/2021	0.50	Draft V5 of RFP
	Task Total	17.74	
Task: Task 2: Implement RFP			
Approved	12/1/2021	0.75	Call w/ SFW on Pricing Bid form, follow-up by nudging team on requests
Approved	12/7/2021	0.20	Review bid eval assumptions
Approved	12/7/2021	0.83	Pricing Bid Form Eval Meeting
Approved	12/8/2021	2.33	Review issues w/ Price Bid Form, assign edits to appendices, reach out to ABRSD and SFW
Approved	12/9/2021	0.25	Respond to SFW edits on Price Bid Form
Approved	12/12/2021	0.95	Respond to and Research to SFW Questions on Price Bid Form
Approved	12/20/2021	0.25	Trying to pin down understanding of contract pricing with Constellation.
Approved	12/22/2021	1.92	QC Price Bid Form Spreadsheet
Approved	12/23/2021	1.08	QC and Finalize Draft Price Bid Form
	Task Total	8.56	
	Employee Total	26.30	



Time Entries by Project

Time Entry Date: From Wednesday, December 1, 2021 to Friday, December 31, 2021

Approval Status	Date	Hours Worked	Description
Employee: Wollenburg, Stephan			
Task: Task 2: Implement RFP			
Approved	12/1/2021	3.17	Updates, edits to bid evaluation form, calls w/ SMB and TSM
Approved	12/2/2021	0.50	Reviewing CPS integration into bid form, reviewing load and weather data
Approved	12/3/2021	2.08	Reviewing assumption updates required; analyzing TMY data, including details w/ Thornton Tomasetti
Approved	12/6/2021	4.50	Create DR and peak events for TMY year; apply to bid evaluation form; updates to bid evaluation form assumptions, including calls w/ SMB and TSM. Confirming load details w/ Thornton Tomasetti.
Approved	12/7/2021	2.58	Internal call finalizing assumptions, edits to bid eval form, researching assumptions/inputs
Approved	12/8/2021	2.75	Internal calls finalizing assumptions, edits to bid eval form, researching assumptions/inputs
Approved	12/9/2021	2.00	Review, edit RFP, ensure alignment with bid form
Approved	12/9/2021	1.33	reviewing bidders list
Approved	12/10/2021	1.25	Adding metrics for project net benefits and value of excess NMCs
Approved	12/12/2021	0.67	Add new net benefit metric
	Task Total	20.83	
	Employee Total	20.83	
	Project Total	96.71	
	Grand Total	96.71	

Sustainable Energy Advantage, LLC

161 Worcester Rd, Suite 503

Framingham, MA 01701

Phone # 508-665-5855 Fax # 508-665-5858

bgrace@seadvantage.com www.seadvantage.com

Invoice

Date	Invoice #
4/30/2022	5650

Bill To
Town of Stoneham April Lanni 35 Central Street Stoneham, MA 02180

Customer Contract ID	SEA Client Job Code	Terms	Due Date
SOW#2 04.25.22	259.2.1	30 Days	5/30/2022
Description	Qty	Rate	Amount
Stoneham High School Solar Ongoing PPA Support Task 1: Project Host and Offtaker Consultant Tom Michelman, Sr. Director, hours for April 2022 per attached timesheet.	8.53	305.00	2,601.65
Thank you for your business!		Total	\$2,601.65



Time Entries by Project

Time Entry Date: From Friday, April 1, 2022 to Saturday, April 30, 2022

Approval Status	Date	Hours Worked	Description
Project: Stoneham, Town of, 259.2.1, Stoneham HS PPA Support			
Client: Stoneham, Town of			
Description:			
Employee: Michelman, Tom			
Task: Task 1: Project Host and Offtaker Consultant			
Approved	4/4/2022	0.75	Kick-off call w/ Nexamp
Approved	4/11/2022	0.83	Attend fortnightly call
Approved	4/20/2022	0.33	annotate Nexamp proposal as basis for questions
Approved	4/20/2022	0.58	Reread and Annotate Nexamp's Bid Offer in order to ask questions about approach.
Approved	4/22/2022	2.00	Draft detailed questions based on Nexamp's proposal and send out
Approved	4/23/2022	0.25	Start review of Nexamp's proposed contract
Approved	4/25/2022	1.00	Attend bi-weekly Meeting
Approved	4/26/2022	0.67	Review Nexamp draft agreement
Approved	4/26/2022	0.92	Review Nexamp contract
Approved	4/26/2022	0.28	Review Nexamp draft agreement
Approved	4/28/2022	0.92	Prep for and attend Nexamp Questions on proposal call
	Task Total	8.53	
	Employee Total	8.53	
	Project Total	8.53	
	Grand Total	8.53	

RAINEN LAW OFFICE, P.C.

231 SUTTON STREET
UNIT 2E
NORTH ANDOVER, MA 01845
TEL: 978-975-4144 FED.ID:04-2775958

Invoice

Date	Invoice #
3/22/2022	860273

Bill To
Town of Stoneham 35 Central Street Stoneham, MA 02180

Our File #	Due Date	Rep	Job	Your File #		
62826	3/22/2022	BH	Stoneham, 6 Franklin Place			
Item	Description			HRS	Rate	Amount
Title Examiner Attorney	Title Examiner Attorney Edward Rainen (see attached itemized bill)			19 13.6	100.00 350.00	1,900.00 4,760.00
Total						\$6,660.00
Payments/Credits						\$0.00
Balance Due						\$6,660.00

Perkins&Will

Invoice

May 3, 2022

Project No:

153010.000

Invoice No:

0190750

Dennis Sheehan
 Town of Stoneham
 Town Hall
 35 Central St
 Stoneham, MA 02180

Stoneham High School - FS-Closeout

Professional Services: through April 29, 2022

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Feasibility Phase	175,000.00	100.00	175,000.00	175,000.00	0.00
Schematic Design	245,000.00	100.00	245,000.00	245,000.00	0.00
Amendment #1	0.00	0.00	0.00	0.00	0.00
Survey/Wetlands-Nitsch	27,500.00	100.00	27,500.00	27,500.00	0.00
Phase 1 ESA	2,970.00	0.00	0.00	0.00	0.00
Geotechnical Services-Lahlaf	16,417.50	100.00	16,417.50	16,417.50	0.00
Hazardous Materials-UEC	4,950.00	100.00	4,950.00	4,950.00	0.00
Amendment #2	0.00	0.00	0.00	0.00	0.00
Traffic Analysis-Nelson Nygaard	18,150.00	0.00	0.00	0.00	0.00
Amendment #3	0.00	0.00	0.00	0.00	0.00
Hydrant Flow Testing-AE	1,760.00	100.00	1,760.00	1,760.00	0.00
Amendment #4	0.00	0.00	0.00	0.00	0.00
Traffic Analysis-Nelson Nygaard	-18,150.00	0.00	0.00	0.00	0.00
Amendment #5	0.00	0.00	0.00	0.00	0.00
Traffic Analysis-Nelson Nygaard	4,166.14	100.00	4,166.14	4,166.14	0.00
Amendment #6	0.00	0.00	0.00	0.00	0.00
Traffic Analysis - Vanasse	13,970.00	70.6693	9,872.50	9,872.50	0.00
Amendment #7	0.00	0.00	0.00	0.00	0.00
Geotechnical - Lahlaf	23,699.50	100.00	23,699.50	23,699.50	0.00

REMIT PAYMENTS TO Perkins&Will, Inc.
 PO Box 71181
 Chicago, IL 60694-1181

WIRE/ACH TO BMO Harris Bank
 ABA# 071000288, Acct# 3769601
 SWIFT HATRUS44

TERMS Net 30 Days

Project	153010.000	Stoneham High School:FS-Closeout			Invoice	0190750
Amendment #8	0.00	0.00	0.00	0.00	0.00	0.00
Geothermal - McPhail	55,000.00	67.4423	37,093.28	37,093.28	0.00	0.00
Amendment #9	0.00	0.00	0.00	0.00	0.00	0.00
Survey - Nitsch	23,760.00	100.00	23,760.00	23,760.00	0.00	0.00
Amendment #10	0.00	0.00	0.00	0.00	0.00	0.00
Walk Through	3,800.00	100.00	3,800.00	3,800.00	0.00	0.00
Amendment #11	0.00	0.00	0.00	0.00	0.00	0.00
Design Documents	3,233,800.00	100.00	3,233,800.00	3,233,800.00	0.00	0.00
Construction Documents	4,921,000.00	14.2857	702,999.30	0.00	702,999.30	0.00
Bidding	1,124,800.00	0.00	0.00	0.00	0.00	0.00
Construction Administration	3,936,800.00	0.00	0.00	0.00	0.00	0.00
Completion	423,600.00	0.00	0.00	0.00	0.00	0.00
Amendment #12	0.00	0.00	0.00	0.00	0.00	0.00
Hazardous Materials - UEC	34,650.00	0.00	0.00	0.00	0.00	0.00
Amendment #13	0.00	0.00	0.00	0.00	0.00	0.00
Geotechnical - LGLI	55,429.00	76.8903	42,619.50	0.00	42,619.50	0.00
Amendment #14	0.00	0.00	0.00	0.00	0.00	0.00
Geo-environmental - FS Engineers	13,640.00	0.00	0.00	0.00	0.00	0.00
Amendment #15	0.00	0.00	0.00	0.00	0.00	0.00
Soil Testing - FS Engineers	85,690.00	0.00	0.00	0.00	0.00	0.00
Amendment #16	0.00	0.00	0.00	0.00	0.00	0.00
Test Well - McPhail	122,650.00	41.7937	51,260.00	47,135.00	4,125.00	0.00
Amendment #17	0.00	0.00	0.00	0.00	0.00	0.00
Survey Work - Nitsch	44,000.00	100.00	44,000.00	0.00	44,000.00	0.00
Amendment #18	0.00	0.00	0.00	0.00	0.00	0.00
Traffic Work - Vanasse	216,700.00	10.754	23,304.01	23,304.01	0.00	0.00
Amendment #19	0.00	0.00	0.00	0.00	0.00	0.00
Topographic Survey - Nitsch	8,800.00	100.00	8,800.00	0.00	8,800.00	0.00
Total Fee	14,819,552.14		4,679,801.73	3,877,257.93	802,543.80	

Total Fee 802,543.80

Total this Invoice \$802,543.80

REMIT PAYMENTS TO Perkins&Will, Inc.
PO Box 71181
Chicago, IL 60694-1181

WIRE/ACH TO BMO Harris Bank
ABA# 071000288, Acct# 3769601
SWIFT HATRUS44

TERMS Net 30 Days

REMIT PAYMENTS TO Perkins&Will, Inc.
PO Box 71181
Chicago, IL 60694-1181

WIRE/ACH TO BMO Harris Bank
ABA# 071000288, Acct# 3769601
SWIFT HATRUS44

TERMS Net 30 Days



Mr. Dennis Sheehan
Town Administrator
Town of Stoneham
35 Central St
Stoneham, MA 02180

May 3, 2022
Project No: 20033.00
Invoice No: 0056971

Project 20033.00 Stoneham High School OPM Services
Professional Services from April 2, 2022 to April 29, 2022

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Feasibility Study	56,000.00	100.00	56,000.00	56,000.00	0.00
Schematic Design	49,000.00	100.00	49,000.00	49,000.00	0.00
Design Development	380,000.00	100.00	380,000.00	380,000.00	0.00
Construction Documents	640,000.00	14.00	89,600.00	0.00	89,600.00
Bidding	180,000.00	0.00	0.00	0.00	0.00
Construction Administration	3,185,100.00	0.00	0.00	0.00	0.00
Closeout	220,000.00	0.00	0.00	0.00	0.00
Total Fee	4,710,100.00		574,600.00	485,000.00	89,600.00
		Total Fee			89,600.00
				Total this Invoice	\$89,600.00

Billings to Date

	Current	Prior	Total
Fee	89,600.00	485,000.00	574,600.00
Expense	0.00	614.08	614.08
Totals	89,600.00	485,614.08	575,214.08

Authorized By: Joel Seeley

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF ____ PAGES

TO OWNER: Symmes Maini & McKee Associates
1000 Massachusetts Avenue
Cambridge, MA 02138

PROJECT: Stoneham High School

Invoice: 7
Draw: 2515-07
Application date: 4/30/2022
Period ending date: 4/30/2022

- DISTRIBUTE TO:
- OWNER
 - ARCHITECT
 - CONTRACTOR
 -
 -

FROM CONTRACTOR: Consigli Construction Co., Inc.
72 Sumner Street
Milford, MA 01757

VIA ARCHITECT: Perkins + Will
225 Franklin Street
Boston, MA 02110

PROJECT NO: 2515
CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown above, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$283,528.00
2. NET CHANGE BY CHANGE ORDERS	\$0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$283,528.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$135,796.00
5. RETAINAGE:	
a. 0.00 % of Completed Work (Column D + E on G703)	\$ 0.00
b. 0.00 % of Stored Material (Column F on G703)	\$ 0.00
Total Retainage (Lines 5a+5b or Total in Column I on G703)	\$0.00
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$135,796.00
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 From Prior CERTIFICATE)	\$117,330.00
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)	\$18,466.00
9. BALANCE TO FINISH INCLUDING RETAINAGE (Line 3 Less Line 6)	\$147,732.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

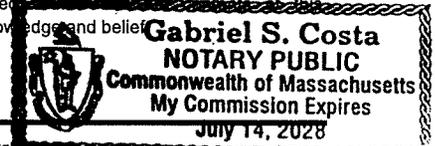
The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Consigli Construction Co., Inc.
By: [Signature] Date: 5/9/22

State of: MA County of: Worcester
On this the 9th day of May before me,

proved to me through satisfactory evidence of identity, which was/were
Personal Knowledge
to be the person(s) whose name(s) was/were signed on the preceding or attached document in my presence, and who swore or affirmed that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public: [Signature]
My Commission expires: July 14, 2028



ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED:\$ 18,466.00

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT: _____
By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

AIA DOCUMENT G703

Detail Page 2 of 2 Pages

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

Project:
2515-00 / Stoneham High School

Invoice: **7**
Draw: **2515-07**
Application date: **4/30/2022**
Period ending date: **4/30/2022**

In tabulations below, amounts are stated to the nearest dollar.
Use Column I on contracts where variable retainage for items may apply.

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
22-000	Stoneham High School								
22-005	Schematic Design Phase	25,000.00	25,000.00			25,000.00	100.00		
22-010	Post Schematic Design	258,528.00	92,330.00	18,466.00		110,796.00	42.86	147,732.00	
GRAND TOTALS		283,528.00	117,330.00	18,466.00		135,796.00	47.90	147,732.00	

Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee

**SCHOOL BUILDING COMMITTEE
STONEHAM HIGH SCHOOL**

All meetings held at the
Central Middle School Media Center and Remote Participation at 7:00 PM
unless otherwise noted

MEETINGS SCHEDULE AND AGENDAS
March 17, 2022 *Updated May 9, 2022*

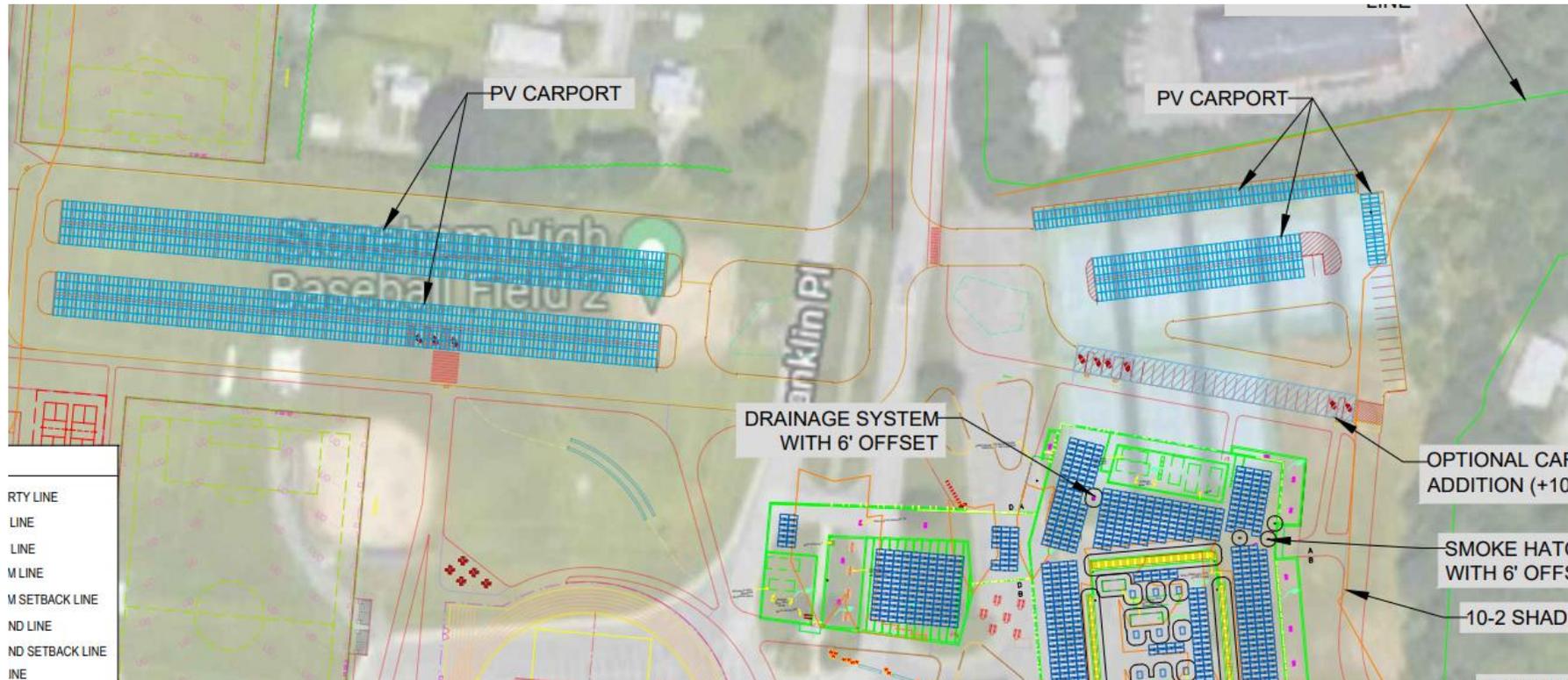
DATE	AGENDA
60% Construction Documents Phase	
April 11, 2022	SCHOOL BUILDING COMMITTEE MEETING Review Design Refinements Review Overall Construction Document Phase Schedule Review 60% Construction Document Schedule
April 19, 2022	SCHOOL BUILDING COMMITTEE MEETING Review Value Engineering Items
April 25, 2022	SCHOOL BUILDING COMMITTEE MEETING Review Design Refinements Review Construction Schedule Review Construction Logistics Plan Permitting Update Prepare for Neighborhood Meeting Approve Early Site Enabling Prequalified Trade Contractors
April 27, 2022	NEIGHBORHOOD MEETING - 6:30PM - REMOTE
May 16, 2022	SCHOOL BUILDING COMMITTEE MEETING State Delegation Discussion Review Design Refinements Review Additive Bidding Alternates Review Proprietary Specifications Review LEED Scorecard Permitting Update
May 23, 2022	CONSERVATION COMMISSION HEARING - REMOTE - 7:00 PM
May 24, 2022	STORMWATER BOARD HEARING - IN PERSON - 5:30 PM
May 26, 2022	ZONING BOARD OF APPEALS HEARING - REMOTE - 6:00 PM
June 6, 2022	SCHOOL BUILDING COMMITTEE MEETING Gibney Mural Discussion Review Design Refinements Review Construction Logistics Plan Permitting Update Award Early Site Package
June 13, 2022	SCHOOL BUILDING COMMITTEE MEETING Review Design Refinements Permitting Update Approve Concrete and Steel Prequalified Trade Contractors
June 27, 2022**	SCHOOL BUILDING COMMITTEE MEETING <i>**if no VE required</i>
July 11, 2022	AD HOC VE SUBCOMMITTEE MEETING - 4:00 PM
July 11, 2022	SCHOOL BUILDING COMMITTEE MEETING Decide Value Engineering Items Vote to Submit 60% Construction Documents Package to MSBA
July 14, 2022	SUBMIT 60% CONSTRUCTION DOCUMENTS PACKAGE TO MSBA
	ADDITIONAL MEETINGS TO BE SCHEDULED



Stoneham High School Carports

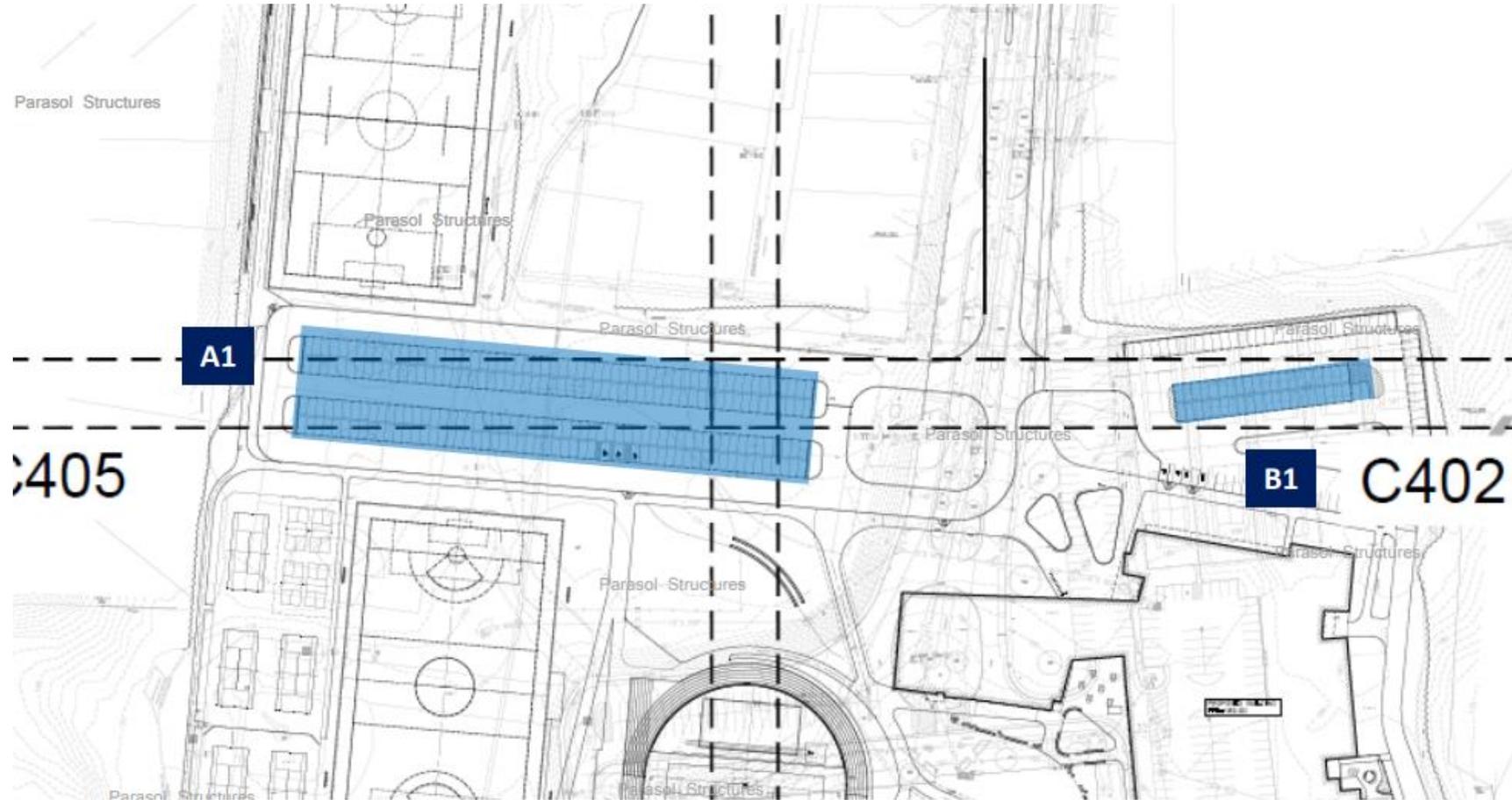
May 16th, 2022

Original Site Design- Carports



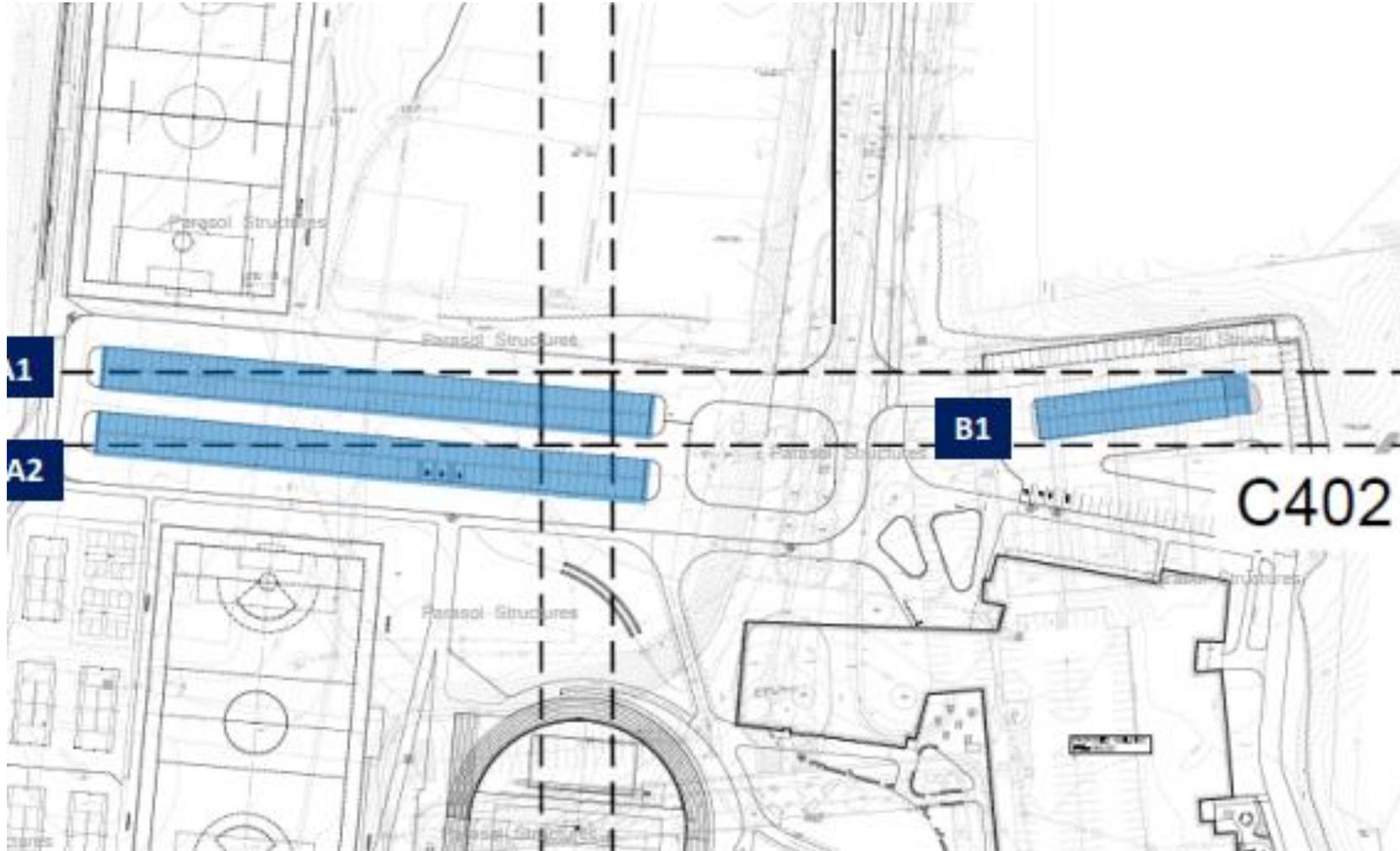
PV Capacity- 1,574 kWDC

Site Design Option 1- "Long-span" Carports



PV Capacity- 1,823 kWDC

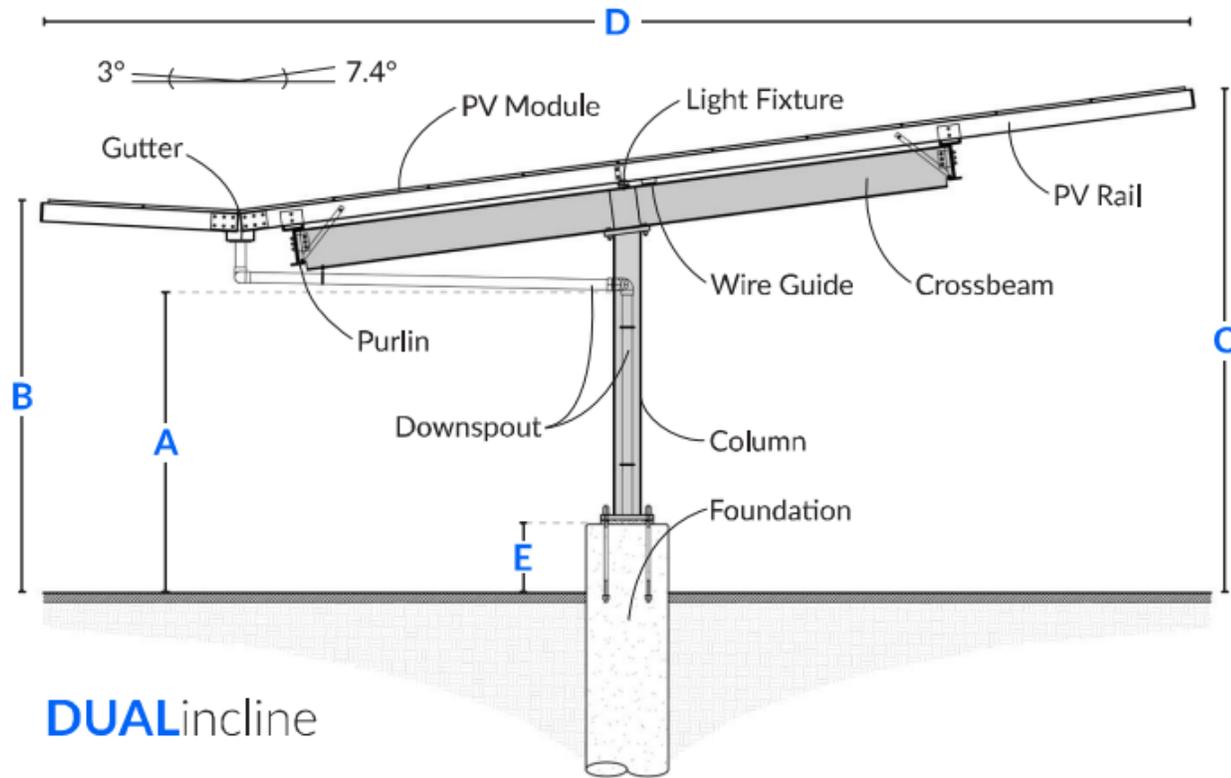
Site Design Option 2 – “Standard-span” Carports



PV Capacity- 1,586 kWDC

Carport – Dual Tilt Design

PARASOL
STRUCTURES



STANDARD CLEARANCES		
A	11'-0 MIN CLEARANCE	13'-6 MIN CLEARANCE
B	14'-4"	16'-10"
C	18'-5"	20'-11"
D	41'-10"	
E	2'-6"	

*MIN. PIER HEIGHT: 2'-6", MAX PIER HEIGHT: 4'-0"

Carport – Standard Span



Carport – Long Span



Carport – Long Span



Carport – Finishing Options



DARK GREY



LIGHT GREY



DARK BROWN



LIGHT BROWN

Carport – Finishing Options



WHITE



CUSTOM



GALVANIZED



Thank You.

Ariel Kondiles

Akondiles@nexamp.com



STONEHAM HIGH SCHOOL

Interior Sub-Committee Meeting

RECAP



04.26.22

AGENDA

Interior Design Overview

- Design Concept
- Review of Physical Materials
- Interior Views
- Digital View of Interior Materials

Appendix

- Interior Accent Plan Diagrams
- Interior Finish & Ceiling Plan Diagrams



Perkins&Will



View towards Spartan Plaza

Design Concept Recap

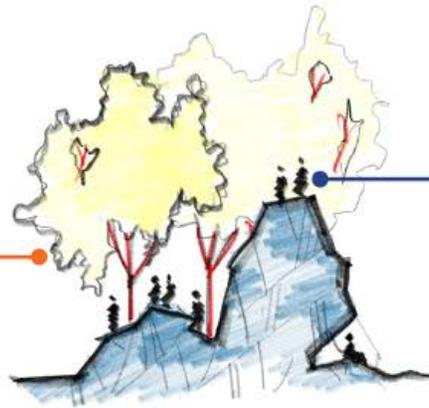
Interior Sub-Committee Meeting

Interior/Exterior Design Concept Recap

Stoneham Paths



Places to explore and
come together



Stoneham's Promontories



Places to seek
broader view and find
perspective



Perkins&Will

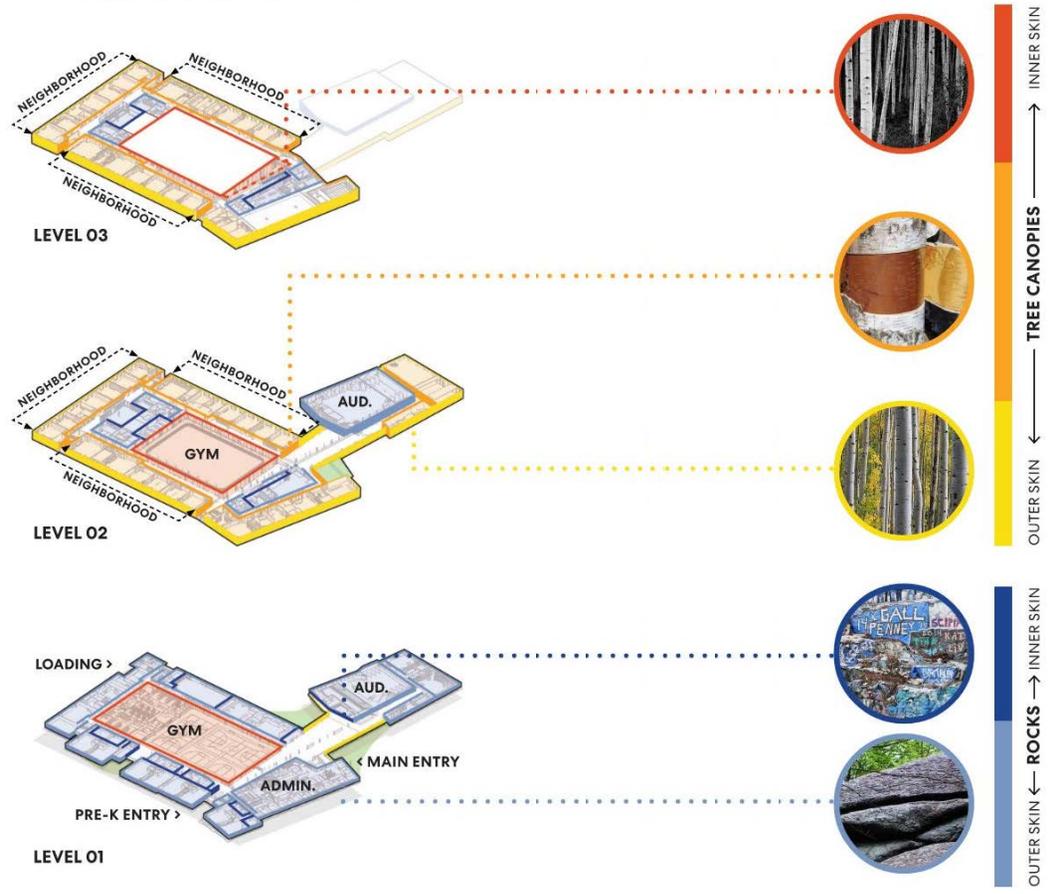
General Material Palette - Inspiration



Perkins&Will

Building Axon Diagram

PATHWAYS AND PROMOTORIES
AXONOMETRIC INTERIOR BUILDING DIAGRAM



Perkins&Will

Selection Criteria of Interior Materials



Function & Aesthetics

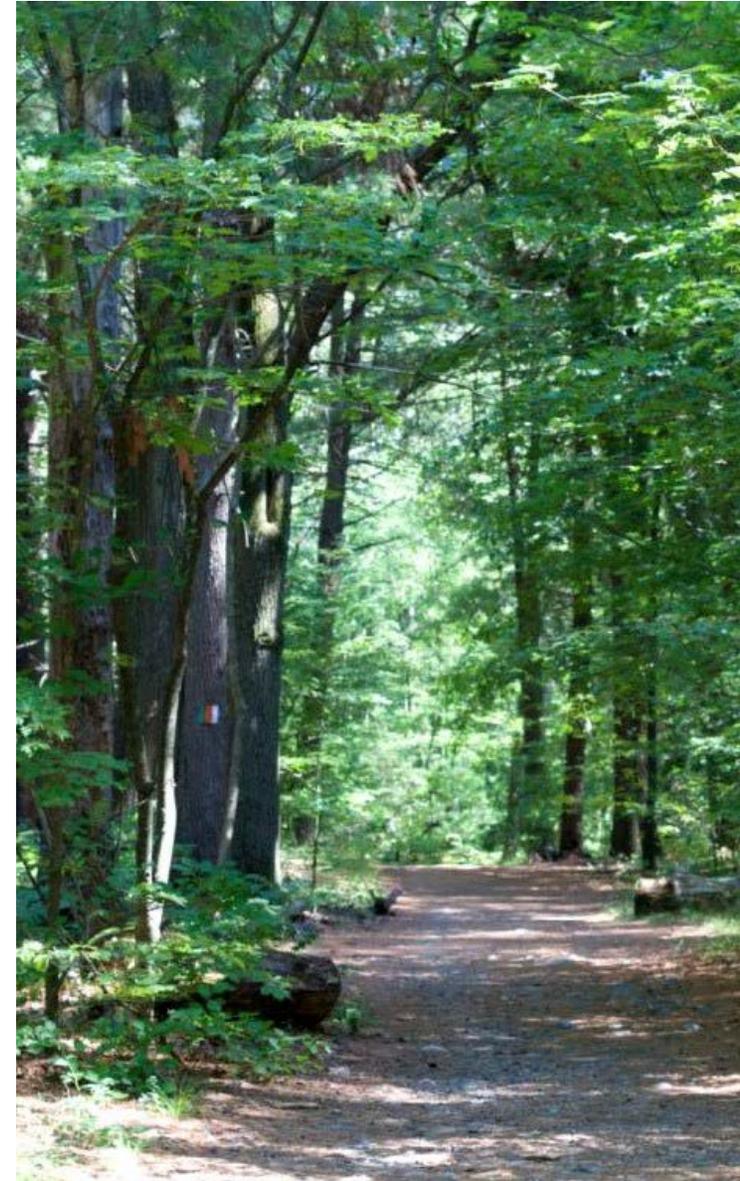
- Long-lasting & Durable
- Ease of Maintenance – no wax stripping
- Timeless Palette – Future Proofing
- Textures & Accents
- Wayfinding & Orientation

Sustainable & Healthy

- Indoor Air Quality - Zero to low VOC's
- Green Housekeeping
- Sustainably Harvested Finished Wood
- Clean Ingredients- PVC/ Phthalate & Red List Free
- Embodied Carbon Reduction - Neutral Goals
- Life Cycle Impact



Perkins&Will



Photos of Interior Materials displayed at Meeting

Interior Sub-Committee Meeting

Interior Materials



Spartan Place & Auditorium



Administration & Offices



Perkins&Will

Interior Materials



Media Hub



Pathways and Classroom



Perkins&Will

Interior Materials



Athletics



Servery and Toilet Rooms



Perkins&Will

Interior Materials



Pre-Kindergarten Pathway and Classroom



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Interior Views

Interior Sub-Committee Meeting

Interior Views

Level 1 Spartan Place

- Floor: Polished Concrete
- Walls: Windows, Porcelain Tile, Fabric Tack Panels & Paint
- Railing: Painted Perf Metal
- Ceiling: Large Format Acoustic Tile & Acoustic Wood Grille



Perkins&Will

Interior Views

Level 1 Gym looking West

- Wood Athletic Flooring
- Wall Pads at Lower Level
- Rubber Flooring at Upper Track
- Painted Walls & Acoustic Panel on Upper Walls
- Exposed Painted Metal Ceiling and Structure
- Windows to Pathways



Perkins&Will



Interior Views

Level 2 Media Bridge

- Floor: Linoleum & Accent Carpet
- Walls: Windows, Porcelain Tile & Paint
- Railing: Painted Perf Metal
- Ceiling: Acoustic Wood Grille

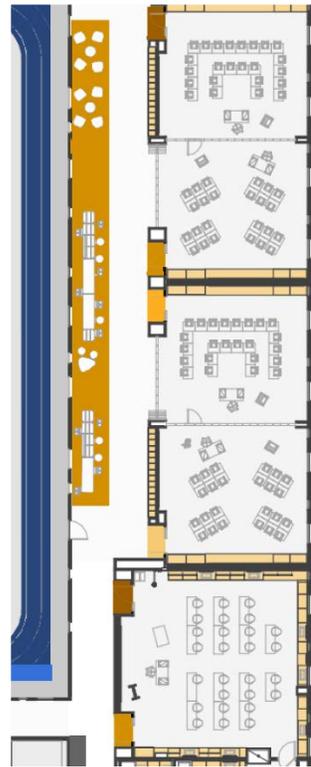


Perkins&Will

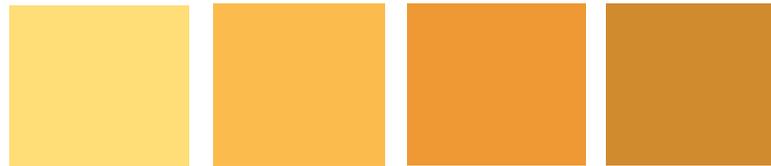
Interior Views

Level 2 & 3 Pathways & Collaboration Space

- Floors: Linoleum with Carpet at Seating Areas
- Walls: Glass Windows, Porcelain Tile & Paint
- Accents: Classroom Entries Highlighted Cascading Golden Hues
- Ceiling: Acoustic Tile & Painted Drywall



Pathway Plan



Classroom Portal Paint Accents



Perkins&Will

Interior Views

Level 2 Classrooms

- Floor: Linoleum
- Walls: Windows, Whiteboards, Tack Surface & Paint
- Casework: White Maple Cabinets with Butcherblock Countertops
- Ceiling: Acoustic Tile



Perkins&Will

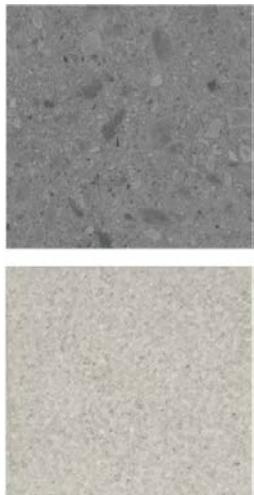
Digital Images of Interior Materials

Interior Sub-Committee Meeting

GENERAL WALL FINISHES



Main Corridors



Porcelain Wall Tile

- Low Maintenance
- Enduring
- Heavy Duty

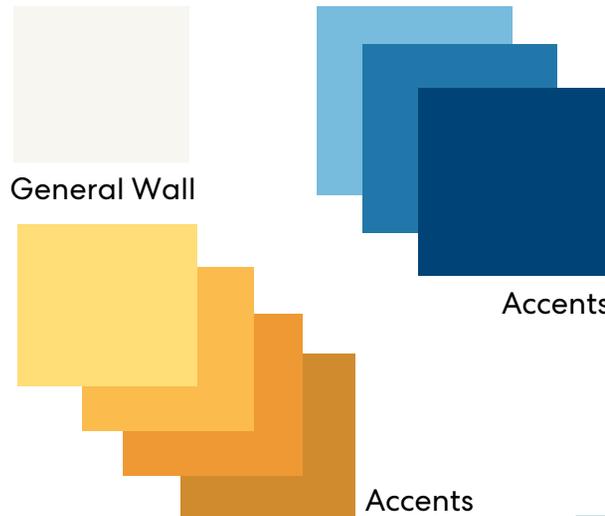
Wood Doors & Casework



White Maple With Clear Finish

- Low Maintenance
- Warm Aesthetic
- Timeless

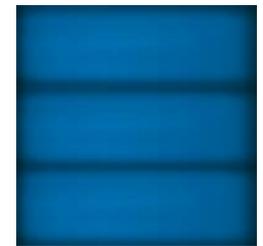
Wall & Ceiling Colors



Paint

- Durable
- Pops of Color
- Maintainable
- Cost Effective

Glazed Wall Tile



Servery Accent



Pre-K Accent Paint & Tile

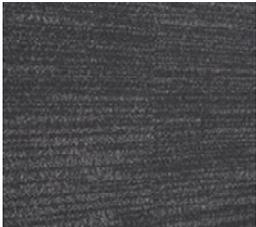


Perkins&Will

GENERAL FLOOR FINISHES



Entry Vestibule



Walk-off Mat

- Grill at Vestibule
- Mat Tile at Entrances
- Wicks Moisture, Traps Dirt
- Heavy Traffic

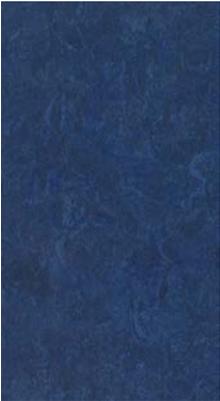
Spartan Place, Art & Science Classroom



Polished Concrete

- Timeless Look
- Heavy Duty
- Low Maintenance
- Stain Resistant
- Slip Resistant

General Academic Classroom & Corridor



Accent Color

Linoleum Sheet

- Durable
- Ease of Maintenance – no wax
- Stain Resistant
- Quiet under foot
- PVC-free
- Naturally antimicrobial



Perkins&Will

CARPET FLOOR FINISH



Auditorium



Broadloom Carpet

- Durable
- Solution Dyed Fibers
- Stain Resistant
- PVC-free Backing
- Broadloom used in areas with stairs

Promontory Breakout Media Hub



Accent Carpet Tile 9" x 36"

- Durable
- Solution Dyed Fibers
- Stain Resistant
- PVC-free Backing
- Recyclable

Corridor Pathways Breakout



Accent Carpet Tile 9" x 36"

- Durable
- Solution Dyed Fibers
- Stain Resistant
- PVC-free Backing
- Recyclable

Offices



Carpet Tile 18" x 36"

- Durable
- Solution Dyed Fibers
- Stain Resistant
- PVC-free Backing
- Recyclable

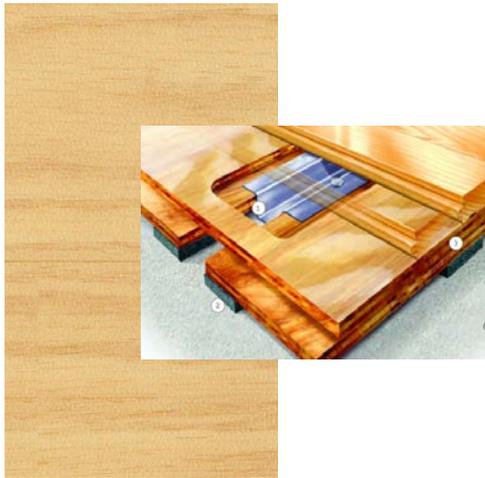


Perkins & Will

ATHLETIC AREAS- FLOOR FINISHES



Gym Floor



Wood Athletic Floor

- 2" Thick Wood Floor Layered System
- Solid Maple Wood Top Layer
- Connors Rezill System or Equal

Track Floor



Rubber Sport Floor

- 12mm Thick
- Designed for sports track
- PVC-free

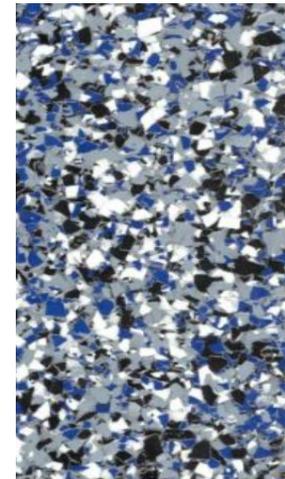
Locker Room



Rubber Tile Floor

- 3mm Thick
- Low Maintenance
- No-wax
- Soft Underfoot
- Helps with acoustics

Showers



Epoxy

- 1/8" Thick Poured Flooring
- Slip Resistant w/ Texture
- Stain Resistant
- Functional



Perkins&Will

OTHER FLOOR FINISHES



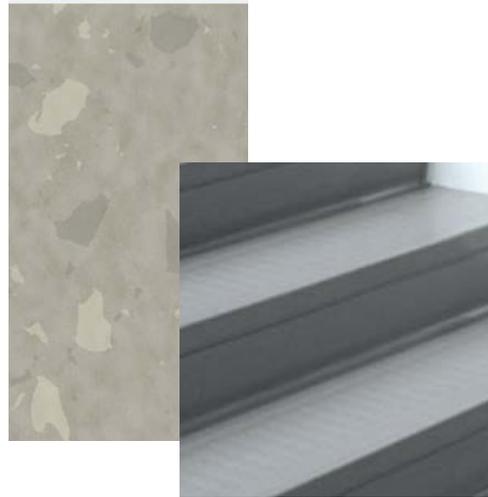
Back of House, Storage & Utility



Sealed Concrete

- Cost Effective
- Low Maintenance
- Functional

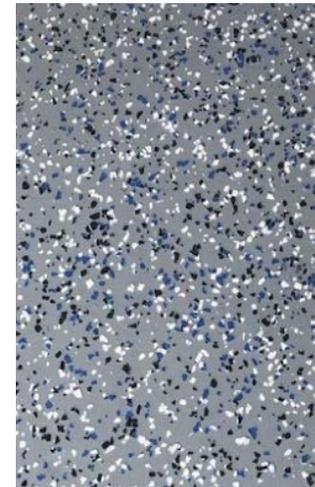
Stairwell, Landings & Runs



Rubber One-Piece Stair Tread

- Slip Resistant
- Stain Resistant
- Long-lasting
- Low Maintenance

Kitchen & Culinary



Epoxy

- 1/8" Thick Poured Flooring
- Slip Resistant w/ Texture
- Stain Resistant
- Functional

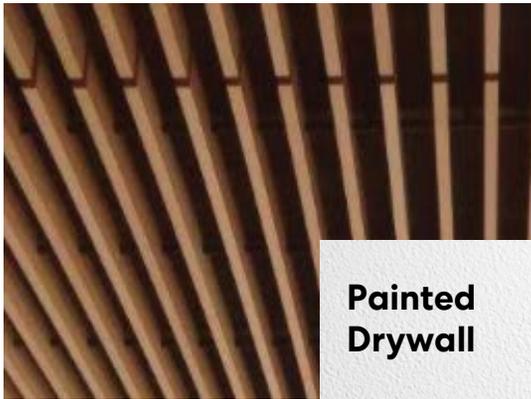


Perkins&Will

Interior Ceiling Finishes



Spartan Place & Media Bridge



**Painted
Drywall**

White Maple Wood Ceiling

- Feature Material
- Adds Warmth
- Acoustical



Perkins&Will

Classrooms, Offices & Corridors



Acoustic Ceiling Tile

- Accessible
- Functional
- Acoustical
- Economical

Gym, Locker Rooms, Maker Space & Back of House



Exposed Ceiling

- Accessible
- Economical
- Supports Aesthetic Design
- Allows Greatest Ceiling Heights

TOILET ROOM FINISHES



Epoxy Floor & Base



Epoxy Floor & Base

- 1/8" Thick Poured Flooring
- Slip Resistant w/ Texture
- Stain Resistant
- Functional

Walls



- **60" High**
- **4"x 16" Glossy Ceramic Tile**
- Long-lasting
- Low Maintenance

Toilet Partition



HDPE Material

- High Density Polyethylene
- Durable
- Low Maintenance
- Recycled Materials

Ceiling Tile



ACT with Hold-down Clips

- Cost Effective
- Low Maintenance
- Sound Absorptive



Perkins&Will



THANK YOU!

Appendix

Interior Accent, Finish & Ceiling Plan Diagrams

Interior Sub-Committee Meeting

LEVEL 01 - FLOOR PLAN DIAGRAM OF ACCENT AREAS



INTERIOR MATERIAL PLAN LEGEND:

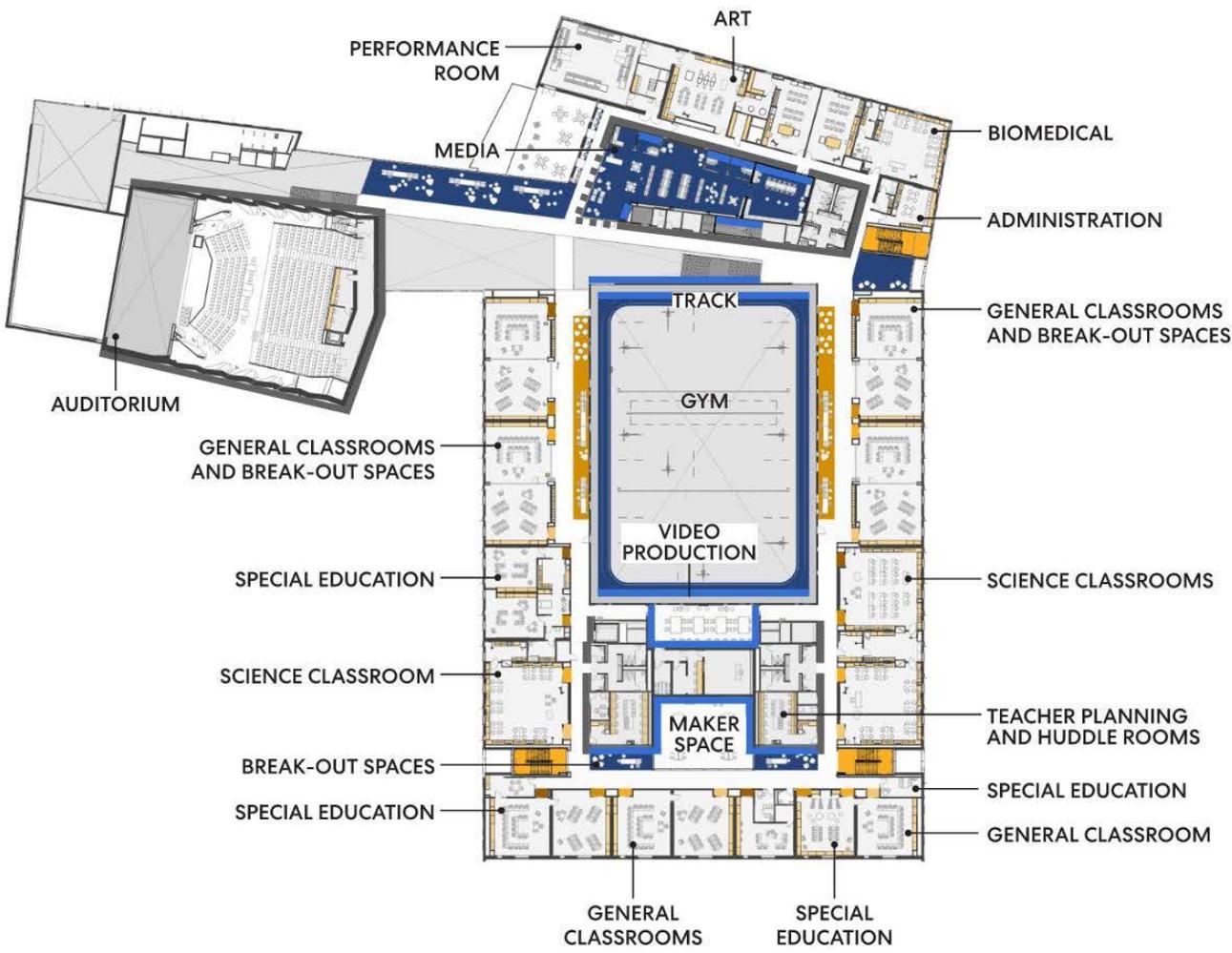
PROMONTORIES:

-  CHARCOAL GRAY WALL TILE SURFACE
-  SPARTAN BLUE PAINT ACCENT WALL
-  SPARTAN BLUE FLOORING

PATHWAYS AND CLASSROOMS:

-  PRE-K CLASSROOM ENTRIES - COLOR GRADATION
-  CLASSROOM CASEWORK WALL
-  STAIRWELL ACCENT COLORS

LEVEL 02 - FLOOR PLAN DIAGRAM OF ACCENT AREAS



INTERIOR MATERIAL PLAN LEGEND:

PROMONTORIES:

- CHARCOAL GRAY WALL TILE SURFACE
- SPARTAN BLUE PAINT ACCENT WALL
- SPARTAN BLUE FLOORING

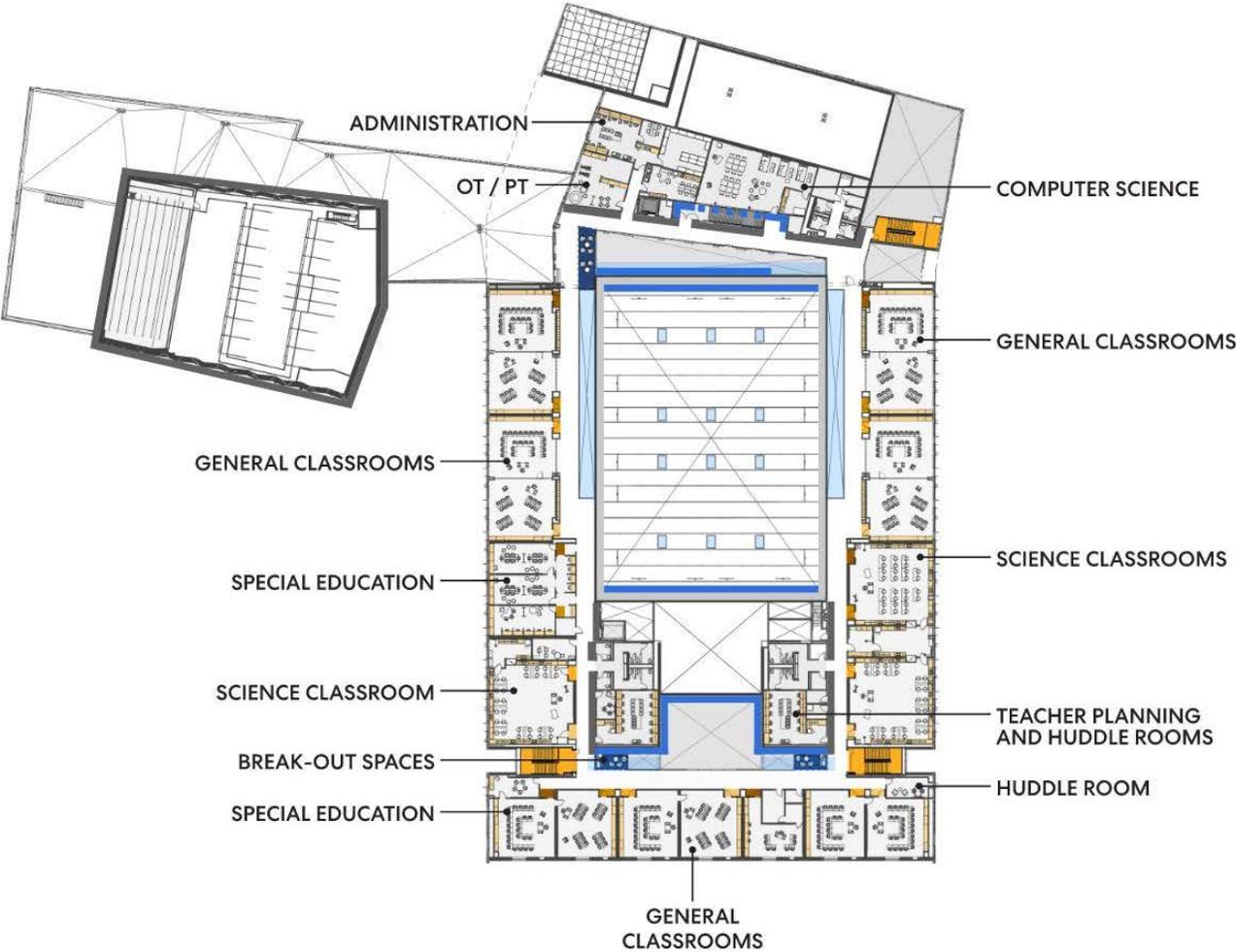
PATHWAYS AND CLASSROOMS:

- CLASSROOM ENTRIES - COLOR GRADATION
- CLASSROOM CASEWORK WALL
- EARTH-TONE FLOORING
- STAIRWELL ACCENT COLORS

GENERAL:

- SPACE OPEN TO BELOW

LEVEL 03 - FLOOR PLAN DIAGRAM OF ACCENT AREAS



INTERIOR MATERIAL PLAN LEGEND:

PROMONTORIES:

- CHARCOAL GRAY WALL TILE SURFACE
- SPARTAN BLUE PAINT ACCENT WALL
- SPARTAN BLUE FLOORING

PATHWAYS AND CLASSROOMS:

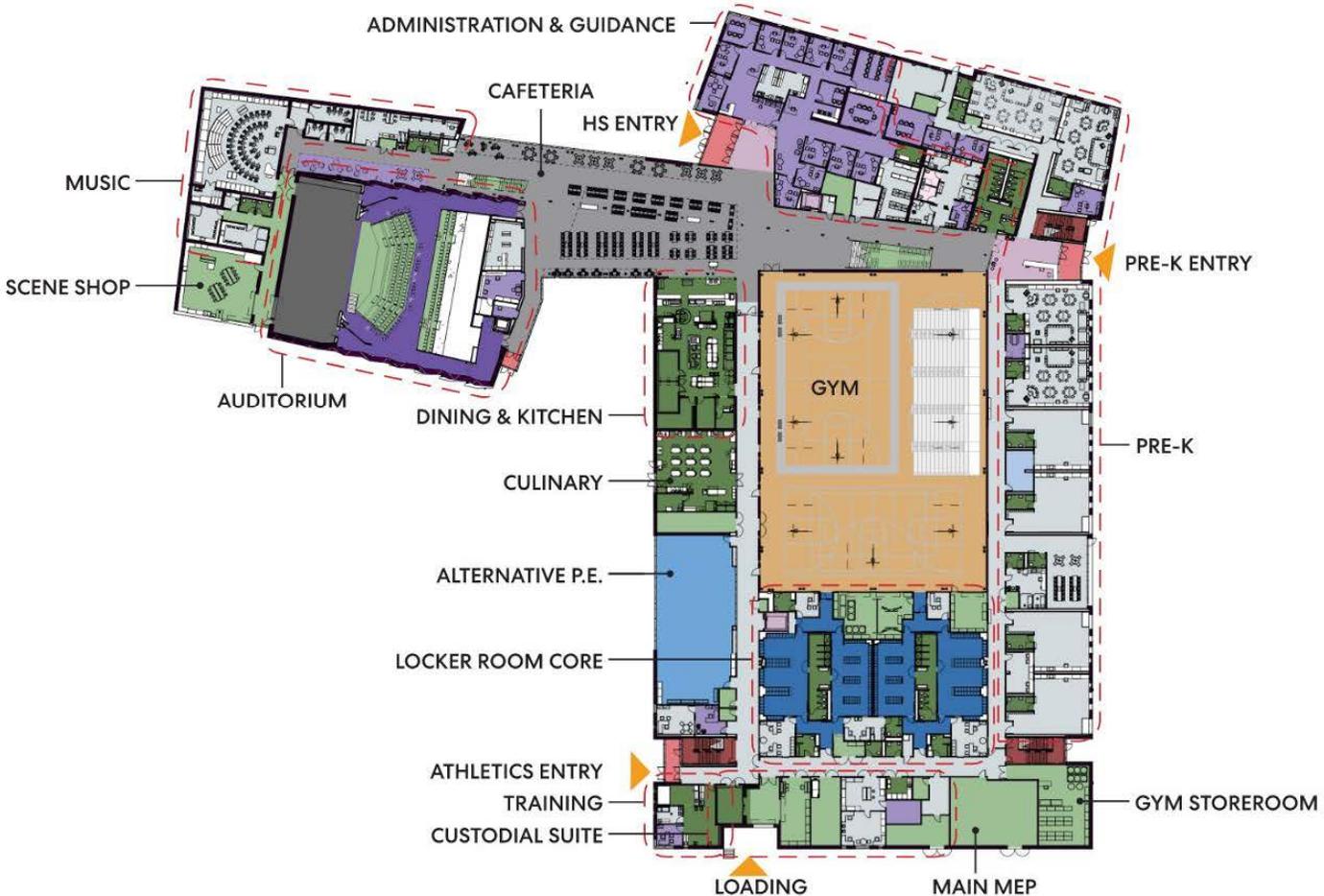
- CLASSROOM ENTRIES - COLOR GRADATION
- CLASSROOM CASEWORK WALL
- EARTH-TONE FLOORING
- STAIRWELL ACCENT COLORS

GENERAL:

- SPACE OPEN TO BELOW
- SKYLIGHT

LEVEL 01 - FLOOR FINISH DIAGRAM

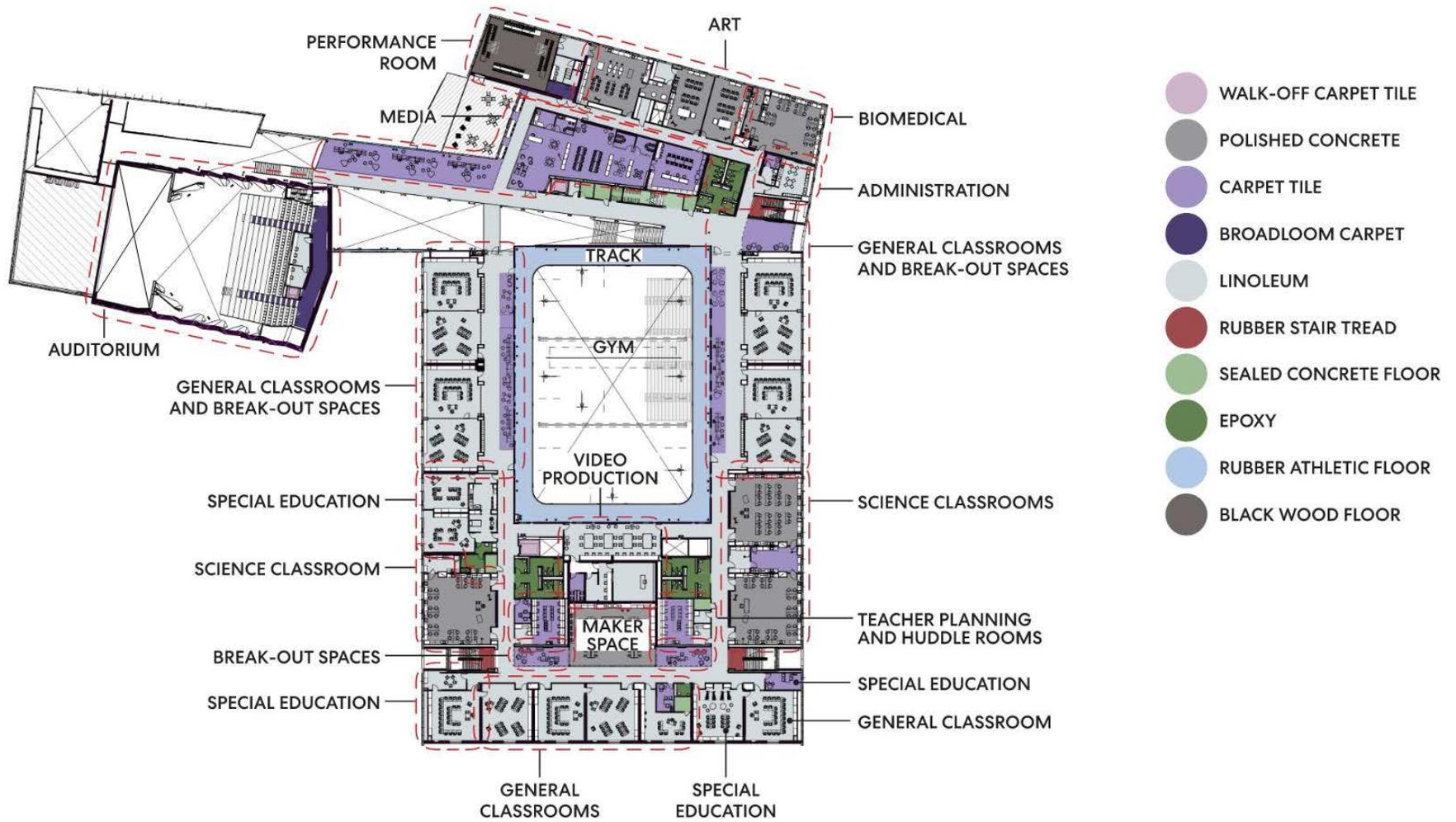
LEGEND NOT REPRESENTATIVE OF COLOR. DIAGRAM DEPICTING MATERIAL TYPE ONLY.



- WALK-OFF GRILLE
- WALK-OFF CARPET TILE
- POLISHED CONCRETE
- CARPET TILE
- BROADLOOM CARPET
- LINOLEUM
- RUBBER STAIR TREAD
- SEALED CONCRETE FLOOR
- EPOXY
- WOOD ATHLETIC FLOOR
- RUBBER ATHLETIC FLOOR
- RUBBER ATHLETIC FLOOR (BY FITNESS EQUIPMENT VENDOR)
- RUBBER TILE (FOR LOCKER ROOMS)
- BLACK WOOD FLOOR

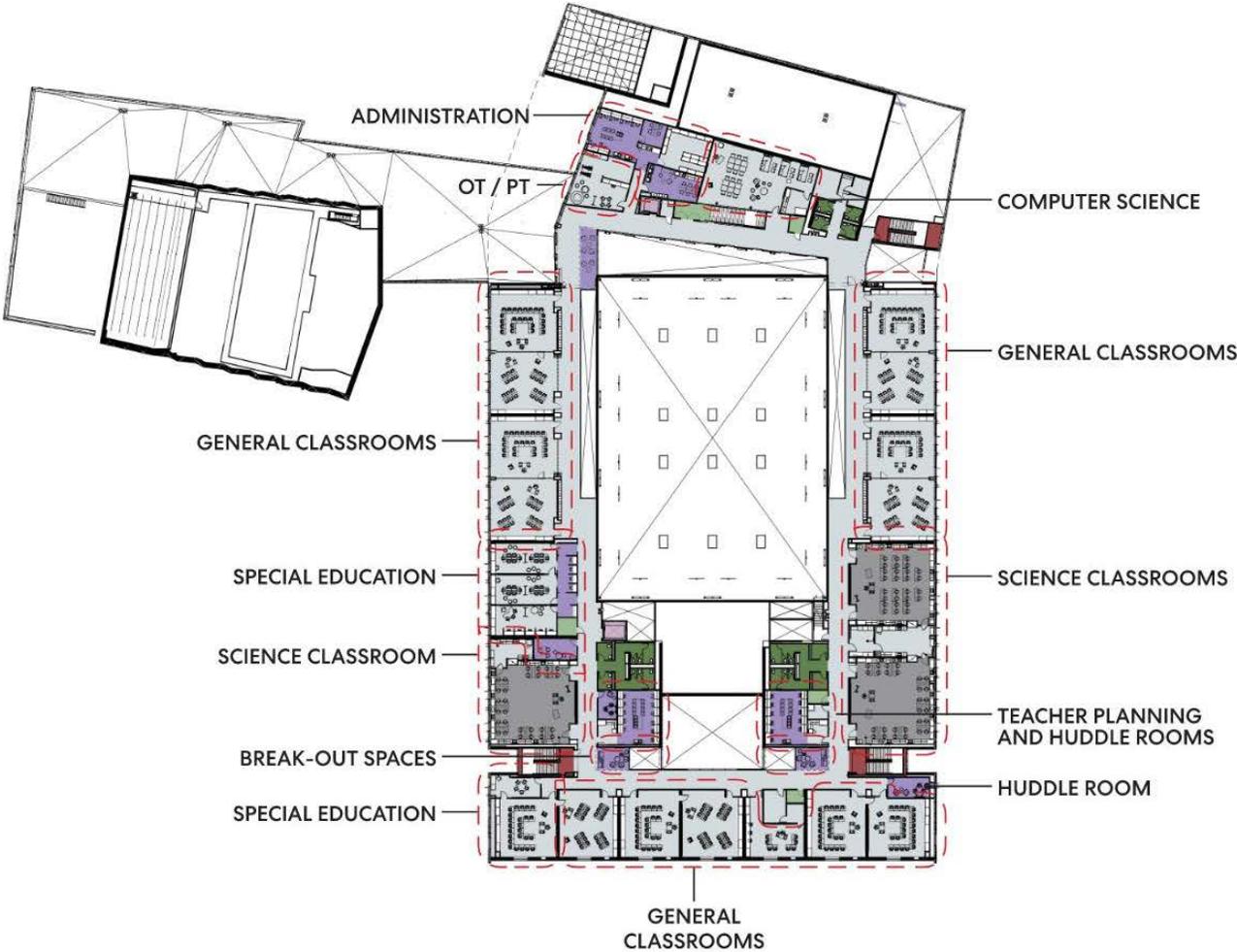
LEVEL 02 - FLOOR FINISH DIAGRAM

LEGEND NOT REPRESENTATIVE OF COLOR. DIAGRAM DEPICTING MATERIAL TYPE ONLY.



LEVEL 03 - FLOOR FINISH DIAGRAM

LEGEND NOT REPRESENTATIVE OF COLOR. DIAGRAM DEPICTING MATERIAL TYPE ONLY.



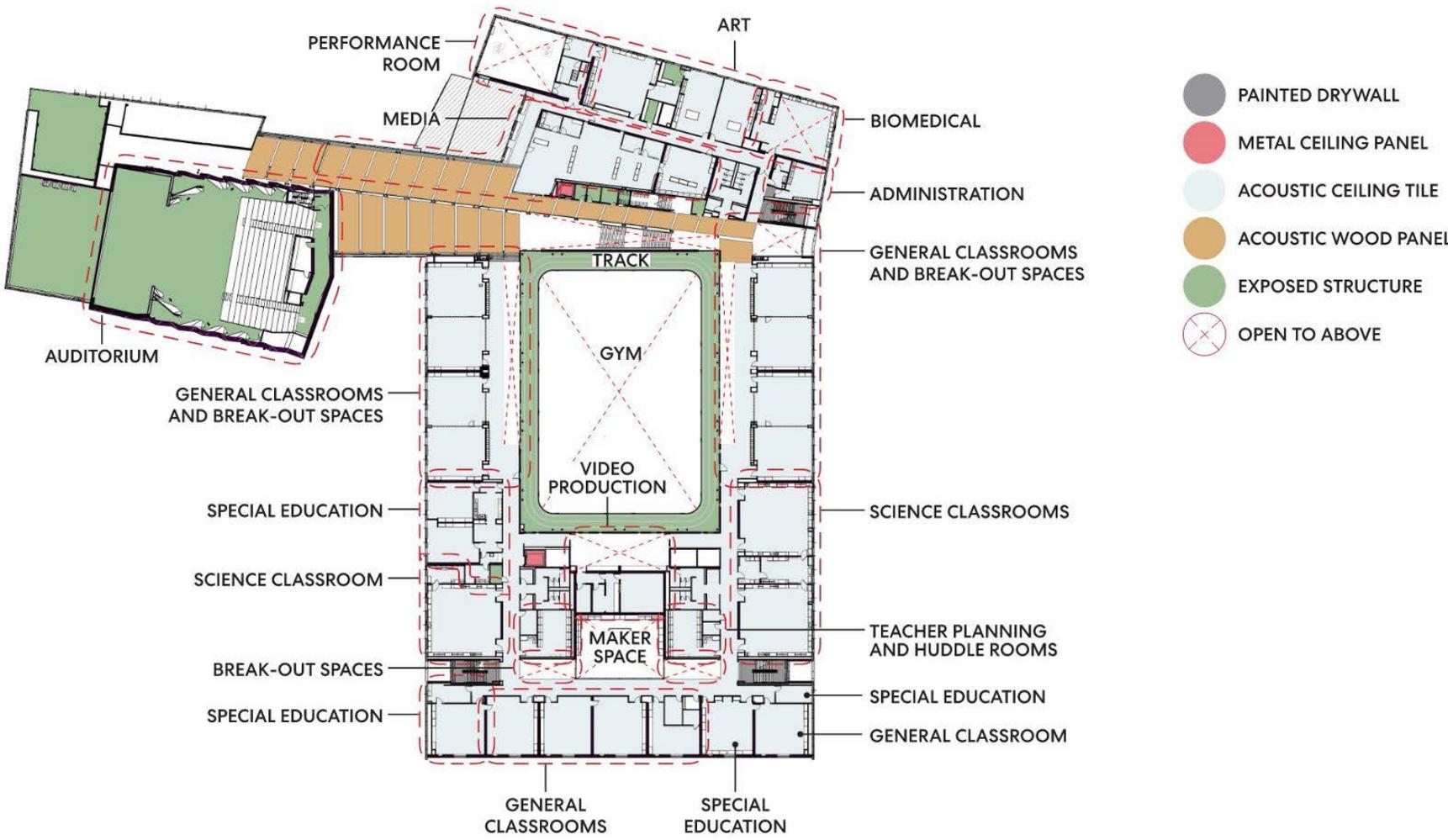
LEVEL 01 - CEILING FINISH DIAGRAM

LEGEND NOT REPRESENTATIVE OF COLOR. DIAGRAM DEPICTING MATERIAL TYPE ONLY.



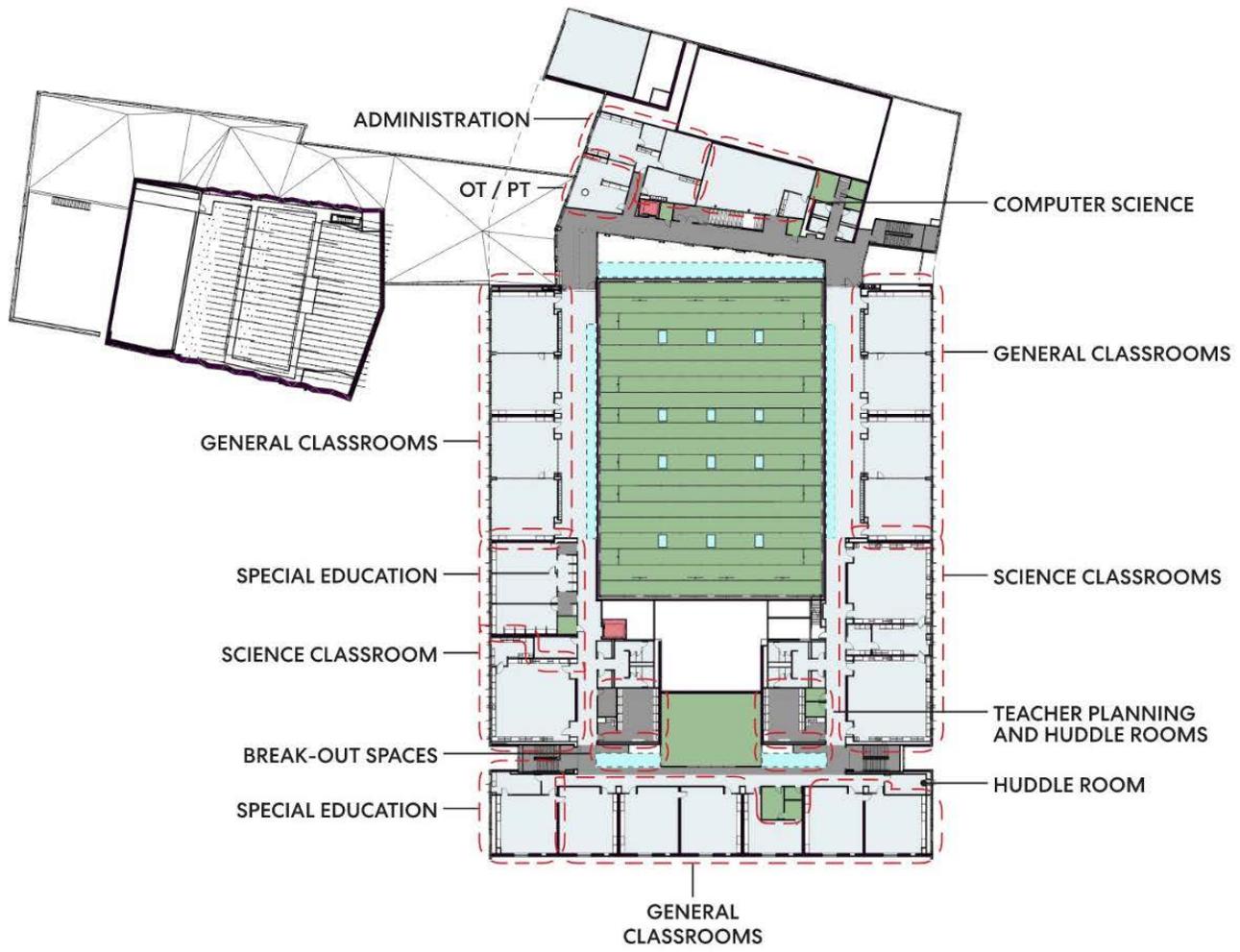
LEVEL 02 - CEILING FINISH DIAGRAM

LEGEND NOT REPRESENTATIVE OF COLOR. DIAGRAM DEPICTING MATERIAL TYPE ONLY.



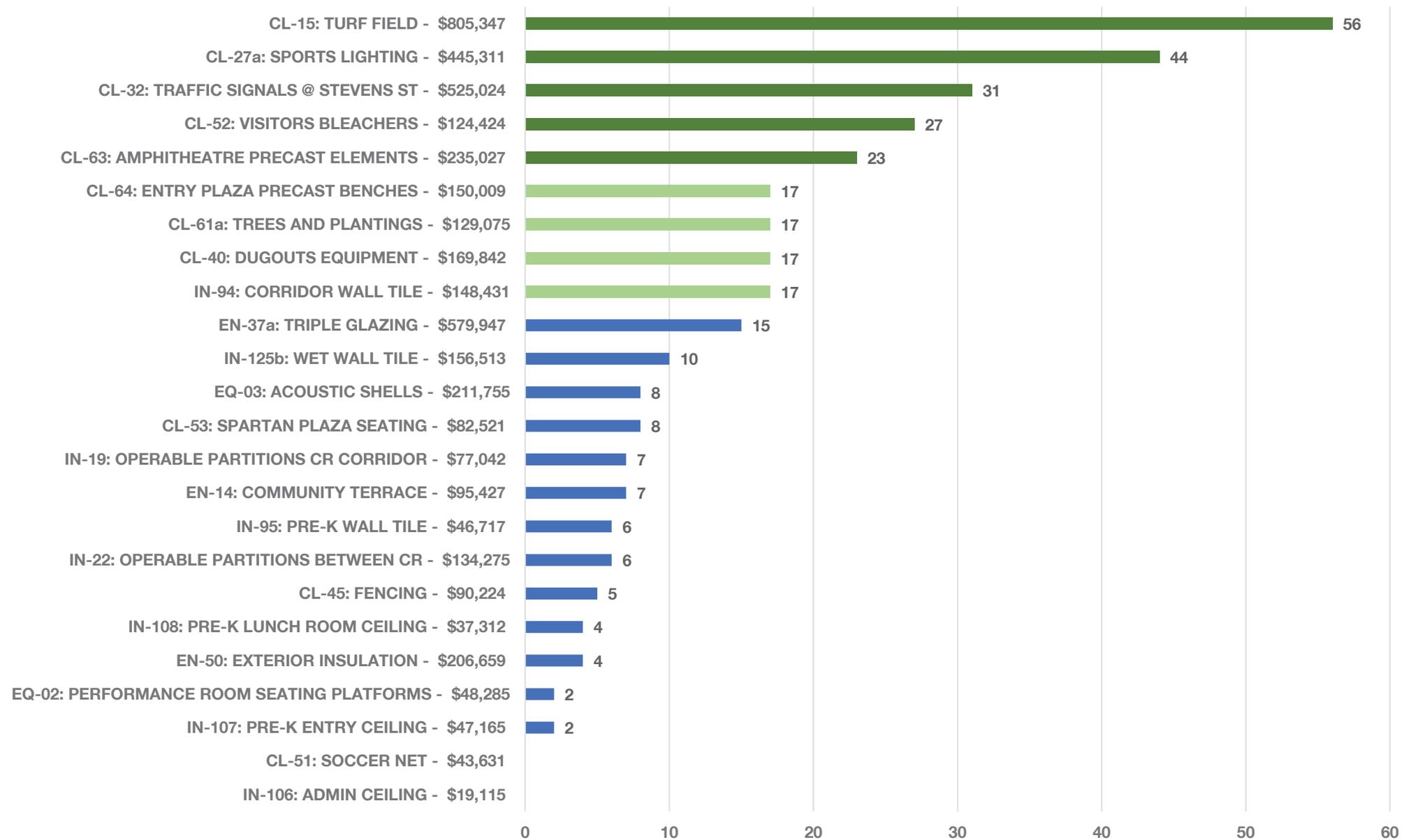
LEVEL 03 - CEILING FINISH DIAGRAM

LEGEND NOT REPRESENTATIVE OF COLOR. DIAGRAM DEPICTING MATERIAL TYPE ONLY.



- PAINTED DRYWALL
- METAL CEILING PANEL
- ACOUSTIC CEILING TILE
- EXPOSED STRUCTURE
- SKYLIGHT

New Stoneham High School Potential Additive Bid Alternates Survey



Stoneham High School - Design Development

Value Management Log

As of: 3/31/2022

RECOMMENDED: \$152,701,515

Budget: 153,418,660

Delta: (\$717,145)



NO.	DATE	DESCRIPTION	SOURCE	DOCS	DOCS DATED	VM AMOUNT	STATUS	AD-HOC MEETING DATE	RECOMMEND AMOUNT	PENDING AMOUNT	REJECTED AMOUNT
RECOMMEND											
ENVELOPE											
FEE COMMENTS											
fee	EN-14	06/08/21	EXTERIOR CLOSURE - Eliminate Community Terrace (Lev 2); Replace w/ typ roof construction; Enclose a portion of the Community Terrace to create an interior egress route	P&W	SD	5/24/21	(\$95,427)	RECOMMEND	3/24/22	(\$95,427)	
	EN-34	01/19/22	EXTERIOR PANELS - Replace Porcelanosa panel with masonry **NOTE: Major redesign	SMMA	SD	5/24/21	(\$1,774,715)	RECOMMEND	3/24/22	(\$1,774,715)	
fee	EN-37a	01/19/22	GLAZING - Replace triple glazing with double glazing -- 100% double glazing **NOTE: 0.7 EUI increase	SMMA	SD	5/24/21	(\$579,941)	RECOMMEND	3/24/22	(\$579,941)	
	EN-38/39	03/17/22	SKYLIGHT - Target \$125K savings in Skylight reduction East/West/North/South of Gymnasium **NOTE: IMPACT TO DAYLIGHTING	SMMA 53	DD	2/28/22	(\$125,000)	RECOMMEND	3/24/22	(\$125,000)	
	EN-42	03/17/22	AUDITORIUM WALLS - Eliminate masonry joggng at North and South walls of Auditorium, run walls straight	SMMA 57	DD	2/28/22	(\$40,780)	RECOMMEND	3/28/22	(\$40,780)	
	EN-43	03/17/22	WINDOWS - Change all punched windows from Curtainwall to Standard Punched Window Construction	SMMA 58	DD	2/28/22	(\$107,716)	RECOMMEND	3/24/22	(\$107,716)	
	EN-48a	03/22/22	SUNSHADES - Eliminate vertical classroom fins (SS1A, SS1B, SS2A, SS2b)	P&W	DD	2/28/22	(\$322,578)	RECOMMEND	3/24/22	(\$322,578)	
	EN-48b	03/22/22	SUNSHADES - Eliminate horizontal sunshades (SS4)	P&W	DD	2/28/22	(\$32,723)	RECOMMEND	3/24/22	(\$32,723)	
fee	EN-50	03/22/22	EXTERIOR INSULATION - Reduce the insulation between studs from 4" Single Component Foam Insulation to 1" (3" reduction) and achieve an overall R-26.6 for the exterior wall. **NOTE: 0.1 EUI increase	P&W	DD	2/28/22	(\$206,659)	RECOMMEND	3/28/22	(\$206,659)	
INTERIORS											
fee	IN-19	06/08/21	INTERIOR CONSTRUCTION - Operable Partitions - Corridors; Eliminate 50%; replace with GWB and wall tile on corridor side Sft high	P&W	SD	5/24/21	(\$77,042)	RECOMMEND	3/28/22	(\$77,042)	
fee	IN-22	06/08/21	INTERIOR CONSTRUCTION - Operable Partitions - Classrooms; Reduce operable partitions between classrooms by 4 ea	P&W	SD	5/24/21	(\$134,275)	RECOMMEND	3/28/22	(\$134,275)	
	IN-60/61a	03/22/22	SCIENCE EQUIPMENT - Change all fume hoods to recirculating type NOTE: Bala-Would eliminate lab type roof exhaust fans (one per fume hood) and stainless steel ductwork. Rooms with fume hood would still be exhausted at a high air change rate but energy from air could be recovered at Air Handling Units. Item would slightly increase Building EUI.	P&W	DD	2/28/22	(\$132,252)	RECOMMEND	3/24/22	(\$132,252)	
	IN-89a	03/17/22	FLOORING - Change Porcelain Ceramic Floor Tile to Polished Concrete in Spartan Place	SMMA 1	DD	2/28/22	(\$286,390)	RECOMMEND	3/24/22	(\$286,390)	
fee	IN-94	03/17/22	WALL TILE - Reduce Porcelain Wall Tile in Corridors by 25%	SMMA 36	DD	2/28/22	(\$148,431)	RECOMMEND	3/28/22	(\$148,431)	
fee	IN-95	03/17/22	WALL TILE - Reduce Porcelain Wall Tile in Pre-K Corridors by 50%	SMMA 35	DD	2/28/22	(\$46,717)	RECOMMEND	3/28/22	(\$46,717)	
	IN-106	03/17/22	ADMIN CEILING - Change Gypsum Board ceilings in Administration Suite to standard ACT-1 ceiling	SMMA 25	DD	2/28/22	(\$19,115)	RECOMMEND	3/24/22	(\$19,115)	
	IN-107	03/17/22	PRE-K ENTRY CEILING - Change Wood Ceiling in Pre-K Entry to standard ACT-1 ceiling	SMMA 26	DD	2/28/22	(\$47,165)	RECOMMEND	3/24/22	(\$47,165)	
	IN-108	03/17/22	PRE-K LUNCH ROOM CEILING - Change Wood Ceiling in Pre-K Lunch Room to standard ACT-1 ceiling	SMMA 27	DD	2/28/22	(\$37,312)	RECOMMEND	3/24/22	(\$37,312)	
fee	IN-125b	03/28/22	WET WALL TILE - Reduce tile at wet walls from varying heights to 5'-0"	P&W	DD	2/28/22	(\$156,513)	RECOMMEND	3/28/22	(\$156,513)	
	IN-130a	03/24/22	FIREPROOFING - Remove intumescent fire proofing from EXP-2 from auditorium, replace with spray fireproofing.	P&W	DD	2/28/22	(\$64,156)	RECOMMEND	3/28/22	(\$64,156)	
SERVICES											
	D-08	06/08/21	ELECTRICAL - Reduce hardware tel/data drop quantities by 20%	CCC	SD	5/24/21	(\$116,349)	RECOMMEND	3/24/22	(\$116,349)	
	D-42	03/17/22	RAINLEADERS - Reduce storm drainage; target \$200k direct cost	CCC	DD	2/28/22	(\$232,698)	RECOMMEND	3/28/22	(\$232,698)	
	D-46	03/18/22	HEAT RECOVERY UNITS - Reduction in ATC control points on the heat recovery condensing units	CCC	DD	2/28/22	(\$158,652)	RECOMMEND	3/28/22	(\$158,652)	
	D-47	03/18/22	DIFFUSERS - Reduce linear slot diffuser quantity by 50%; replace with standard registers, grilles & diffusers.	CCC	DD	2/28/22	(\$46,580)	RECOMMEND	3/24/22	(\$46,580)	
	D-52	03/18/22	ELECTRICAL PV DISTRIBUTION - Eliminate ductbanks to future PV locations at site; assume by PV vendor	CCC	DD	2/28/22	(\$186,158)	RECOMMEND	3/24/22	(\$186,158)	
	D-55	03/18/22	SITE LIGHTING - Reduce quantity of site lighting fixtures by 1/3 (31 ea)	CCC	DD	2/28/22	(\$141,058)	RECOMMEND	3/28/22	(\$141,058)	
	D-56a	03/22/22	PERFORMANCE ROOM HEAT RECOVERY UNIT - Eliminate HRU-11 and replace with (2) 4-ton ducted refrigerant fan coil units and associated air cooled condensing units	P&W	DD	2/28/22	(\$109,919)	RECOMMEND	3/28/22	(\$109,919)	
	D-60	03/22/22	CABINET UNIT HEATERS IN STAIRS - Eliminate CUH in stairs B, C & D on levels 2 & 3 and add sensor at upper level	P&W	DD	2/28/22	(\$27,047)	RECOMMEND	3/24/22	(\$27,047)	
	D-63	03/22/22	LIGHTING CONTROLS - Target reduction of lighting control package; \$250k direct cost	P&W	DD	2/28/22	(\$290,872)	RECOMMEND	3/28/22	(\$290,872)	
	D-64	03/28/22	LIGHTING - Target reduction of lighting package; target \$2/sf reduction (from 12.5/sf to 10.5/sf)	P&W	DD	2/28/22	(\$481,864)	RECOMMEND	3/28/22	(\$481,864)	
CIVIL/LANDSCAPING											
yes	CL-15	05/17/21	TURF FIELD - Change North Synthetic Turf Field to Seeded Grass Field only with irrigation; eliminate associated fencing around field	CCC	SD	5/24/21	(\$805,347)	RECOMMEND	3/24/22	(\$805,347)	
yes	CL-27a	06/08/21	SPORTS LIGHTING - Delete sports lighting at North Field	P&W	SD	5/24/21	(\$445,311)	RECOMMEND	3/24/22	(\$445,311)	
	CL-31	06/08/21	TRAFFIC SIGNALS - Existing traffic Signal & intersection work at High School Entrance to remain as-is	P&W	SD	5/24/21	(\$292,062)	RECOMMEND	3/24/22	(\$292,062)	
yes	CL-32	06/08/21	TRAFFIC SIGNALS - Traffic Signal & intersection work at Stevens Street by Town	P&W	SD	5/24/21	(\$525,024)	RECOMMEND	3/24/22	(\$525,024)	
yes	CL-40	06/09/21	EQUIPMENT - Eliminate prefabricated dugouts at baseball and softball; add fencing with roof	P&W	SD	5/24/21	(\$169,842)	RECOMMEND	3/28/22	(\$169,842)	
	CL-45	01/19/22	FENCING - Reduce height of 6 feet fencing to 4 feet (Tennis fencing to remain 10')	SMMA	SD	5/24/21	(\$90,224)	RECOMMEND	3/24/22	(\$90,224)	
	CL-51	01/19/22	EQUIPMENT - Eliminate soccer nets, utilize existing	SMMA	SD	5/24/21	(\$43,631)	RECOMMEND	3/24/22	(\$43,631)	
	CL-52	01/19/22	BLEACHERS - Eliminate visitors bleachers from Spartan Stadium	SMMA	SD	5/24/21	(\$124,424)	RECOMMEND	3/24/22	(\$124,424)	
	CL-53	01/19/22	SEATING - Eliminate cafe seating area at Spartan Plaza (furniture only)	SMMA	SD	5/24/21	(\$82,521)	RECOMMEND	3/24/22	(\$82,521)	
maybe.	CL-61a	03/17/22	TREES AND PLANTINGS - Reduce trees and plants scope by 50%	SMMA 71	DD	2/28/22	(\$129,075)	RECOMMEND	3/24/22	(\$129,075)	
	CL-63	03/17/22	PRECAST ELEMENTS - Eliminate Precast benches and sidewalk at Amphitheater and grade uniformly	SMMA 73	DD	2/28/22	(\$235,027)	RECOMMEND	3/28/22	(\$235,027)	
	CL-64	03/17/22	PRECAST BENCHES - Eliminate Precast Benches at Front Entry Plaza	SMMA 74	DD	2/28/22	(\$150,009)	RECOMMEND	3/28/22	(\$150,009)	
	CL-77	03/24/22	ENTRY ROAD - Utilize existing entry drive, island and traffic signals/configurations	P&W	DD	2/28/22	(\$457,791)	RECOMMEND	3/28/22	(\$457,791)	
	CL-78	03/28/22	GEOTHERMAL - Reduce Geothermal Wells from 60 to a total of 48; Note: design refinement based on test well program	P&W	DD	2/28/22	(\$611,530)	RECOMMEND	3/28/22	(\$611,530)	
EQUIPMENT											
	EQ-02	03/22/22	PERFORMANCE ROOM SEATING PLATFORMS - Reduce Black Box seating platforms by 1/2	P&W	DD	2/28/22	(\$48,285)	RECOMMEND	3/24/22	(\$48,285)	
	EQ-03	03/22/22	ACOUSTIC SHELLS - Eliminate acoustic shells at Auditorium Stage	P&W	DD	2/28/22	(\$211,755)	RECOMMEND	3/24/22	(\$211,755)	
MULTI-DISCIPLINARY											
	MD-21	03/17/22	SITE CONDUIT - Eliminate underground conduit from transformer to Electric Car Charging stations, to be by Eversource	SMMA 65	DD	2/28/22	(\$82,130)	RECOMMEND	3/28/22	(\$82,130)	

Stoneham High School - Design Development

Value Management Log

As of: 3/31/2022

RECOMMENDED: \$152,701,515

Budget: 153,418,660

Delta: (\$717,145)



CONSIGLI

NO.	DATE	DESCRIPTION	SOURCE	DOCS	DOCS DATED	VM AMOUNT	STATUS	AD-HOC MEETING DATE	RECOMMEND AMOUNT	PENDING AMOUNT	REJECTED AMOUNT
MD-24b	03/28/22	PROGRAMMING - Eliminate district offices from HS; re-configure Pre-K program to eliminate approximately 5,100sf	CCC	DD	2/28/22	(\$2,000,000)	RECOMMEND	3/28/22	(\$2,000,000)		
VALUE MANAGEMENT SUBTOTALS									(\$12,730,090)	(\$5,806,657)	(\$2,165,292)
		Reconciled Design Development Estimate Starting Value:				\$165,431,605					
TOTAL CONSTRUCTION COST W/ AD-HOC RECOMMENDED ITEMS									\$152,701,515		

Proprietary Items

Number	Description	Item	Location/Program	Spec Section	Manufacturer	Reason	
1	Auditorium Orchestra Pit Vertical Platform Lift	Virtuoso Lift	Orchestra Pit	14 42 00	Ascension	A lift is required for egress and accessibility reasons by code in the Orchestra Pit. The Ascension Virtuoso vertical platform lift is the only mastless lift on the market. Mastless means that it does not have any bulky segments that will stick up above the stage elevation and block views of the stage.	
2	Networking Hardware	Network Electronics	Network Hardware	27 20 00	Aruba	Stoneham Public Schools has standardized on Aruba Networking Hardware. Network hardware standardization across facilities provides a unified and streamlined approach to network management. In other words, the entire network can be configured, managed and monitored through one interface, known in I.T. as a "single pane of glass". Standardization provides for simplification of maintenance and warranty issues, improved scalability and redundancy, no constraints on network topology, and lower total cost of Ownership. Therefore, in order to fully and seamlessly integrate the network switches for the new Stoneham High School project with the district network and platform, the network switches will be specified proprietary as Aruba.	
3	a	Theatrical Lighting Fixtures	Source Four Lustr II LED spotlights	Theatrical Lighting	11 61 91	Electronic Theatre Controls	<p>1. These products are highly specialized multi-color LED fixtures with integrated control electronics. They are much more expensive than traditional incandescent lighting fixtures and cheaper "club" lighting fixtures. But they provide superior performance (for example, higher efficiency, higher reliability, and more realistic rendering of skin tones) and they have a lower life cycle cost. Because they are highly specialized, and because the development of LED fixtures for theater lighting is at an early stage, these products have no "or equals" on the market. The features and over overall quality of these products have made them industry standards, in wide use from elementary schools to Broadway theaters.</p> <p>2. These products are available through multiple local vendors so pricing will be competitive.</p>
	b	Theatrical Lighting Fixtures	ColorForce II LED spotlights	Theatrical Lighting	11 61 91	Electronic Theatre Controls	
	c	Theatrical Lighting Fixtures	ColorForce II LED wash light fixtures	Theatrical Lighting	11 61 91	Electronic Theatre Controls	
	d	Theatrical Lighting Fixtures	ColorForce II LED strip light fixtures	Theatrical Lighting	11 61 91	Chroma-Q	
	e	Theatrical Lighting Fixtures	Lonestar LED moving light fixture	Theatrical Lighting	11 61 91	Electronic Theatre Controls	
	f	Theatrical Lighting Fixtures	MAC Aura LED moving wash fixture	Theatrical Lighting	11 61 91	Martin	
4	a	Theatrical Lighting Controls	Element 2 1K Control Console	Theater Lighting Controls	26 55 61	Electronic Theatre Controls	<p>Most of this section comprises proprietary products manufactured by ETC. This includes relay-controlled theater lighting outlets, a dedicated theater lighting Ethernet system, portable controls desks, and related control devices. This also includes an integrated architectural lighting control system. These products are provided in the Auditorium and the Interdisciplinary Performance Room.</p> <p>1. The reason for this request is primarily pedagogical. ETC lighting controls are the default industry standard. Stoneham students will encounter ETC control installations in most theaters and educational settings after they graduate. The concepts and applications that students will learn using the ETC control system at Stoneham will be widely transferrable and will better prepare them for college or employment.</p> <p>2. These products form an integrated theater lighting control system with many interdependent parts. Having a single source of manufacture for the critical elements of the system is important for interoperability and reliability.</p> <p>3. These products are available through multiple local vendors so pricing will be competitive.</p>
	b	Theatrical Lighting Controls	ION XE 20 Control Console	Theater Lighting Controls	26 55 61	Electronic Theatre Controls	
5	a	Security System	Access Control System	Security	28 13 00	EntraPass by Kantech	To match and be compatible with Town existing systems
	b	Security System	Surveillance System	Security	28 20 00	ExacqVision by Tyco/Exacq	To match and be compatible with Town and Police existing systems
	c	Security System	Primus Lock Core System	Security/Hardware	08 71 00	Match existing Town System	To match existing town master key system
6	Sprinkler Heads	Tyco Window Sprinkler Heads	Fire Protection	21 00 01	Horizontal Sidewall Window Sprinkler Heads	Window sprinkler heads are required where we have interior glazing within fire rated assemblies surrounding some of the multi height spaces in the building, namely the Gym and the Level 3 Corridor surrounding the main staircase. The code requires that the sprinklers are spaced out so that they do not spray each other, which is referred to as 'cold-soldering'. In the case of glazing, the challenge arises where we need to protect the glass with one sprinkler and the floor with another ceiling mounted sprinkler; this creates coordination complexity and can add cost by requiring additional baffles where the spacing requirements between the two types cannot be met on their own. Tyco is the only manufacturer that provides a horizontal sidewall sprinkler head. The horizontal type heads are able to be mounted within 1/2" of the glazed area, which in turn allows the surrounding glass framing to act as a baffle, eliminating the aforementioned need for additional baffles and/or complex coordination. In the case of the Gym, where we have multiple sprinkler heads stacked vertically, it would be imperative to use the horizontal sidewall sprinklers to avoid additional cost and complexity. Pending variance.	
7	Stormwater Treatment	Stormceptor STC	Stormwater Treatment	33 40 00	Contech	This product provides stormwater quality treatment required for stormwater runoff on pollution-generating impervious surfaces (any pavement with vehicular traffic). To meet our target water quality rates, we need to utilize products that are pre-approved by the state to provide 'X' amount of water quality. We are relying on these specific units to provide enough water quality for our site to meet Total Suspended Solids (TSS) removal standards.	
8	Building Management System	Niagra Tridium Software	Building Mgmt. System	23 00 00	Niagra Tridium	To integrate with other school building management systems in the district	
9	HVAC PG Water	Propylene Glycol (PG) Water	HVAC Systems	23 25 ??	TBD by Geothermal Contractor	The Propylene Glycol (PG) water in the underground geothermal piping must match the water in the building's HVAC piping for the whole system to work properly. The geothermal PG water will be specified and purchased as part of Bid Package #1 (May 9th, 2022) which happens before the HVAC contractors are part of the project (Bid Package #3 - November 4th, 2022). Because of this specific sequencing, the project will make the future HVAC PG water proprietary to match the geothermal PG water. The exact nature of this proprietary item will be updated based on the final selection of the geothermal contractor.	

April 29, 2022

Architectural Access Board
One Ashburton Place, Room 1310
Boston, MA 02108-1618

Re: **Stoneham High School**
521 CMR Variance to use Platform Lift & LULA

To Whom It May Concern:

Code Red Consultants (Appellant) has prepared the variance request described herein on behalf of the Town of Stoneham (Owner) for alternative methods at the Stoneham High School project.

The project consists of the design and construction of a new 3-story high school with a footprint area of approximately 105,000sf and aggregate area of approximately 240,000sf. Level 01 will include an auditorium, a gymnasium, a cafeteria, administrative offices, and a pre-kindergarten wing. Levels 02 and 03 will consist primarily of classrooms, science labs, media areas, and offices. Level 02 will also include an auditorium seating area and a track that is open to the gymnasium below. The project will further include a new athletic field constructed adjacent to the new high school. The field will be accompanied by bleacher/stadium seating complete with concession structures, permanent bathrooms, locker rooms, offices, storage, and a small press box overlooking the bleachers and field. The press box has an area of approximately 210 ft². The building is Type IB construction and is protected throughout with an automatic sprinkler system and fire alarm system. The building will include Groups A-1, A-2, A-3, B and E and accessory occupancy groups S-1 and S-2.

The following variances are being requested for this project:

- 1) **Variance #1** - The project includes the construction of a new Black Box Theater that is provided with an associated control room. The Appellant is seeking a variance from 521 CMR Section 28.12.1 to allow a wheelchair lift to be utilized in lieu of a ramp to serve the Black Box Theater control room.
- 2) **Variance #2** - The project includes the construction of a new athletic field and will be accompanied by bleacher/stadium seating complete with concession structures, permanent bathrooms, locker rooms, offices, storage, and a small press box overlooking the bleachers and field. The Appellant is seeking a variance from 521 CMR Section 28.12.1 to allow a Limited Use Limited Access Elevator (LULA) to be utilized in lieu of an elevator to access the press box.

Variance Request #1: Black Box Theater - Wheelchair Lift

The building contains a Blackbox theater with seating around a common performing area and a control room. The focus of this variance request is specific to providing access to the control room.

The primary purpose of the control room is to provide an acoustically isolated space in which the crew can operate production effects and ancillary services during the performance such as control of lighting, audio, and projection. The control room must provide sightlines to the performance area for crew members, and these sightlines must not be blocked by spectators. Therefore, the design of the booth and theater requires that it be elevated 4 feet 6 inches.

The control booth, has a total occupiable floor area of 126 ft², not including stairs/lift area. Based on its use, the space has a calculated occupant load of two occupants. To accommodate the required height difference, the control booth is accessed via a stair. In lieu of a 59 ft long ramp with landings, a wheelchair lift is proposed to be used if approved by the Massachusetts Architectural Access Board as part of this variance request.

Please find pertinent project drawings within Appendix A for reference.

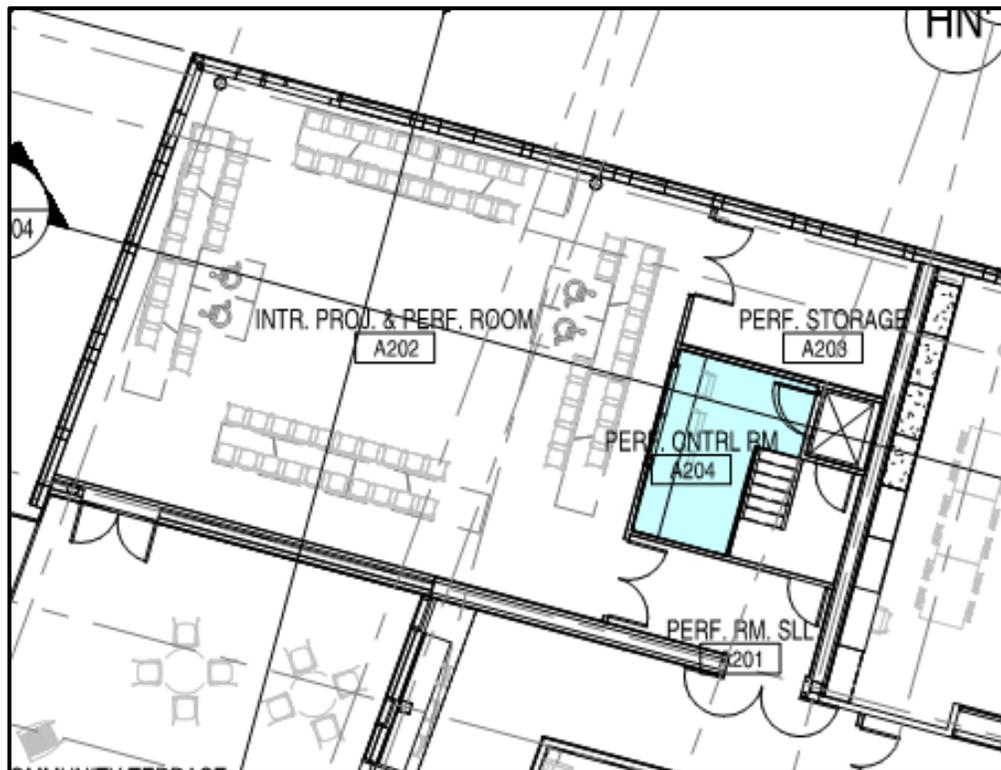


FIGURE 1: CONTROL BOOTH FLOOR PLAN

521 CMR Compliance

521 CMR 14.1 requires that places of public assembly comply with 521 CMR including associated supporting areas such as control booths. Therefore, an accessible route is required to be provided to such areas. As the control booth is elevated above the Second-Floor level, this requires an elevator or ramp designed in accordance with 521 CMR 28.00 or 24.00 respectively.

Justification and Considerations

521 CMR 28.12.1 permits vertical wheelchair lifts to be used in certain circumstances but does not specifically include for access to a control booth. 521 CMR 28.12.1(e) permits wheelchair lifts in lieu of an elevator to provide vertical access where the distance between floors is less than a full story and where a ramp is not feasible. Therefore, the Town of Stoneham has requested the design team seek a variance to use a wheelchair lift and justify that a ramp is not feasible.

A cost estimate summary for the Ramp and Wheelchair lift is shown in the table below and outlined in Appendix D.

	Cost Estimate
Ramp	\$46,000
Wheelchair Lift	\$20,240
Difference	\$25,760

These prices are direct costs and do not include adjustments for prevailing wages, mark-ups, or contingencies. The difference in total cost between the Ramp and Wheelchair lift will be approximately \$25,760 including multiplier markups.

The Appellant is requesting a variance from 521 CMR 28.12.1 on the basis of the following items:

- Providing a ramp within the 126 ft² control booth is impracticable due to infeasibility as the 4' 6" height difference between the room and surrounding floor would require a 59' ramp (53' including an intermediate landing), with additional 5' clear landings at the top and bottom. The control booth itself has a length of 14'2" and maximum width of 10'11". It is our opinion that it is not feasible to be provided within the building.
- The ramp results in excessive costs without substantial benefit to persons with disabilities as a vertical wheelchair lift will still provide an accessible route to the control booth. Given the additional cost of installing a ramp to access the control booth, it is respectfully requested that a variance be granted to instead permit a vertical wheelchair lift.

Please take into consideration the following additional factors:

- The new platform will comply with 521 CMR 28.12 including platform size, controls, and other related design considerations.
- The control booth will only be occupied by up to 2 occupants and is not an area subject to frequent entering/exiting.
- The control booth is intended to be used as a technical production area containing lights, controls, and related equipment for the auditorium features.
- The current code permits a platform lift to be 36"x54" with a 42" door in the wide side. The proposed lift will be designed to comply with the 2018 Draft changes to 521 CMR, which requires the lift to be 42"x60" when the door is located in the wide side (Refer to Appendix B).

Variance Request #2: Stadium Press Box - Limited Use Elevator

A new athletic field will be constructed adjacent to the new high school that will be accompanied by bleacher seating. This structure will have concessions, bathrooms, locker rooms, offices, storage, and a small press box at the top of the bleachers. The press box has an area of approximately 210 ft². Elevations and plans for the bleachers are attached as Appendix C.

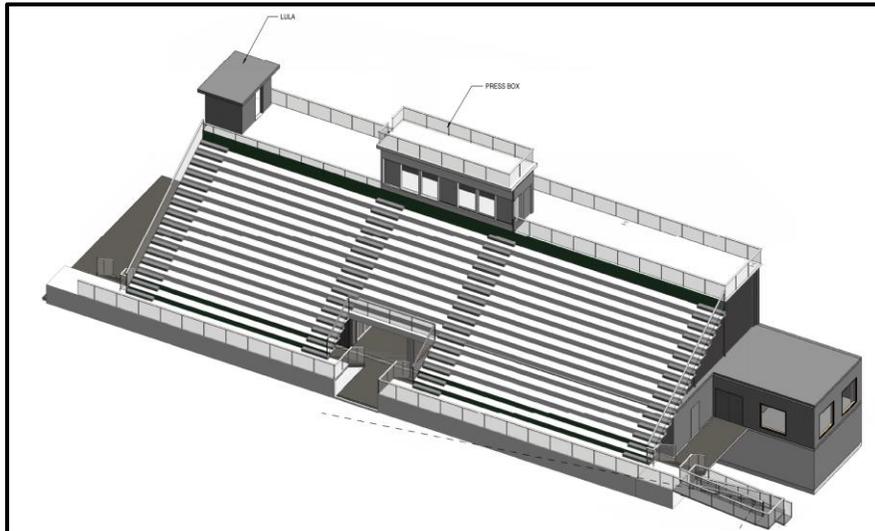


FIGURE 2: AXON ELEVATION VIEW OF BLEACHER SEATING AND PRESS BOX

521 CMR Compliance

521 CMR 14.1 requires that places of public assembly comply with 521 CMR including associated supporting areas such as press boxes. Therefore, an accessible route is required to be provided to such areas. As the press box is elevated above the bleachers, an elevator is required to be provided to reach the higher floor level from grade (521 CMR 28.1).

It is our understanding that consideration is being given to an amendment to 521 CMR 28.12.1 permitting the use of a Limited Use elevator or vertical wheelchair lift to provide an accessible route to the primary level of a press box that is less than 500 ft².

ADA Compliance

In general, the 2010 ADA similarly requires accessible access to a press box that is usable by the public (ADA 206.2.7). However, where the press box is limited to not more 500 square feet, the accessible route is exempted, and the press box is not required to be provided with an elevator (ADA 206.2.7 Exception 1).

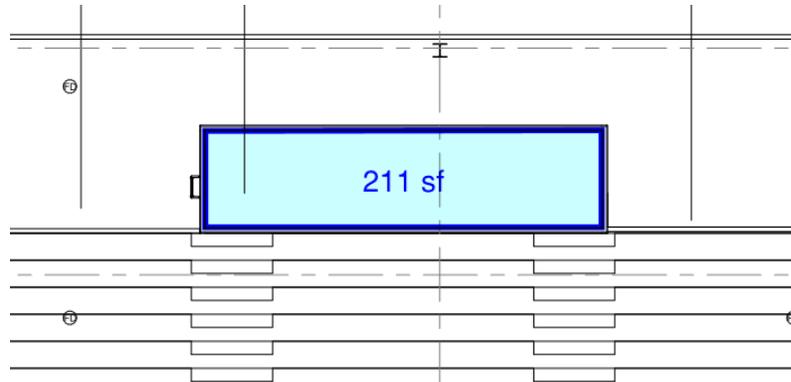


FIGURE 3: PRESS BOX

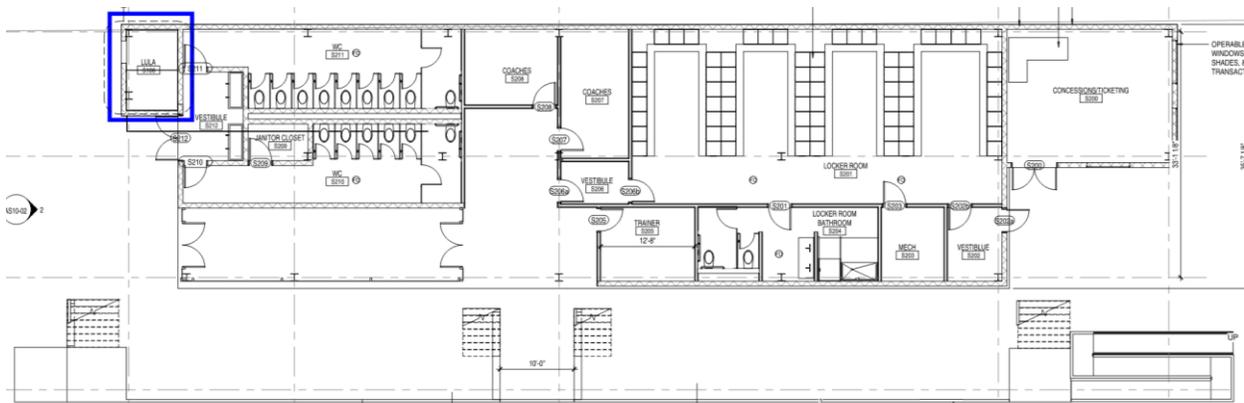


FIGURE 4: GROUND LEVEL (PROPOSED LULA AT LEFT)

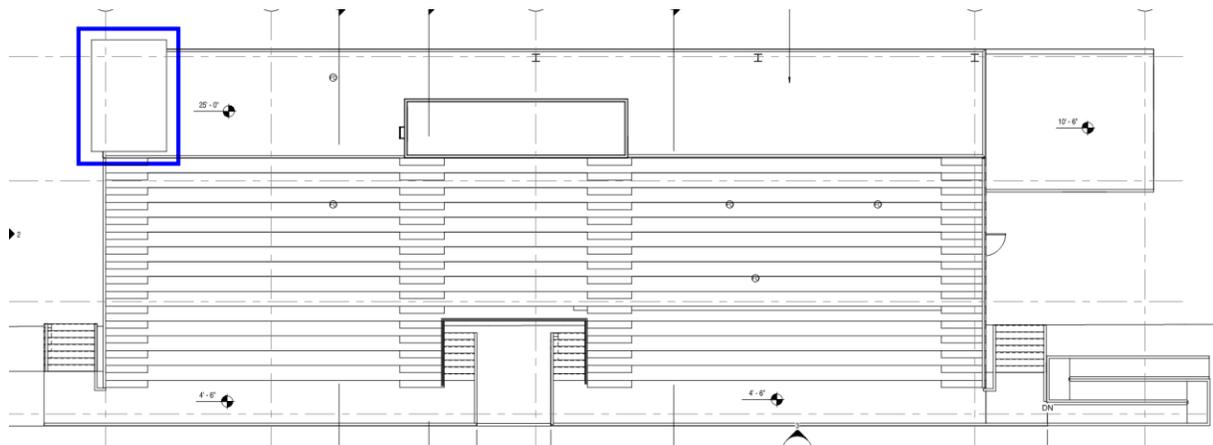


FIGURE 5: UPPER LEVEL CONTAINING PRESS BOX (PROPOSED LULA LOCATION AT LEFT)

Nature of Request

521 CMR 28.12.1 permits Limited Use elevators (LULAs) to be used in certain circumstances but does not specifically include for access to a control booth.

Justification and Considerations

A cost estimate summary for the elevator and Limited Use elevator is shown in the table below.

	Cost Estimate
Elevator	\$180,000
Limited Use Elevator	\$141,500
Difference	\$38,500

Please refer to the cost estimate for a stadium elevator and the proposed stadium LULA attached to this letter as Appendix D for additional details. These prices are direct costs and do not include adjustments for prevailing wages, mark-ups, or contingencies. The difference in total cost between the elevator and Limited Use elevator will be approximately \$38,500 including multiplier markups.

The Appellant is requesting this variance on the basis that the elevator results in excessive costs without substantial benefit to persons with disabilities as a Limited Use elevator will still provide an accessible route to the press box. Given the additional cost of installing an elevator to access the Press Box, it is respectfully requested that a variance be granted to instead permit a Limited Use Limited Access elevator. Please take into consideration the following factors:

1. The new Limited Use elevator will comply with 521 CMR 28.12.
2. The 2010 ADA Standards for Accessible Design does not require an accessible route to the press box be provided as the space is less than 500 ft².
3. A proposed amendment to 521 CMR will permit a Limited Use elevator to provide an accessible route to the press box as the area is less than 500 ft².
4. There is no accessible seating, nor is accessible seating required to be provided, at the upper levels of the bleachers.
5. The press box is 20'-6" above the accessible stadium platform, 25' above the field level and 34'-6" above the basement level.

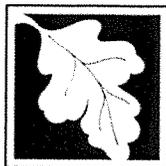
Conclusion

The variances being requested as part of this project are to allow for Vertical Wheelchair Lifts or Limited Use Elevators (LULA) to be permitted as a part of an accessible route from the spaces described above. In some instances, a 90 degree turn within said elevator alternatives are requested to mitigate significant financial implications on the design of the project. In our opinion, approval of these variances is in alignment with the intent of the Massachusetts Architectural Board's Regulations and do not reduce the level accessibility, safety, or function for use by any persons with disabilities. As such, we respectfully request relief to Sections 28.12.1, 28.12.2 and 28.12.3 as specified and justified herein.

Sincerely,
CODE RED CONSULTANTS



Jeff Perras, P.E.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 3 – Notice of Intent
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (Note: electronic filers will click on button to locate project site):

149 Franklin Street

a. Street Address

Stoneham

b. City/Town

02180

c. Zip Code

Latitude and Longitude:

42.4722

d. Latitude

-71.0901

e. Longitude

Map 8

f. Assessors Map/Plat Number

134

g. Parcel /Lot Number

2. Applicant:

Dennis

a. First Name

Sheehan

b. Last Name

Town Administrator, Stoneham

c. Organization

35 Central Street

d. Street Address

Stoneham

e. City/Town

MA

f. State

02180

g. Zip Code

781-279-2600

h. Phone Number

i. Fax Number

dsheehan@stoneham-ma.gov

j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

a. First Name

b. Last Name

c. Organization

d. Street Address

e. City/Town

f. State

g. Zip Code

h. Phone Number

i. Fax Number

j. Email address

4. Representative (if any):

David

a. First Name

Conway

b. Last Name

Nitsch Engineering

c. Company

2 Center Plaza, Suite 430

d. Street Address

Boston

e. City/Town

MA

f. State

02108

g. Zip Code

857-206-8718

h. Phone Number

i. Fax Number

dconway@nitscheng.com

j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

N/A

a. Total Fee Paid

N/A

b. State Fee Paid

N/A

c. City/Town Fee Paid



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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A. General Information (continued)

6. General Project Description:

The project includes the demolition of the existing Stoneham High School and associated site features and the construction of a new School building, walkways, driveways, parking lots, athletic fields, tennis courts, utilities, and a stormwater management system.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- | | |
|---|---|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Commercial/Industrial | 4. <input type="checkbox"/> Dock/Pier |
| 5. <input type="checkbox"/> Utilities | 6. <input type="checkbox"/> Coastal engineering Structure |
| 7. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) | 8. <input type="checkbox"/> Transportation |
| 9. <input checked="" type="checkbox"/> Other | |

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Middlesex

a. County

10891

b. Certificate # (if registered land)

20-27

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet _____	2. linear feet _____
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet _____	2. square feet _____
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet _____	2. square feet _____
	3. cubic yards dredged _____	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____	2. square feet _____
	3. cubic feet of flood storage lost _____	4. cubic feet replaced _____
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet _____	
	2. cubic feet of flood storage lost _____	3. cubic feet replaced _____
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland _____	

2. Width of Riverfront Area (check one):
- 25 ft. - Designated Densely Developed Areas only
 - 100 ft. - New agricultural projects only
 - 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet _____ b. square feet within 100 ft. _____ c. square feet between 100 ft. and 200 ft. _____

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
 Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____ 1. square feet	
	_____ 2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____ 1. square feet	_____ 2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____ 1. square feet	_____ 2. cubic yards dune nourishment

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____ 1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____ 1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____ 1. square feet	_____ 2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____ 1. square feet	
	_____ 2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____ 1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	_____ 1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____ 1. square feet	

4. Restoration/Enhancement

If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

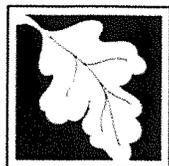
 a. square feet of BVW

 b. square feet of Salt Marsh

5. Project Involves Stream Crossings

 a. number of new stream crossings

 b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. — Yes No

If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

b. Date of map _____

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review.

1. — Percentage/acreage of property to be altered:

(a) within wetland Resource Area _____

percentage/acreage

(b) outside Resource Area _____

percentage/acreage

2. — Assessor's Map or right-of-way plan of site

2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

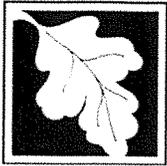
(a) Project description (including description of impacts outside of wetland resource area & buffer zone)

(b) — Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/mas-endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

(c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

(d) Vegetation cover type map of site

(e) Project plans showing Priority & Estimated Habitat boundaries

(f) OR Check One of the Following

1. Project is exempt from MESA review.

Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing.

_____ a. NHESP Tracking #

_____ b. Date submitted to NHESP

3. Separate MESA review completed.

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

c. Is this an aquaculture project?

d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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C. Other Applicable Standards and Requirements (cont'd)

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. Yes No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. Yes No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. A portion of the site constitutes redevelopment
 3. Proprietary BMPs are included in the Stormwater Management System.
- b. No. Check why the project is exempt:
1. Single-family house
 2. Emergency road repair
 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



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D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.
Civil Plans for Stoneham High School

a. Plan Title

Nitsch Engineering

David Conway

b. Prepared By

c. Signed and Stamped by

April 29, 2022

As Noted

d. Final Revision Date

e. Scale

Stormwater Report and Landscape Plans

f. Additional Plan or Document Title

g. Date

- 5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. Attach NOI Wetland Fee Transmittal Form
- 9. Attach Stormwater Report, if needed.

E. Fees

- 1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

N/A

2. Municipal Check Number

3. Check date

N/A

4. State Check Number

5. Check date

N/A

6. Payor name on check: First Name

7. Payor name on check: Last Name



Massachusetts Department of Environmental Protection
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MassDEP File Number

Document Transaction Number

City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

5/3/22

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Design Development Reconciled Estimate with VM

Description	Takeoff Quantity	Total Amount	Total Cost/Unit
BP #1 Site Enabling & Geothermal Wells	207,077.00 sf	9,465,087	45.71 /sf
BP #2 Concrete & Steel	207,077.00 sf	16,310,303	78.76 /sf
BP #3 GMP	207,077.00 sf	126,857,571	612.61 /sf

31 00 00 - SITEWORK

Company	City	State
W.L. French Excavating Corporation	Billerica	MA
Ernest Guigli & Sons, Inc.	Natick	MA
James W. Flett Co., Inc.	Belmont	MA
The Welch Corp	Brighton	MA
A.A. Will Corporation	Stoughton	MA
J Derenzo Co.	Brockton	MA
Northeast Contractors, Inc.	Ludlow	MA
United Civil, Inc.	Middleton	MA
J.R. Vinagro Corporation	Johnston	RI
The Dow Company	Dracut	MA
Marois Brothers, Inc.	Worcester	MA

33 20 00 - GEOTHERMAL WELLS

Company	City	State
Skillings and Sons	Amherst	NH
TG Ogden	Tewksbury	MA
N.A. Manosh	Morristown	VT
Chesapeake Geosystems, Inc.	Baltimore	MD
Connecticut Wells	Bethlehem	CT
LaFramboise	Thompson	CT
Wragg Brothers Geothermal	Ascutney	VT
Cushing and Sons	Surry	NH

FOR IMMEDIATE RELEASE

Sharon Iovanni

siovanni01@gmail.com

781-248-9754

NEW SHS GROUNDBREAKING CEREMONY – JUNE 15TH, 1 PM

Stoneham, MA - Stoneham's School Building Committee (SSBC) is excited to announce the official groundbreaking ceremony for the new Stoneham High School, set for Wednesday, June 15th, at 1:00 PM on the site of the new building at 149 Franklin Street, Stoneham. The groundbreaking marks another milestone in the journey which began in 2019 with the approval of the Massachusetts School Building Authority to move onto the schedule for a new high school building.

Speakers expected to participate include MSBA Executive Director Jack McCarthy, State Senator Jason Lewis, State Representative Michael Day, Select Board Chair George Seibold, School Committee Chair David Maurer and SSBC Co-Chairs David Bois and Marie Christie.

Stoneham residents are invited to join the Committee at the ceremony. Please plan to arrive after 12:30 pm to allow students and faculty to complete their early dismissal.

Stoneham's new high school will officially open to students in September of 2024. Over the next two years, Consigli Construction and Perkins+Will and their subcontractors will design and construct the three-story building that will house approximately 695 students grades nine through twelve as well as a town wide preschool program.

The building, which will be zero net energy constructed, will include a gymnasium with an indoor elevated running track, a state-of-the-art auditorium and cafeteria along with educationally appropriate classrooms to provide 21st century learning opportunities for all students. The building will also house the town's entire preschool program in a separate wing, allowing high school students the opportunity to study early education processes. Outside spaces include exterior learning environments; and adjacent fields will include a new multi-use Spartan Stadium, new baseball and soccer fields, as well as practice fields.

The SSBC is grateful to Stoneham's residents for their overwhelming and enthusiastic support of this project since its inception, and to the town's various department heads and Boards who have worked cooperatively with us during the design phase of the project. We are also thankful for the hard work of our project team – OPM Symmes Maini & McKee Associates, Project Designer Perkins+Will, and Construction Managers Consigli Construction.

Regular SSBC in-person Meetings are held twice a month on Monday evenings beginning at 7:00 p.m. at Stoneham Central Middle School. The meetings are also broadcast locally on Stoneham TV and can be accessed via GoToMeeting for virtual

participation. The School Building Committee meetings are open to all and the Committee welcomes and encourages your attendance and input. Details for attending meetings and for more School Building Committee information can be found at <https://www.stoneham-ma.gov/hsbc> .

3 0 -

You're invited to:

The New Stoneham High School Groundbreaking Ceremony



On behalf of Stoneham Public Schools and the Stoneham School Building Committee (SSBC), we cordially invite you to the groundbreaking ceremony for the new high school.

**Please join us on Wednesday, June 15th at 1:00pm
at 149 Franklin Street, Stoneham, MA 02180**

Stoneham residents are invited to join the Committee at the ceremony. Please plan to arrive after 12:30 pm to allow students and faculty to complete their early dismissal.

Participating Speakers:

Jack McCarthy
MSBA Executive Director

Jason Lewis
State Senator

Michael Day
State Representative

George Seibold
Select Board Chair

David Maurer
School Committee Chair

David Bois
SSBC Co-Chair

Marie Christie
SSBC Co-Chair

Project Team:

Symmes Maini & McKee Associates
OPM

Perkins&Will
Project Designer

Consigli Construction
Construction Manager



Thank you to Stoneham's residents and to the town's various department heads and Boards for their overwhelming support and cooperation while planning this project!



Project Minutes

Project: New Stoneham High School
 Prepared by: Joel Seeley
 Re: Construction Subcommittee Subset Meeting
 Location: Remote Locations
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 5/6/2022
 Time: 9:00am
 Meeting No: 9

Attendees:

PRESENT	NAME	AFFILIATION
	Douglas Gove	Community Member with Engineering Experience
✓	Paul Ryder	Community Member with Construction Experience
	Kevin Yianacopolus	Local Official responsible for Building Maintenance
✓	Brian McNeil	Town Facilities Director
	Dennis Sheehan	Town Administrator
	John Macero	Superintendent of Schools
✓	David Ljungberg	Assistant Superintendent of Schools
	David Pignone	Select Board Member, Athletic Director, Member knowledgeable in educational mission and function of facility
	Chief McIntyre	Stoneham Police Department
✓	Chief Grafton	Stoneham Fire Department
✓	Brett Gonsalves	Stoneham DPW Director
	Bryan Lombardi	High School Principal
✓	Brooke Trivas	Perkins and Will
	Stephen Messinger	Perkins and Will
	Brad Pineau	Perkins and Will
✓	David Warner	Warner Larson
	Kristy Lyons	Consigli Construction
	Todd McCabe	Consigli Construction
✓	Steve Banak	Consigli Construction
	Matt Guimond	Consigli Construction
✓	Robert Smith	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
9.1	B. McNeil B. Lombardi S. Banak	<p>Construction Logistics</p> <ol style="list-style-type: none"> S. Banak met with Chief Grafton, pre-blast survey to be within 250 feet, two-person fire watch required during any blasting operation. B. McNeil to provide a full list of existing sports equipment to Perkins&Will. <i>(from prior meeting)</i> B. Lombardi to issue the Emergency Evacuation Plan, showing access to and location of the emergency muster locations for the students, including

Item #	Action	Discussion
		<p>alternate emergency evacuation location for Colonial Park students, during the high school construction. <i>(from prior meeting)</i></p> <ol style="list-style-type: none"> 4. S. Banak indicated the cost for under field drainage under the North Soccer Field grass field, reduced ledge removal and eliminated retaining wall will be included in the 60% CD estimate. 5. S. Banak to confirm construction vehicles can fit along the west side of the North Soccer Field to exit the site thru Benjamin Terrace during Phase 2 construction. <i>(from prior meeting)</i>
9.2	Record	<p>Temporary and Final Traffic Signal Plan</p> <ol style="list-style-type: none"> 1. S. Banak indicated Consigli will be directing all construction vehicles to turn west bound (left) when existing the site onto Franklin Street.
9.3	D. Warner	<p>Boxwood Road Connection</p> <ol style="list-style-type: none"> 1. D. Warner confirmed the pedestrian pathway from Benjamin Terrace can support police cars and ambulances up to the field, past the field the pathway reduces to five feet in width. 2. D. Warner confirmed fire truck vehicles can turn left and right at the top of the Boxwood Road connection, D. Warner to forward the turning radii study to Chief Grafton.
9.4	S. Banak B. McNeil K. Lyons	<p>Construction Phasing and Logistics Plans</p> <ol style="list-style-type: none"> 1. K. Lyons to update the Construction Phasing and Logistics Plans to reflect Scenario 3 VE Item CL-77 yet. <i>(from prior meeting)</i> 2. S. Banak to review the summer 2023 grading work required at the entry drive and temporary parking lot. <i>(from prior meeting)</i> 3. B. McNeil to coordinate service and delivery truck needs during summer 2023 from school end to mid-August while the access drive is shut down. <i>(from prior meeting)</i> 4. K. Lyons to update the west permanent parking lot extents on the plans from Summer 2023 to Summer 2024. <i>(from prior meeting)</i> 5. S. Banak confirmed Spartan Stadium can be used for 2025 Graduation.
9.5	S. Banak	<p>Handout for Parents and Students for Fall 2022 Traffic</p> <ol style="list-style-type: none"> 1. S. Banak reviewed the draft Handout for Parents and Students for Fall 2022 Traffic, attached. 2. S. Banak to forward to the Subcommittee for review and finalization at the next meeting.

Item #	Action	Discussion
9.6	B. Trivas	Permanent Fire Hydrants 1. Chief Grafton indicated the Permanent Fire Hydrant and FDC Location Plan, attached, is approved. FDC to be 4" Stortz. 2. Chief Grafton asked if the FDC are free-standing or building-mounted and if they connect to the sprinkler system and/or standpipes? <i>B. Trivas to provide direction.</i>
9.7	Record	Next Construction Subcommittee Subset Meeting: 5/20/22 at 9:00am remote.

Attachments: Draft Handout for Parents and Students for Fall 2022 Traffic, Permanent Fire Hydrant and FDC Location Plan

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: New Stoneham High School
 Prepared by: Joel Seeley
 Re: Construction Subcommittee Subset Meeting
 Location: Remote Locations
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 4/22/2022
 Time: 9:00am
 Meeting No: 8

Attendees:

PRESENT	NAME	AFFILIATION
✓	Douglas Gove	Community Member with Engineering Experience
✓	Paul Ryder	Community Member with Construction Experience
	Kevin Yianacopolus	Local Official responsible for Building Maintenance
✓	Brian McNeil	Town Facilities Director
✓	Dennis Sheehan	Town Administrator
	John Macero	Superintendent of Schools
	David Ljungberg	Assistant Superintendent of Schools
✓	David Pignone	Select Board Member, Athletic Director, Member knowledgeable in educational mission and function of facility
✓	Chief McIntyre	Stoneham Police Department
	Chief Grafton	Stoneham Fire Department
✓	Brett Gonsalves	Stoneham DPW Director
	Bryan Lombardi	High School Principal
✓	Brooke Trivas	Perkins and Will
	Stephen Messinger	Perkins and Will
✓	Brad Pineau	Perkins and Will
✓	David Warner	Warner Larson
✓	Kristy Lyons	Consigli Construction
	Todd McCabe	Consigli Construction
✓	Steve Banak	Consigli Construction
	Matt Guimond	Consigli Construction
✓	Robert Smith	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
8.1	M. Guimond B. McNeil B. Lombardi K. Lyons D. Pignone J. Seeley S. Banak	Construction Logistics <ol style="list-style-type: none"> M. Guimond to determine the blasting requirements, including pre-blast survey requirements and coordinate with Chief Grafton. <i>(from prior meeting)</i> B. McNeil to provide a full list of existing sports equipment to Perkins&Will. <i>(from prior meeting)</i> B. Lombardi to issue the Emergency Evacuation Plan, showing access to and location of the emergency muster locations for the students, including

Item #	Action	Discussion
		<p>alternate emergency evacuation location for Colonial Park students, during the high school construction. <i>(from prior meeting)</i></p> <ol style="list-style-type: none"> 4. K. Lyons confirmed that the Unsuitable Stockpile area cannot be reduced in size and will send a plan showing extents. 5. D. Gove asked if the stockpile area can be switched to the North Soccer Field? <i>K. Lyons indicated the permanent west parking lot will be constructed in Summer 2023, which extends over the north-half of the existing South Soccer Field. D. Pignone would like to further review.</i> 6. J. Seeley to schedule a meeting with the Playfields Subcommittee. 7. B. McNeil asked if under field drainage is being provided under the North Soccer Field grass field in VE Item CL-15? <i>S. Banak to review and confirm</i> 8. S. Banak will confirm construction vehicles can fit along the west side of the North Soccer Field to exit the site thru Benjamin Terrace during Phase 2 construction. 9. B. McNeil asked if Consigli will be removing the planters at the front of the school, there is a water main gate valve under one of them. <i>S. Banak indicated yes and will take care for the water main gate valve.</i>
8.2	S. Banak	<p>Temporary and Final Traffic Signal Plan</p> <ol style="list-style-type: none"> 1. S. Banak to confirm east bound construction vehicles turning radii at the Franklin Street west bound stop bar.
8.3	D. Warner	<p>Boxwood Road Connection</p> <ol style="list-style-type: none"> 1. D. Warner indicated the Benjamin Terrace pedestrian path design is underway to support police cars and ambulances. 2. D. Warner indicated fire truck turning radii confirmation is underway for vehicles turning left and right at the top of the Boxwood Road connection.
8.4	S. Banak B. McNeil K. Lyons B. Trivas	<p>Construction Phasing and Logistics Plans</p> <p>K. Lyons reviewed the updated Consigli Construction Phasing and Logistics Plans, attached. The final permanent layout does not reflect the Scenario 3 VE Item CL-77 yet, D. Warner will forward the updated layout to Consigli next week.</p> <p>Subcommittee Discussion:</p> <ol style="list-style-type: none"> 1. S. Banak to review the summer 2023 grading work required at the entry drive and temporary parking lot. 2. S. Banak indicated the access drive to the existing school will be out of use from school end 2023 to mid-August 2023.

Item #	Action	Discussion
		<p><i>B. McNeil to confirm the impact to service and delivery truck needs.</i></p> <p>3. K. Lyons to update the west permanent parking lot extents on the plans from Summer 2023 to Summer 2024.</p> <p>4. D. Gove asked can Spartan Stadium be used for 2025 Graduation? <i>S. Banak will confirm.</i></p> <p>6. D. Gove asked if the North Soccer Field can be the synthetic Soccer Field in lieu of the South Soccer Field and D. Pignone asked doesn't the synthetic North Soccer Field require the ledge blasting and retaining wall? <i>D. Warner indicated the North Soccer Field positioning and layout is the same whether synthetic or natural grass and when adding in the perimeter fence around the synthetic field, there would only be minor ledge removal and retaining wall construction along the west side, since the emergency drive was changed to a pedestrian pathway. The Notice of Intent for the natural grass playfield is being submitted to the Conservation Commission next week.</i></p> <p>7. D. Gove asked can the Notice of Intent be submitted for the synthetic playfield? <i>D. Warner indicated he did not want to speak for Nitsch Engineering, who is overseeing the NOI, but that would most likely require a different set of plans and drainage calculations. The synthetic playfield may present a challenge with permitting approval with the Conservation Commission as a portion of the field is within the 100-foot buffer zone. B. Trivas will review impacts with Nitsch and indicated direction is required immediately.</i></p>
8.5	Record	Next Construction Subcommittee Subset Meeting: 5/6/22 at 9:00am remote.

Attachments: Construction Phasing and Logistics Plans

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

Project No.: 20033
 Meeting Date: 5/6/2022
 Time: 11:00am
 Meeting No: 3

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
✓	Steve Banek	Consigli
✓	Matt Giumond	Consigli
✓	Robert Smith	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
3.01	Record	<p data-bbox="480 302 1445 333">Stockpile Area, Existing Soccer Fields, Baseball Field and Football Field</p> <ol data-bbox="532 359 1445 625" style="list-style-type: none"><li data-bbox="532 359 1445 489">1. S. Banak indicated Consigli has determined the North Soccer Field, commencing Summer 2022, is suitable for the Stockpile Area. The northern approximate 25% of the South Soccer Field will need to be utilized to gain construction vehicle access to the North Soccer Field.<li data-bbox="532 512 1445 573">2. The remaining approximate 75% of the South Soccer Field can be used until Summer 2023, when the permanent west parking lot is constructed.<li data-bbox="532 596 1445 625">3. The Baseball and Football Fields can be used until Summer 2024.
3.02	S. Banak	<p data-bbox="480 638 1445 669">New Play Field Sequencing</p> <p data-bbox="480 695 1445 724">M. Guimond reviewed the new playfield sequencing as follows:</p> <ol data-bbox="532 747 1445 1094" style="list-style-type: none"><li data-bbox="532 747 1445 808">1. South Synthetic Soccer Field - commence Summer 2024, complete November/December 2024, use Spring 2025.<li data-bbox="532 831 1445 892">2. North Grass Soccer Field - commence Summer/Fall 2024, complete November/December 2024 (will miss growing season), use Fall 2026.<li data-bbox="532 915 1445 1016">3. Tennis Courts – Consigli studying use as construction vehicle access corridor, schedule being developed. The topcoat is temperature sensitive and may need to be applied in Spring 2025, for use in Fall 2025.<li data-bbox="532 1039 1445 1094">4. Baseball Field, Football Stadium and Softball Field - same schedule as original. <p data-bbox="480 1117 1445 1146">Subcommittee Discussion:</p> <ol data-bbox="532 1169 1445 1688" style="list-style-type: none"><li data-bbox="532 1169 1445 1230">1. P. Ryder asked what would the cost be to sod the North Soccer Field? <i>S. Banak will provide direction.</i><li data-bbox="532 1253 1445 1383">2. D. Pignone asked if the project were to obtain the funding to change the North Soccer Field to Synthetic, when could the field be used? <i>S. Banak indicated if the work could commence Summer 2024, then it could be complete and ready for use October/November 2024.</i><li data-bbox="532 1407 1445 1572">3. B. McNeil asked if Consigli is still planning to retain the School's Irrigation Vender to keep the existing irrigation system operational to the approximate 75% of the South Soccer Field, Baseball Field and Football Field? <i>S. Banak indicated yes, for the irrigation system as well as the electrical feeds to the controllers.</i><li data-bbox="532 1596 1445 1688">4. D. Pignone asked if Consigli can provide the updated Playfield Sequencing Plans for review. <i>S. Banak indicated yes.</i>

		<p>5. D. Pignone asked if Consigli can provide options to the Tennis Court completion dates? <i>M. Guimond indicated yes, one of the options is to not use Benjamin Terrace for exiting Construction Vehicles during Phase II, but the existing construction vehicles share the exit drive to the new school with school traffic.</i></p> <p>6. D. Pignone asked if Consigli can assist in determining the electrical power issue to the Hut at the Football Stadium. <i>M. Guimond indicated yes, they could explore this summer, GPR may be an option, when re-feeding the existing irrigation controllers and scoreboards work is underway.</i></p>
3.03	Record	Next Play Fields Subcommittee Meeting: TBD

Attachments: none

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

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Project Minutes

Project: New Stoneham High School
 Prepared by: Joel Seeley
 Re: Interiors Subcommittee Meeting
 Location: Central Middle School Media Center
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 4/26/2022
 Time: 3:30pm
 Meeting No: 2

Attendees:

PRESENT	NAME	AFFILIATION
✓	Marie Christie	Co-Chair, Past Member of the School Committee/Middle School Building Committee
✓	Josephine Thomson	Community Member
	Nicole Nial	School Committee Member
✓	Lisa Gallagher	Community Member, School Secretary
✓	Raymie Parker	Select Board Member
✓	Cory Mashburn	Community Member, Finance and Advisory Board
✓	Brian McNeil	Facilities Director
	John Macero	Superintendent of Schools
✓	Brooke Trivas	Perkins and Will
✓	Mirelle Botros	Perkins and Will
✓	Patrick Cunningham	Perkins and Will
✓	Jennifer Miller	Perkins and Will
✓	Andrea White	Perkins and Will
	Kristy Lyons	Consigli
✓	Robert Smith	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
2.1	B. Trivas	<p>J. Miller presented the Interior Materials Presentation and physical samples, attached.</p> <p>Subcommittee Discussion:</p> <ol style="list-style-type: none"> The lighter carpet is preferred in the Collaboration Spaces adjacent to the Gymnasium. A painted accent wall in Offices is preferred. The extent of corridor rubber flooring to the locker rooms to be finalized. B. Trivas to provide the construction cost for the Interior Branding Graphics from the Billerica High School project for review.

Project: New Stoneham High School

Meeting Date: 4/26/2022

Meeting No.: 2

Page No.: 2

Item #	Action	Discussion
		The Subcommittee is in agreement with the materials and finishes presented.
2.2	Record	Next Subcommittee Meeting: TBD

Attachments: Interior Materials Presentation

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

1000 Massachusetts Avenue
Cambridge, MA 02138
617.547.5400

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Project Minutes

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

Project No.: 20033
 Meeting Date: 4/25/2022
 Time: 10:00am
 Meeting No: 26

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
✓	April Lanni	Town Procurement Officer / MCPPO Certified
✓	John Macero	Superintendent of Schools
✓	Brian McNeil	Facilities Director
	Erin Wortman	Director, Planning and Community Development
✓	Susan McPhee	Energy Conservation Coordinator
	Vamshi Gooje	Thornton Tomasetti
✓	McKenzie Stevens	Nexamp
✓	Olivia Brissette	Nexamp
✓	Patrick Canning	Nexamp
✓	Ariel Kondiles	Nexamp
	Brooke Trivas	Perkins and Will
✓	Patrick Cunningham	Perkins and Will
✓	Stephen Messinger	Perkins and Will
✓	Ryan Flynn	BALA
✓	Steve Burke	Consigli
	Kristy Lyons	Consigli
✓	Tom Michelman	SEA
✓	Robert Smith	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
26.1	D. Sheehan M. Stevens T. Michelman S. Messinger S. Burke	Photovoltaic System <ol style="list-style-type: none"> D. Sheehan will provide direction if a Leasing Agreement or a Licensing Agreement is preferred by the Town.

Item #	Action	Discussion
	P. Cunningham J. Seeley R. Flynn	<ol style="list-style-type: none">2. M. Stevens will schedule a meeting with T. Michelman, A. Lanni and J. Seeley to review the list of SEA questions/comments on the Nexamp proposal, attached.3. A. Kondiles provided a draft of the final Agreement, T. Michelman and Town Counsel to review.4. S. Burke to provide the cost for Consigli to provide the underground conduit to the PV canopies to M. Stevens for Nexamp to carry in PV rate.5. P. Cunningham reviewing the impact of the area needed for the PV Battery and other ground mounted equipment provided by Nexamp.6. M. Stevens to provide P&W the weights for all PV equipment on the roofs, with a priority placed on the gymnasium roof.7. S. Messinger indicated the reserve capacity of gymnasium roof structure is 10 lbs/sf.8. M. Stevens to review the East Parking Lot slope with respect to the PV Canopy design. S. Messinger will provide the latest grading plan to Nexamp.9. D. Sheehan to provide direction on what permits the Town will require for the PV System.10. Spec Sheets and Renderings of single-tilt and dual-tilt PV canopies were reviewed, attached. The Town prefers the dual-tilt PV canopies.11. M. Stevens will review dual-tilt PV canopy with the updated energy model and provide options, including exceeding the requirements, for the next meeting. Adding the Optional 100kW PV Canopy in front of the school is not preferred by the Town.12. P. Cunningham to confirm BALA is providing the conduit and conductors for the under-canopy parking lot lighting, Nexamp will provide the light fixtures and interconnection conduits and conductors.13. O. Brissette will review tree shading impact of extending PV Canopy along East side of East Parking Lot. J. Seeley will forward photographs of this area to Nexamp.14. R. Parker asked if some additional Accessible Parking Spaces can be provided under PV Canopies? <i>P. Cunningham will review.</i>15. R. Parker asked if there are some local examples of "Over the Road" PV Canopies that can be visited?

Item #	Action	Discussion
		<p><i>M. Stevens will provide examples to visit.</i></p> <p>16. A. Lanni asked how is snow handled on the PV Canopies? <i>P. Canning indicated snow remains on the PV Canopies until it is melted.</i></p> <p>17. A. Lanni asked how much snow can the PV Canopies support? <i>P. Canning indicated PV Canopies are designed to meet the Code required snow load.</i></p> <p>18. O. Brissette asked if there is a maximum size conductor to connect to the Building Switchgear? <i>R. Flynn will review and provide direction.</i></p>
26.2	Record	<p>Geothermal System</p> <p>1. A PPA for the Geothermal System is not being pursued.</p>
26.3	S. McPhee	<p>EV Charging Stations</p> <p>1. S. McPhee will contact Eversource to attend the next meeting.</p>
26.4	R. Flynn	<p>Full Load Electrical Capacity at Franklin Street <i>(from prior meeting)</i></p> <p>1. R. Flynn will follow up with Eversource to confirm in writing the full load capacity at Franklin Street.</p>
26.5	P. Cunningham	<p>Dark Building and Campus <i>(from prior meeting)</i></p> <p>1. P. Cunningham will confirm with the Police and Fire Departments if the project will be designed to be a dark building and dark campus at the next Construction Meeting on 5/6/22.</p> <p>2. S. McPhee indicated the Town's street lights dim by 50%, via a "dimulator" device. <i>P. Cunningham will review with BALA.</i></p>
26.6	Record	<p>Next Green Building Initiatives Meeting: Monday, 5/9/2022 at 10:00am, remote.</p>

Attachments: SEA questions/comments on the Nexamp proposal, Spec Sheets and Renderings of single-tilt and dual-tilt PV canopies

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: New Stoneham High School
 Prepared by: Joel Seeley
 Re: PR Subcommittee Meeting
 Location: Remote Participation
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 4/25/2022
 Time: 3:00pm
 Meeting No: 27

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	Select Board Member
	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
✓	David Ljungberg	Assistant Superintendent of Schools
	Bryan Lombardi	Principal
	Dennis Sheehan	Town Administrator
✓	Brooke Trivas	Perkins and Will
	Kristy Lyons	Consigli
	Todd McCabe	Consigli
✓	Robert Smith	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
27.1	B. Trivas S. Iovanni J. Macero N. Nial K. Lyons J. Seeley	<p>Groundbreaking Ceremony</p> <ol style="list-style-type: none"> 1. Program <ol style="list-style-type: none"> a. Introduction b. Speakers c. Groundbreaking d. Closing Remarks e. Refreshments f. B. Trivas to draft Program and send to Subcommittee for review g. Program to be issued by May 16 h. Program to be a QR Code, along with some hard copies, at the event 2. Speakers <ol style="list-style-type: none"> a. Representative Katherine Clark b. Senator Jason Willis

Item #	Action	Discussion
		<ul style="list-style-type: none"> c. Representative Michael Day d. Jack McCarthy, MSBA Executive Director e. George Seibold, Chair Select Board f. Jaime Wallace, Chair School Committee g. Marie Christie and David Bois, SSBC Co-Chairs <ul style="list-style-type: none"> 3. Student Participation <ul style="list-style-type: none"> a. Freshman Class Officers 4. Emcee <ul style="list-style-type: none"> a. John Macero 5. Invitations <ul style="list-style-type: none"> a. "Save the Date" email invite from the Co-Chairs to be sent to the speakers this week. S. Iovanni will draft, J. Macero will email out, with RSVP. b. B. Trivas to draft Invitation Flyer and send to Subcommittee for review c. Information Flyer to be issued by May 16 d. Flyer Invitation to be issued to all Town Boards and Committees, Police Chief, Fire Chief, DPW Director 6. Press, Social Media <ul style="list-style-type: none"> a. Invitation Flyer and Program to be published on School's Facebook by N. Nial. S. Iovanni to issue press release for the Patch, Wicked Local and Independent for May 25 edition. 7. K. Lyons will provide shovels and hardhats 8. Event location will be on the side of the school, outside the cafeteria 9. K. Lyons will arrange to have a pile of soil placed in the vicinity 10. J. Macero will coordinate refreshments with the cafeteria staff
27.2	Record	Next PR Subcommittee Meeting: May 9, 2022 at 3:00pm - Remote

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: New Stoneham High School Project No.: 20033
 Prepared by: Joel Seeley Meeting Date: 3/14/2022
 Re: Trade Contractor Prequalification Committee Meeting Time: 6:15pm
 Location: Central Middle School Library Meeting No: 01
 Distribution: Attendees (MF)

Attendees:

PRESENT	NAME	AFFILIATION
✓	Douglas Gove	Community Member with Engineering Experience
✓	Paul Ryder	Community Member with Construction Experience
✓	April Lanni	Town Procurement Officer / MCPPO Certified
✓	Brooke Trivas	Perkins and Will
✓	Kristy Lyons	Consigli Construction
	Robert Smith	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
1.01	Record	Call to Order, 6:15 PM, meeting opened.
1.02	Record	A motion was made by P. Ryder and seconded by D. Gove to nominate A. Lanni as the chair of the Trade Contractor Prequalification Committee. No discussion, motion passed unanimous.
1.03	Record	J. Seeley reviewed the Early Site Package Electrical Trade Contractor Prequalification Timeline, attached.
1.04	J. Seeley K. Lyons	<p>J. Seeley reviewed the draft Request for Qualifications for Electrical Trade Contractor Work for the Early Site Package, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> J. Seeley to edit to have questions and inquiries submitted to A. Lanni. J. Seeley to edit to have the RFQ Interest Form submitted to A. Lanni. K. Lyons to provide the estimated construction cost for the electrical trade work. <p>A motion was made by P. Ryder and seconded by D. Gove to approve the Request for Qualifications for Electrical Trade Contractor Work for the Early Site Package with the edits noted. No discussion, motion passed unanimous.</p>
1.05	Record	Next Trade Contractor Prequalification Committee Meeting: April 25, 2022 at 6:00 pm.

Project: New Stoneham High School

Meeting Date: 3/14/2022

Meeting No.: 01

Page No.: 2

Item #	Action	Discussion
1.06	Record	A Motion was made by B. Trivas and seconded by K. Lyons to adjourn the meeting. No discussion, motion passed unanimous.

Attachments: Early Site Package Electrical Trade Contractor Prequalification Timeline, Draft Request for Qualifications for Electrical Trade Contractor Work for the Early Site Package

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

1000 Massachusetts Avenue
Cambridge, MA 02138
617.547.5400

www.smma.com

MEETING MINUTES

To: Stoneham Project Team Members

From: Michael Beauchesne

Meeting Subject: Tech Space Review – 2/10/2022

Memo Date: 2/12/2022

Attendees:



The following topics were discussed:

Space Review

- Action By: **Bala**
 - Data systems manager office will not require additional data drops (2 per desk)
 - Provide additional data drops and power in Tech Support space

Classrooms

- Action By: **For Record**
 - Audiovisual systems in typical classrooms include a display on a mobile cart, wireless sharing capabilities and speech reinforcement system
 - Wall phones will be mounted adjacent to the door
 - Confirmed use of analog clocks instead of digital clocks
 - Prefer with plastic face to write on with dry erase markers
 - No need for day 1 video conferencing capabilities within the classrooms

- If needed day 2, cameras can be added to the existing displays and audio sent through the Lightspeed Topcat speech reinforcement system
- Action By: **P+W, Bala**
 - Specialty classrooms to be reviewed by P+W for mobile cart displays or wall mounted options
 - Bala to include wall mounted or mobile displays per classroom as currently shown in architectural model for DD.
- Action By: **Bala**
 - Quad power will be provided at the counter for student device charging, adjacent to the data

Conference Rooms

- Action By: **Bala**
 - Include video conferencing as alternate in Bala's 274100 audiovisual scope for breakout pricing

Maker Space

- Action By: **P+W, Bala**
 - P+W reviewing design with Stoneham and will provide update to Bala and Edvance when completed
 - Bala to include audio system, projector, and projection screen in DD

MDF/IDFs

- Action By: **For Record**
 - Moving the district head end and/or upgrading district head end equipment is not within the project scope.
- Action By: **John Bowen**
 - John will connect with RCN so they can provide a plan and pricing to extend district fiber to the new HS.
- Action By: **Doug Faria**
 - Doug will connect with John Bowen and Kathy Martin regarding network hardware specifics. Network switches will be Aruba.
- Action By: **Bala**
 - One additional four post rack is required to accommodate any equipment that needs to be relocated to the new HS MDF.

Spartan Stadium/Press Box

- Action By: **Kathy Martin, Bala**
 - Kathy reviewing requirements internally and will report back to the team
 - Bala to include industry typical system in DD

TV Studio

- Action By: **Kathy Martin, P+W, Bala**
 - Kathy and P+W reviewing requirements internally and will report back to the team
 - Bala to include industry typical system in DD

Digital Signage

- Action By: **Kathy Martin, Bala**

- Kathy reviewing locations and quantity internally and will report back to the team
- Bala to capture locations shown on P+W model for DD
- Action By: **Kathy Martin**
 - School still reviewing options for content (Magicinfo or similar, hardware based, Google Docs etc.)
 - Someone within the school to be responsible for content to avoid blank screens
 - Bala to include industry typical system in DD

Digital Trophy Room

- Action By: **Kathy Martin, Bala**
 - Kathy reviewing requirements internally and will report back to the team
 - Bala will not include any audiovisual systems for DD

WLAN Coverage

- Action By: **Kathy Martin**
 - Kathy will discuss locations with Bryan and report back to P+W
- Action By: **Bala, School**
 - Bala to review plans and add exterior wireless coverage around building
 - Stoneham to review Bala's plans and provide comment once complete
 - Bala to include exterior access points in DD

Open Items

- In depth audiovisual reviews required for Auditorium, Gymnasium, TV Studio, and Spartan Stadium Press box required with the owner
 - Bala to include industry typical systems in DD

Stoneham Video Production Meeting Minutes

Meeting Details

Date Issued:	5.4.2022	Next Meeting:	TBD
Meeting Date:	5.3.2022	Project Name:	Stoneham High School
Meeting Time:	02:00 PM	Project Number:	153010.000
Meeting Location:	Microsoft Teams	Attendees:	Amy Brough Palmerino Stoneham John Macero Stoneham Brian Lombardi Stoneham Kathy Martin Stoneham Chris Serino Stoneham Brooke Trivas Perkins&Will Brad Pineau Perkins&Will Mirelle Botros Perkins&Will Michael Beauchesne BALA Matthew Ezold BALA

Meeting Notes

1. Review AV Budget / Stoneham Feedback on Documents

- a. 4K is requested by the Stoneham team and currently included in scope
- b. Two (2) wireless microphones included in scope, but system can accept up to 4
- c. Preschool areas - what equipment do we have to bring over
 - i. AARP equipment
 - ii. Kathy - can we document / decide which equipment could be brought over so we can directly Wasn't sure about this
 - Stoneham to review and advise how affects AV budget
- d. Four (4) encoders/decoders included in scope so feeds from other spaces can be incorporated in to the control room (gym, blackbox, stadium, etc.)
 - i. Portable camera systems have not been included in AV budget

2. Review of needs list

- a. Stoneham to provide a bullet point "needs list" for BALA to review and incorporate. The following areas were mentioned in the call:
 - i. Stadium
 - Just one stadium (not all stadiums)
 - Currently have "Spartan Stadium" included in scope and it is audio only. No video has been included
 - ii. Auditorium

Stoneham Video Production Meeting Minutes

Stoneham High School

Meeting Date: 03.25.2022

- PTZ camera, audio, and ties to control room have been included
- iii. Black Box
 - Could be used for school committee meetings
 - In scope is a completely portable audio system with multiple connection points for different seating configurations and small control room for recording
 - No presentation or video capabilities
- iv. Gym
 - Large indoor events
 - Camera and audio system in scope
 - Currently can't do two camera feeds at once, can use portable cameras to record off site and bring recorded information
- v. Podcast Room
 - Tight space / taking away from storage space
 - Ideal layout would have more space for control room and AV storage room (i.e. no Podcast room)
 - "Thinner" table requested to allow for more maneuvering clearance
 - PW to review table and room layout for ADA clearances
 - PW to coordinate storage requirements with BALA/Stoneham

3. Next Steps

- a. Stoneham to review what studio equipment they could potentially get through grants or other means and taken out of the overall studio budget
- b. BALA to further define equipment budgets for the entire AV scope
- c. BALA to put together document on supported use cases for the studio/control room
- d. P+W to review pipe grid in studio space to see if budget allows

Stoneham Video Production Meeting Minutes

Meeting Details

Date Issued:	4.6.2022	Next Meeting:	TBD
Meeting Date:	3.25.2022	Project Name:	Stoneham High School
Meeting Time:	01:00 PM	Project Number:	153010.000
Meeting Location:	Microsoft Teams	Attendees:	Amy Brough Palmerino Stoneham TV Chris Serino Stoneham School Dept Brooke Trivas Perkins&Will Brad Pineau Perkins&Will Joel Seeley SMMA Michael Beauchesne BALA Nicholas Stefantsiv BALA Matthew Ezold BALA

Meeting Notes

1. Introductions

2. Review of existing Stoneham TV / AV studios

- a. Basic room currently
- b. Moving to school / trying to generate interest / get studio off the ground
- c. Is not a dedicated studio space
- d. Not a lot of portable equipment
- e. No equipment that will be brought over
- f. Brand new revived program in new location

3. Review of Design Development Plans

- a. Video Production B225
 - i. Teacher desks are not traditional in this room - what does teacher need?
 - Dedicate space would be helpful for grading/privacy
 - Podium
 - Stoneham: Podium not required in classroom
 - ii. Goal of display is overflow from studio and presentation for classes only (no overflow from student workstations)
 - PW to review layout and provide teacher station
- b. Video Room C226
 - i. Soft lights to be provided in AV budget - arch lighting to coordinate with this lighting

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- PW to review with BALA revised budget / coordinate with arch lighting in space
- c. Control Room C225
 - i. Announcements from Video room / ideally a daily broadcast
 - ii. If (3) folks in the control room - (1) window and (2) as monitors
 - PW to reduce window expanse so only (1) chair gets the window
 - iii. Getting pinched - shrink video room - racks backed up
 - BALA to provide guidance on clearances/requirements for this room for PW implementation
 - iv. Flip the storage and podcast room
 - PW to revise drawings
 - Rack front to face control room; rack back to face AV storage room
- d. Isolation Booth C224
 - i. Stoneham to review requirements and provide info back to the design team
- e. AV Storage C223
 - i. AV racks - go down to 2 racks?
 - BALA to review rack size / provide for PW to incorporate into design

4. Review of AV / DD Budget, Lighting, and Technology

- a. Stoneham wants:
 - i. 3 cameras; lights; full equipment selection
 - ii. Soft lights to be on small DMX control switch to be included in AV equipment list
 - iii. Portable cameras in addition to studio cameras
- b. Priorities for budget
 - i. Architecture/infrastructure
 - ii. Racks
 - iii. Soft lighting and cameras
- c. BALA to revise / update budget to accommodate priorities and studio lighting requested

5. Review rooms / spaces controlled and tied into Control Room C225

- a. Every room hard lined for video broadcast (Stoneham request)
 - i. Not realistic with budge
 - ii. Current options would require teachers open an app or web interface to stream. A hardware-based system is not in budget
 - BALA to include an IP streaming device to allow to teachers to connect and display on their individual classroom displays
 - iii. Auditorium / Gym/Press Box/Performance/Band Room
 - All to be tied into the IT network for audio/video control from the control room
 - No cameras have been included for the Press Box/Performance Room/Band Room, those to be audio only. See below
 - iv. Culinary/Media Center/Principals Office/All other spaces
 - These spaces will have data connections that could be used for overflow A/V capabilities on the network and sent to/from the control room
 - These spaces can also be handled via portable camera systems to be recorded and edited at a later date

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- BALA to review option to allow for remote operator intercom to be reviewed
- BALA to review portable systems against budget

6. Review requirements for Public Broadcast

- a. Fiber connection requested by Stoneham
- b. Fiber connection from MDF to the studio
 - i. 12 strand fiber optic cable to be added
 - Not currently shown on the drawings and would have a cost impact
 - ii. Stoneham to follow up with town technicians and provide more information about existing fiber optic lines for BALA to review incorporation into building

7. Next Steps

- a. BALA to refine equipment list and budget based on meeting / requests
- b. Plan changes to be incorporated by BALA / PW teams to reflect room location swaps, AV racks, vision glass into studio, etc
- see above

TO: Director of Capital Planning
 FROM: Mr. John Macero
 Stoneham Public Schools
 Stoneham High School
 MSBA Project ID Number: 201802840505
 DATE: 3/15/2022
 RE: Project Funding Agreement Budget Revision Request, NUMBER 1

Pursuant to Section 3.6 of the Project Funding Agreement between the Town of Stoneham (the "District") and the MASSACHUSETTS SCHOOL BUILDING AUTHORITY (the "Authority"), the District hereby requests a revision to the Total Project Budget, Exhibit A, dated March 3, 2022, for the Stoneham High School Building Project. As required, the District has provided the information outlined in the table below to indicate the Total Project Budget categories (line items) affected, the amounts needed and the reasons for the proposed revision.

The District acknowledges and agrees that it will not seek reimbursement from the Authority for any costs that exceed the already approved line item limits set forth in Exhibit A until after the Authority has accepted this Total Project Budget Revision Request, and the Authority's ProPay system has been adjusted accordingly.

The District further acknowledges and agrees that in accordance with Sections 3.6 and 3.7 of the Project Funding Agreement, any revisions to the Total Project Budget will not result in an increase to the Total Facilities Grant amount set forth in Section 2.1 of the Project Funding Agreement.

The District further acknowledges and agrees that the need for these revisions to the Total Project Budget [have not/have] been identified in the OPM monthly report as required pursuant to the Contract for Owner's Project Management Services between the District and the OPM.

The District further acknowledges and agrees that all of the information contained in this Total Project Budget Revision Request has been reviewed and approved by the Town of Stoneham's School Building Committee, and it further certifies and acknowledges that the funds to pay for the costs associated with these proposed revisions are available as indicated by the signatures noted below.

Table 1: Owner's Contingency Budget Revision

Use Table 1 below for identification of expenditures against the Owner's contingency. The Total Owner's Contingency in the Current Total Project Budget, Exhibit A of the PFA dated 8/18/2021 is \$189,593,594. (Please attach all supporting documentation, e.g., executed contracts, amendments and/or supporting invoices for reimbursable expenses)

From Classification Code	From Classification Name	To Classification Code	To Classification Name	Budget Revision Amount	Reason for transfer	Amount Remaining in Owner's Contingency	MSBA USE ONLY		
							Ineligible/Cost/Scope Items excluded from the Total Facilities Grant		
							New Scope Exclusion	Transfer Scope Exclusion	Note if any

Table 2: Construction Contingency Budget Revision

Use Table 2 below for identification of expenditures against the Construction Contingency. The Total Construction Contingency in the Current Total Project Budget, Exhibit A of the PFA dated XX-XX-XXXX is \$XXXXXX. (Please attach all supporting documentation, e.g., executed contracts, amendments and/or supporting invoices for reimbursable expenses)

From Classification Code	From Classification Name	To Classification Code	To Classification Name	Budget Revision Amount	Reason for transfer	Amount Remaining in Construction Contingency	MSBA USE ONLY		
							Ineligible/Cost/Scope Items excluded from the Total Facilities Grant		
							New Scope Exclusion	Transfer Scope Exclusion	Note if any

Table 3: Budget Revisions not originally from Owner's or Construction Contingency

Use Table 3 below for identification of expenditures not originally from Owner's or Construction Contingency. The Current Total Project Budget, Exhibit A of the PFA dated 8/18/2021 is \$189,593,594. (Please attach all supporting documentation, e.g., executed contracts, amendments and/or supporting invoices for reimbursable expenses)

MSBA USE ONLY

From Classification Code	From Classification Name	To Classification Code	To Classification Name	Budget Revision Amount	Reason for transfer	Amount Remaining in Revised Budget Line	Ineligible/Cost/Scope Items excluded from the Total Facilities Grant		
							New Scope Exclusion	Transfer Scope Exclusion	Note if any
0004-0000	Other	0003-0000	Enviromental & Site	\$14,193.00	Revisions 3 & 4 of the FSA - was to consolidate the unused balance and accommodate additional survey work	\$50,807.00			

Notes (applicable where marked in corresponding rows of tables above)

- 1.) This budget transfer has already been incorporated into the ProPay budget as accepted in PFA Bid Amendment. All items noted as N/A in exclusion columns; no budget revision request to be entered into ProPay.

- 2.) The exclusions noted in this BRR are not new exclusions, but rather maintain the overall amount of excluded costs in the Total Project Budget without increase. An exclusion amount equal to the amount of the buyout savings entered in GMP contingency will be reduced in the divisions of the construction budget, offsetting the buyout savings amount, in order that the total excluded amount does not increase as a result of the transfer of buyout savings.

- 3.) The exclusions noted in this BRR are not new exclusions, but rather maintain the overall amount of excluded costs in the Total Project Budget without increase. An exclusion amount equal to the amount of the exclusions shown in this BRR will be reduced from the Constructon Contingency line item, offsetting the amount being added to the Construction Change Order line item shown in this BRR, in order that the total excluded amount does not increase as a result of the budget transfers included in this BRR. Therefore the 1% or 2% potentially eligible Construction Contingency amount, whichever is applicable to this project, will not be reduced by this BRR.

By signing this Total Project Budget Revision Request, I hereby certify that I have read and understand the terms of this Request and further certify that the information supplied by the District in the tables is true, accurate and complete.

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Dennis Sheehan

By (Please Print):

Title: Chief Executive Officer

Date:

3/22/22

Philip M. ...

By (Please Print):

Title: Superintendent of Schools

Date:

3/22/22

Jaimie Wallace

By (Please Print):

Title: Chair of the School Committee

Date:

3/22/2022

MASSACHUSETTS SCHOOL BUILDING AUTHORITY

John F. Jumper Jr.

By (Please Print): John F Jumper Jr.

Date: 4/28/22

Title: Director of Project Management