

WELLINGTON SCHOOL BUILDING COMMITTEE  
MINUTES  
January 17, 2018  
Wellington School Community Room  
7:30 AM

RECEIVED  
TOWN CLERK  
BELMONT, MA  
2018 MAR 21 PM 3:34

**Meeting #188**

Committee Members Attending: John Bowe, Pat Bruschi, Mark Haley, Bill Lovallo, Heidi Sawyer, Eric Smith

Liaisons Attending: Pat Goddard, Job Interim Project Manager, Annemarie Stewart, Interim Principal

Clerk: Chris Kochem

Guests: Denise Findlay, House Doctor OPM from Pinck & Co.; Russ Feldman, House Doctor architect from TBA Architects, Inc. Pinck & Co., Bob Berens, Acentech

*Mark Haley, Chair, called the meeting to order at 7:30 a.m.*

**Discussion of work for summer 2018 for sealing of classroom ceiling flutes, acoustic panels in cafeteria and corridor**

TBA is going to discuss the panels. They were asked to explore if banners would help with acoustical noise.

**Contracts for Door Hardware project and consultants need approval/signatures**

Denise Findlay reported that there is a \$70,000 bid cost to do the door gaskets. Committee members were pleased that this amount is much lower than the estimate, which was based on the pilot cost. This project will be done during March during a 3-11 pm shift. A preconstruction meeting will be set up and either Mark Haley or Pat Bruschi will attend. The project may take up to two months and the contractor knows that work could be done during the day during the April vacation week.

*Bill Lovallo made a motion to approve the contract with New England School Services, Inc. for \$70,000 to install gaskets on all the wooden doors at the Wellington School. Eric Smith seconded the motion and it was unanimously approved.*

**TBA - panel elevations/information**

Russ Feldman presented the Tectum product that is being proposed to add soundproofing to the flutes and panels on the walls, at the ceilings. While the cost of the 3 inch Tectum is slightly more than the 2 inch Tectum, the labor cost is the same so he is proposing that the committee select the 3 inch size. Therefore, if there is a 1" panel currently on the wall, it will be 4" away from the wall when done and, where there is no panel, it will be 3" away from the wall.

There was also discussion about the lights that are at the top of the wall in the atrium. The depth of the tectum may impact the lights. There was agreement to consider changing this lighting to LED lighting while the work is being done in that area of the building. This makes sense because the location of the lights is difficult to access and there would be long-term energy savings.

The bid documents are being prepared.

**TBA and Acentech to discuss the BWSBC's thoughts on adding vertical banners / ACT to the Cafetorium metal deck for additional noise reduction**

Bob Behrens, Acentech, discussed that tectum can be added to the walls in cafetorium and will make a big difference in the noise level in that space. He noted that cloth banners, which probably will not make an appreciable difference in noise, can be added at any time. Russ Feldman noted that the banners could affect the layout of the sprinklers. There was general agreement that the committee does not want to do banners at this time.

**PCI review project estimates for 2018 for Acoustical Panels, Metal Deck Flutes and Door Gaskets**

Denise Findlay passed out a 2018 Estimate Total Project Budget with an amount of \$497,060. She noted that the flute infill cost in this budget (\$131,890) is much higher than the contract that was just approved for door gaskets, which was \$70,000.

*Bill Lovallo made a motion to send the flute infill project and the cafetorium/atrium acoustic treatment project out to bid as a single project. Eric Smith seconded the motion and it was unanimously approved.*

**PCI review project schedules**

The committee discussed the document titled 'Wellington schedule' for 2017 and 2018. Discussion included the Doors and Phase 2, Flutes and Panels.

**PCI review tasks for the Flute project (contractor vs. in-house staff) to be discussed with Fred Domenici**

Pat Bruschi will discuss this with John Phelan and will report to Pinck so it can be coordinated with bid documents.

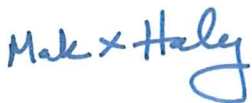
**Question about Recommissioning**

Bill Lovallo asked Pat Goddard to find out if a recommissioning has been scheduled for the Wellington School. Pat Goddard reported that Mark O'Brien from SMMA was at the Wellington the day before and, according to Mr. Goddard, they were going through the building. Mr. Lovallo asked if there was an agreement in place, what is the scope and, may the committee see the scope? The WBC requested that Pat Goddard provide an update about a possible reconditioning of the Wellington School at the next WBC meeting.

Eric Smith left the meeting at 8:42 a.m.

*Bill Lovallo made a motion to adjourn at 8:45 a.m. Pat Bruschi seconded the motion and it was unanimously approved.*

Respectfully submitted,



Mark Haley  
Chair



## 16\_27 Belmont Wellington School Interior Noise Mitigation Project

### 2018 Estimate Total Project Budget

Soft Costs	\$104,170
Door Gasket project	
Contract Award	\$70,000
Flute Infill project	
Estimated materials	\$40,090
Estimated labor	\$79,800
Design Contingency (~ 10%)	\$12,000
Cafetorium & Atrium Acoustic Treatment project	
Estimated materials	\$70,000
Estimated labor	\$70,000
Design Contingency (~ 10%)	\$15,000
Change Order Contingency (~ 10%)	\$36,000
<b>2018 Estimated Total Project Budget</b>	<b>\$497,060</b>

Wellington schedule		2017		2018							
Description		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
DOORS Contractor Award NTP				1/17							
Contractor work											
Product Leadtime (4 wks)											
Construction											
Note: Potential 4/16-4/20 day work											
Evening shift											
4/14-4/20 day shift											
Phase 2 Flutes and Panels											
CDs - Draft											
TBA submit docs for review				1/16							
PCI, Belmont Facilities (BF) review by				1/19							
WSBC review				1/19							
WSBC, BF, PCI Review due				1/24							
CDs - Final											
Comments / changes made				1/25							
Belemont add front end											
CR submitted for advertisement				1/24							
Bid advertised in CR				1/31							
Bid docs available					2/7						
Bid advertised in Belmont Herald					2/8						
Pre-bid at Wellington 3pm					2/14						
Written questions due					2/16						
Bids due Facilities Office 3pm					2/21						
Bid Review / Contract Award											
Team review											
BF, TBA, Pinck											
WSC											
Contractor award											
Contractor work											
Product LT 6-8 wks											
Summer Recess 6/24 - 8/8/18											



## TECTUM FINALÉ ACOUSTICAL PERFORMANCE

Panel Type	SOUND ABSORPTION COEFFICIENTS						NRC	SAA
	125	250	500	1000	2000	4000		
1" Finalé w/MinWool (2" Overall Thickness)	.13	.49	1.04	1.05	.87	.95	.85	.87
1 1/2" Finalé w/MinWool (2 1/2" Overall Thickness)	.17	.62	1.13	.94	.90	.90	.90	.90
2" Finalé w/MinWool (3" Overall Thickness)	.27	.88	1.23	.85	.99	.88	1.00	.97

## TECTUM FINALÉ PRODUCT DETAILS

Panel Type	Nominal Thickness* (Inches)	Actual Size (Inches)	Edge Detail	Factory Finish	Light Reflectance	Flame Spread	Weight P/SF
Finalé w/MinWool	1"	Widths: 23 3/4", 47 3/4" Lengths: 48" - 144"	Long Edges Beveled	White, Natural, Custom Colors	.75 / .60	0-25	3.00
	1 1/2"						4.00
	2"						5.00

\* Thickness includes the Tectum panel only; add 1" for finished size.

## ENVIRONMENTAL STATEMENT

### TECTUM PRODUCTS' COMPOSITION

The wood fibers (excelsior) used in Tectum panels come from Wisconsin aspen trees. The Wisconsin aspen is a self-propagating tree. When cut, a new tree will begin to grow back from its root structure. In addition, all Wisconsin Aspen used for Tectum is air-dried. No drying kilns are used. The wood is stored in racks to age naturally. No chemicals are used in the production of any excelsior purchased by Tectum Inc.

All excelsior used in Tectum products comes from a single source that is Forest Stewardship Council certified. These programs are a comprehensive system of objectives and performance measures that integrate the perpetual growing and harvesting of trees with the protection of wildlife, plants, soil and water quality. All loggers are trained to adhere to FSC principles.

Magnesium oxide is mixed with magnesium sulfate (Epsom salts) to form the primary binder. The magnesium sulfate solution has been manufactured on site by reclaiming waste materials since production began in 1949. The secondary binder is composed of sodium silicate and calcium carbonate (limestone). All of the water used in the manufacture of Tectum is captured and recycled.

### MORE INFORMATION

For complete information about Tectum products and LEED, please see our Marketing Bulletins M-81 (Tectum Products and LEED Certification) and M-83 (Tectum Products and LEED Q & A) or our Environmental Statement. All of these materials are available online at [tectum.com/leed](http://tectum.com/leed).

### TECTUM PRODUCTS AND LEED

Tectum Inc. fully endorses the LEED Green Building Rating System. Our products may contribute to the following LEED credit areas:

#### Energy & Atmosphere (EA)

- Prerequisite 2:** Minimum Energy Performance
- Credit 1:** Optimized Energy Performance

#### Materials & Resources (MR)

- Credit 2:** Construction Site Waste Management
- Credit 4:** Recycled Content
- Credit 5:** Regional Materials
- Credit 6:** Rapidly Renewable Resources
- Credit 7:** Certified Wood

#### Indoor Environmental Quality (EQ)

##### Prerequisite 3 (LEED for Schools):

- Minimum Acoustical Performance
- Credit 3.1 & 3.2:** Construction IAQ Plans
- Credit 4.1:** Low-Emitting Materials, Adhesives and Sealants
- Credit 4.4:** Low-Emitting Materials, Composite Wood & Agrifiber Products
- Credit 10 (LEED for Schools):** Mold Prevention
- Credit 11 (LEED for Schools):** Low-Impact Cleaning and Maintenance Equipment Policy

#### Innovation (ID)

- Credit 1:** Innovation in Design