

NEW MILFORD BOARD OF EDUCATION
New Milford Public Schools
50 East Street
New Milford, Connecticut 06776

FACILITIES SUB-COMMITTEE
SPECIAL MEETING NOTICE

RECEIVED
TOWN CLERK
2022 NOV -4 A 9:39
NEW MILFORD CT



DATE: November 8, 2022
TIME: 6:45 P.M.
PLACE: Lillis Administration Building Board Room

AGENDA

New Milford Public Schools Mission Statement

The mission of the New Milford Public Schools, a collaborative partnership of students, educators, family, and community, is to prepare each and every student to compete and excel in an ever-changing world, embrace challenges with vigor, respect and appreciate the worth of every human being, and contribute to society by providing effective instruction and dynamic curriculum, offering a wide range of valuable experiences, and inspiring students to pursue their dreams and aspirations.

1. Call to Order

2. Public Comment

An individual may address the Board concerning any item on the agenda for the meeting subject to the following provisions:

- A. A three-minute time limit may be allocated to each speaker with a maximum of twenty minutes being set aside per meeting. The Board may, by a majority vote, cancel or adjust these time limits.
- B. If a member of the public comments about the performance of an employee or a Board member, whether positive, negative, or neutral, and whether named or not, the Board shall not respond to such comments unless the topic is an explicit item on the agenda and the employee or the Board member has been provided with the requisite notice and due process required by law. Similarly, in accordance with federal law pertaining to student confidentiality, the Board shall not respond to or otherwise discuss any comments that might be made pertaining to students.

3. Items for Information and Discussion

- A. NMHS Updates
- B. NV5/ESG Update
- C. Lillis Building

4. Public Comment

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5. Adjourn

Sub-Committee Members: Brian McCauley, Chairperson
Eric Hansell
Pete Helmus
Tom O'Brien

Alternates: Olga I. Rella
Keith A. Swanhall, Jr.

NEW MILFORD PUBLIC SCHOOLS



Facilities Subcommittee Report

November 8, 2022

Items for Information and Discussion

A. NMHS Update

Belfor Property restoration has completed the upper third floor hallway and that is now opened to foot traffic between the East and West halls and classrooms. They continue to work on completed rooms 3204 and 3205. Finishes for cabinets and countertops have been selected by the Administration team and Staff. Casework for the science rooms and several standard classrooms is tentatively scheduled to be replaced during the winter recess in December.

Roofing contractor Greenwood Industries continues to work on flat roof perimeter flashing, roof drains, and the standing seam metal roof. They are currently working on several areas of the building simultaneously. (Please reference the attached map). Weekly meetings are held discussing what areas are being worked on to coordinate with parking and entrance accessibility. During drop off and pick up no equipment is moved in order to avoid interfering with the arrival and dismissal process. No final timetable for the overall completion of this project has been submitted as of this writing.

Attached are recommendations and cost estimates provided by Silver/Petruccelli and Associates for HVAC code upgrades within the High School woodshop. Money for A&E fees in the amount of \$33,845 would first need to be allocated if the Board wishes to hire Silver/Petruccelli for these services with an additional \$200k approved for the overall estimated project.

B. NV5/ESG Update

Currently ESG is installing solar panels on Hill and Plain School. They have commissioned the new boilers at the High School and Sarah Noble. BMS (building management systems) are being upgraded and brought online. The lighting ECM (energy conservation measures) have not been 100 percent completed to date and are expected to be fully commissioned by December. Ballast, concrete blocks, to hold down solar panels at Sarah Noble have been delivered but solar panel installation has not begun. There is no timeline for their installation as of this writing.

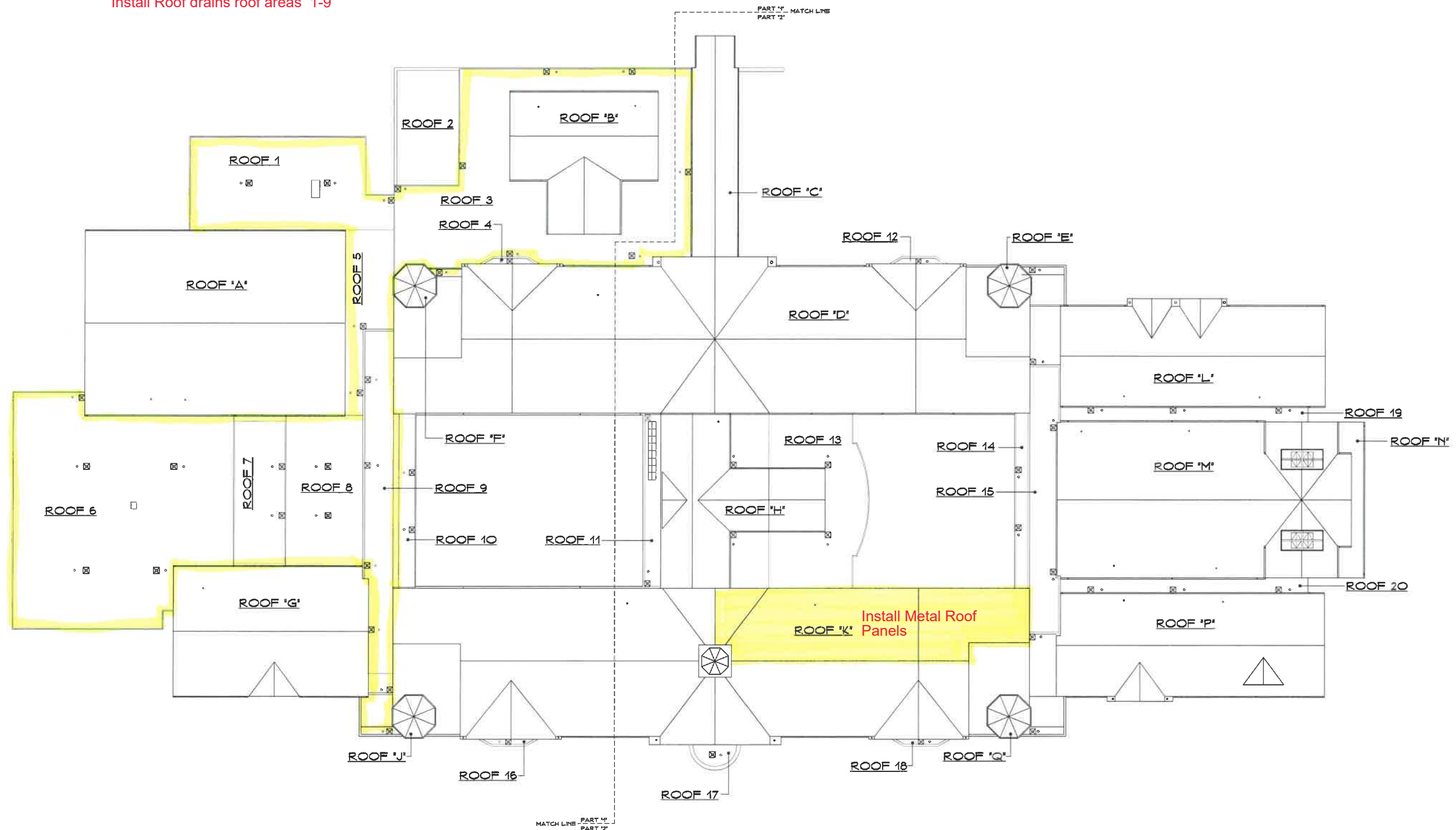
C. Lillis Building

Internal moving of classrooms at Sarah Noble was completed on October 29th. This created space for the migration of Central Offices which has already begun. Weather permitting, IT and Human Resources will be up and running at Sarah Noble on 11/7, followed by the Business Department on 11/14 and the Superintendent and Assistant Superintendent Offices on 11/21. Additional moves will be conducted thereafter for miscellaneous items in storage that are not high priority for day to day office operations. Dividers to create department head offices within the classroom space are being ordered. Signage and a door buzzer intercom system have also been ordered.

Flash walls and curbs/ misc flashings
roof areas 1-9

Install Roof drains roof areas 1-9

1 Week look ahead
week ending 11- 12



Project Title:
Town of New Milford
New Milford High School Partial Roof Replacement
388 Danbury Road
New Milford, Connecticut 06776



SILVER / PETRUCCELLI + ASSOCIATES
Architects/ Engineers/ Interior Designers
3190 Whitney Avenue, Hamden, CT 06518-2340
One Post Hill Place, New London, CT 06320
Tel. 203 230 9007 Fax. 203 230 8247
silverpetrucci.com

Revision	Description	Date	Revised By

Drawing Title: Overall Roof Plan
Date: 3/12/2021
Scale: 1/8"=1'-0"
Drawn By: K. LINSLEY
Project Number: 49.926
Drawing Number: A1
STATE PROJECT # 096-0036RR

New Milford High School

Wood Shop H.V.A.C. Recommendations

**388 Danbury Road
New Milford, Connecticut 06776**



Draft Report, July 25, 2022

Prepared by:



Silver Petrucelli & Associates, Inc.

Architects / Engineers / Interior Designers

3190 Whitney Avenue

Hamden, CT 06518

P: (203) 230-9007

F: (203) 230-8247

Objective

Silver Petrucelli & Associates have been retained by the Town of New Milford, Connecticut, to perform a study of the HVAC system serving the wood shop area. Currently the shop is not being used due to a recent fire and smoke event in the wing that houses the wood shop. Modification to the HVAC system and renovations to the existing space will need to be addressed and approved by the local AHJ before the wood shop can be reused.

Existing Systems

The existing wood shop is conditioned by an air handler located in a mechanical mezzanine room located above the first floor. The existing air handler unit has hot and chilled water coils connected to the main water distribution loops from the existing heating/chilled water plant. This area of the building has a plenum return above the ceiling for return air to get back to the existing mezzanine air handling system. There are two round 18" spiral ducts which provide conditioned air in the wood shop and three 38" x 20" sidewall return grilles mounted on the back wall that will need to be removed and patched. There are two hot water unit heaters serving the wood shop.

In addition, the existing dedicated dust collector system in the space doesn't comply with current code requirements and will need to be relocated to the outside. The existing exhaust fan dedicated for the paint booth doesn't meet current code requirements and will need to be relocated as well. All work related to the paint booth system will be treated as an add alternate, since there is no firm decision made to re-instate the paint booth program.

Recommendation for the Wood Shop

It is our recommendation is isolate the wood shop air system from communicating with all nearby spaces and to provide a dedicated heating and ventilating (H&V) system that meets the heating and ventilating design loads for this area. In doing so, we would disconnect and selectively demolish existing duct work serving the wood shop from the existing air handler system and provide two new air handlers at 2000 CFM each with hot water coils and outdoor air connections. These would be hung from the structure in the wood shop and be reconnected to the ducts serving the space. As a result, the two existing hot water unit heaters in the wood shop will be disconnected and removed. It has been determined that no additional cooling will be added to this system. Repatching all existing wall openings in the wood shop will be required in order to seal the previous plenum connections to the adjacent space. The existing dust collector located inside the wood shop doesn't comply with current code requirements and allows dust to be ejected from the filter bank while being serviced and emptied. It is our recommendation to provide a new shaker-type dust collection system mounted on a concrete pad at grade located outside with ducted return air routed back into the wood shop. This shaker type of dust collector system is more efficient and does not require a secondary filter. An inspection, testing, and

maintenance program shall be developed to ensure that fire and explosion protection systems are in accordance with NFPA 664 chapter 9.

Recommendation for the Paint Booth Area

It is our recommendations to provide a dedicated make-up air unit with hot water coils hung from the structure above the ceiling. The make-up air unit shall be interlocked and run simultaneously with the existing fume exhaust fan serving the paint booth. The current location for the existing exhaust fan for the paint booth does not comply with the current code requirements and shall be relocated to the wood shop roof to be placed into compliance. Code dictates that the termination points of all ducts conveying explosive or flammable vapors shall be located with the following minimum distances; 10 feet from operable openings into the building, 6 feet from exterior walls and roof, and 10 feet from above adjoining grade. All modifications for the paint booth can be done as an add alternate based on the available budget and decision to keep the program active.

General

The systems will be designed in accordance with the State Building Code, which include the following: 2015 International Building Code, 2015 International Mechanical Code, 2015 International Energy Conservation Code, the systems will also be designed in accordance with the applicable provisions of the Connecticut Fire Safety Code and other applicable standards, ordinances, and regulations.

All new project designs after October 1, 2022 will be designed in accordance with the anticipated 2022 State Building Code, which will include the following: 2021 International Building Code, 2021 International Mechanical Code, 2021 International Energy Conservation Code.

Estimate

An Opinion of Probable Cost to Construct can be found on the following page.

New Milford High School Wood Shop

Issued **Jul 20, 2022**

388 Danbury Road, New Milford, CT

revised 8/1/22

Job No: 21.373

OPINION OF PROBABLE CONSTRUCTION COST

Phase: **Schematic Design**

Project type: **Renovation**

TOTAL RENOVATED SPACE 2,000 SQUARE FEET

SECTION NUMBER	WORK CATEGORIES	QTY.	UNIT	MATERIAL/LABOR COST		ALLOWANCE	TOTAL \$
				UNIT \$	TOTAL		
DIVISION ONE - General Requirements							
	STATE PERMITS (2%)			\$2,612.00	\$2,612		\$2,612
	100% PAYMENT & PERFORMANCE BOND (1.5%)			\$1,959.00	\$1,959		\$1,959
	LIABILITY INSURANCE (1.5%)			\$1,959.00	\$1,959		\$1,959
	DAILY FINAL CLEANING	2,000	SF	\$0.25	\$500		\$500
	RUBBISH REMOVAL/ DUMPSTER	1	EA	\$2,000.00	\$2,000		\$2,000
DIVISION ONE SUB-TOTAL						\$9,030	
DIVISION FOUR - Masonry							
	8" CONCRETE UNIT MASONRY	50	SF	\$100.00	\$5,000		\$5,000
DIVISION SEVEN SUB-TOTAL						\$5,000	
DIVISION EIGHT - Openings							
	ALUMINUM LOUVER	1	EA	\$1,500	\$1,500		\$1,500
DIVISION SEVEN SUB-TOTAL						\$1,500	
DIVISION NINE - Finishes							
	MISC. PAINTING	1	LS	\$5,000.00	\$5,000		\$5,000
DIVISION TWENTY-TWO SUB-TOTAL						\$5,000	
DIVISION TWENTY-THREE - HVAC							
	DEMO	6	S.F.	\$2,000.00	\$12,000.00		\$12,000
	MOTORIZED DAMPER	2	EA	\$800.00	\$1,600.00		\$1,600
	HYDRONIC PIPING	1	LS	\$2,500.00	\$2,500.00		\$2,500
	PIPE INSULATION	1	LS	\$1,500.00	\$1,500.00		\$1,500
	DIFFUSERS & GRILLES	1	LS	\$1,500.00	\$1,500.00		\$1,500
	TESTING & BALANCING	2.5	S.F.	\$2,000.00	\$5,000.00		\$5,000
	DUCT WORK	14	S.F.	\$1,000.00	\$14,000.00		\$14,000
	AIR DUCT ACCESSORIES	1	LS	\$1,000.00	\$1,000.00		\$1,000
	DUST COLLECTOR	1	LS	\$45,000.00	\$45,000.00		\$45,000
	AIR HANDLERS	2	EA	\$5,000.00	\$10,000.00		\$10,000
	ADD ALTERNATE FOR PAINT BOOTH	1	LS	\$20,000.00	\$20,000.00		\$20,000
DIVISION TWENTY-THREE SUB-TOTAL						\$114,100	
DIVISION TWENTY-SIX - Electrical							
	DEMO, REMOVAL AND RELOCATION		LS	\$0.00	\$1,200		\$1,200
	DISCONNECTS AND CIRCUIT BREAKERS		LS	\$0.00	\$1,000		\$1,000
	WIRE AND CONDUITS		LS	\$0.00	\$2,000		\$2,000
	MISC		LS	\$0.00	\$800		\$800
DIVISION TWENTY-SIX SUB-TOTAL						\$5,000	
		CONSTRUCTION SF TOTAL:					\$116.99
SUBTOTAL (INCLUDING O&P):							\$144,630
GENERAL CONDITIONS:						15%	\$21,695
CONSTRUCTION SUBTOTAL:							\$166,363
SOFT COSTS							
CONSTRUCTION CONTINGENCY						10%	\$16,636
DESIGN CONTINGENCY						10%	\$16,636
A&E FEES							\$33,845
FF&E							\$0
PRINTING							\$500
SOFT COSTS TOTAL:							\$67,618
TOTAL PROJECT COST:							\$233,980



SILVER/ **PETRUCELLI** + ASSOCIATES

Architects, Engineers, & Interior Designers

3190 Whitney Avenue

Hamden, CT 06518

Phone: 203 230 9007 ext. 200

Fax: 203 230 8247

Email: info@silverpetrucci.com