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Windsor, CT 06095

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[www.TRCSolutions.com](http://www.TRCSolutions.com)

November 6, 2018

Mr. Ben Whittaker  
East Hartford Public Schools  
Tolland Street  
East Hartford, CT

RE: Synergy School–Asbestos NESHAPS inspection

Dear Mr. Whittaker:

TRC has inspected the materials that may be disturbed during the upcoming work at the Synergy School and has taken bulk samples to satisfy the NESHAPS regulations. Attached please find laboratory results for floor tile and mastic, cove base and mastic, boiler insulation, boiler breeching insulation and mudded fittings.

The following materials were found to contain asbestos:

**Floor tile and mastic**  
**Cove base and mastic**  
**Mudded fittings**  
**Boiler insulation**  
**Boiler breeching insulation**

Chain-of custody and lab results are attached as well as a sketch showing the location of the asbestos containing materials.

If there are any questions, please call me at 860 798 4698.

Sincerely,

TRC

A handwritten signature in black ink that reads "Robert Romejko". The signature is written in a cursive, flowing style.

Robert Romejko  
Senior Project Manager

## CHAIN OF CUSTODY RECORD

PROJECT NO. 277439	PROJECT NAME E14 BOARD OF ED BARNES SCHOOL		STATION LOCATION		NO. OF CONTAINERS	PARAMETERS	REMARKS
	FIELD SAMPLE NUMBER	DATE	TIME	GRAB			
SAMPLES: (Signature) <i>R. Perry</i>							
SAMPLES: (Signature) <i>R. Romesno</i>							
01-MAS	9/12	6:45 AM		HALL	✓		MASTIC UNDER FT
02-FT	"	"		"	✓		FLOOR TILE
03-CB MAS	"	6:50		"	✓		COVE BASE MASTIC
04-" "	"	6:55		RM 33	✓		" " "
05-MAS	"	7:00		CLASS ROOM	✓		MASTIC UNDER FT
06-FT	"	"		"	✓		FLOOR TILE
07-RM	"	"		"	✓		RUG MASTIC
08-LEV	"	7:05		RM 29	✓		LEVELASTIC
09-LEV	"	7:10		RM 31	✓		" "
10-FT	"	7:15		RM 25	✓		FLOOR TILE
11-MAS	"	7:20		RM 27 CLOSET	✓		MASTIC UNDER FT
12-FT	"	"		"			12 X 12 FT
Relinquished by: (Signature) <i>R. Perry</i>		Date / Time 9/12/08 pm		Received by: (Signature) <i>[Signature]</i>		Date / Time 9/13/17	
(Printed) <i>R. Romesno</i>				(Printed) 0830		(Printed)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time	
(Printed)				(Printed)		Remarks TEM ONLY IF PLM NEG	
Condition of Sample Acceptable Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		Comments					

**Proscience Analytical Services, Inc.**

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857  
 TEM Bulk Chain of Custody Record

Date: 09/15/17

PO#: **C277439**

Client: **TRC**

Client Job#: **277439.0000.0000**

Client Job Ref./Loc.: **East Hartford BOE- Barnes School**

Relinquished by: **K. Williamson- KWilliamson@trcsolutions.com**

Received by:

Report to: **R. Romejko- BRomejko@trcsolutions.com**

Samplers Name: **R.Romejko**

Analysis Type: **Chatfield EPA N.O.B Qualitative**

Turn Around Time: **<12 Hour <24 Hour <48 Hour <3 Day 5 Day Other:**

Client ID #	Lab ID#	Description	Location	For Lab Use Only		
				Acceptable on Receipt	Comments	
11-MAS	51267	Mastic	See COC			
12-FT	51267	Tile				
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: East Hartford Board of Education

Lab Log #: 0051267  
 Project #: 277439.0000.0000  
 Date Received: 09/13/2017  
 Date Analyzed: 09/14/2017

*synergy*

Site: ~~Barnes~~ School, East Hartford, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
01-MAS	Black (mastic)	Yes	No	--	---	10%	Chrysotile
02-FT	Brown (tile)	Yes	No	--	---	10%	Chrysotile
03-CB MAS	Brown (cove base mastic)	Yes	No	--	---	ND	None
04-CB MAS	Beige (cove base mastic)	Yes	No	--	---	ND	None
05-MAS	Black (mastic)	Yes	No	--	---	10%	Chrysotile
06-FT	Brown (tile)	Yes	No	--	---	10%	Chrysotile
07-RM	Tan (rug mastic)	Yes	No	--	---	ND	None
08-LEV	Brown (leveler)	Yes	No	--	---	ND	None
09-LEV	Brown (leveler)	Yes	No	--	---	ND	None
10-FT	Grey (tile)	Yes	No	--	---	ND	None
11-MAS	Black (mastic)	Yes	No	--	---	ND	None
12-FT	Grey-Brown (mastic)	Yes	No	--	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411  
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
------------	-------	------------	---------------	-----------	------------------------	------------	---------------

Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
 NA/PS - Not Analyzed / Positive Stop  
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2018. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2018. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson      Reviewed by: Cathryn Lemire      **Date Issued**  
 Kathleen Williamson, Laboratory Manager      Cathryn Lemire, Approved Signatory      09/15/2017

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0    AIHA-LAP,LLC #100122    CT #PH-0426    ME LA-0075, LB-0071    MA #AA000052    NY #10980    WV# LT000411  
 RI #AAL-007    TX #300354    VT #AL014538    LA#05011    VA #3333 000283    AZ #A20944    HI #L-09-004    NJ #CT004    CA #2907  
 CO# AL-15020    PHIL# 461    PA#68-03387



21 GRIFFIN ROAD NORTH  
 WINDSOR, CONNECTICUT 06095  
 TELEPHONE (860) 298-9692  
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## ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009  
 Supersede Previous Edition

LAB ID #. 53011

PROJECT NUMBER	PROJECT NAME	INSPECTOR	PARAMETERS				TURNAROUND TIME									
			PLM EPA 600/R9/116 (POSITIVE STOP)	PLM EPA 600/R9/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 1984 (IF PLM SERIES NEG)	PLM:	TEM:	8hr	24hr	48hr	3day	48hr	3day	5day
<u>293648</u>	<u>SYWERY FA B0E</u>	<u>R. Romero</u>														
<u>01-BE</u>	<u>11/5/10</u>	<u>11:15</u>		<u>BOILER RM</u>	<input checked="" type="checkbox"/>											
<u>02-BE</u>	<u>11/5/10</u>	<u>11:20</u>		<u>A db</u>	<input checked="" type="checkbox"/>											
<u>03-MF</u>	<u>11/5/10</u>	<u>11:50</u>			<input checked="" type="checkbox"/>											

Relinquished by: (Signature) <u>R. Romero</u>	Date: <u>11/5/10</u>	Relinquished by: (Signature)	Date: <u>11/5/18</u>	Received by: (Signature) <u>R. Romero</u>	Received by: (Signature)
(Printed) <u>R. Romero</u>	Time: <u>1500</u>	(Printed)	Time: <u>1500</u>	(Printed)	(Printed)
Remarks:	Condition of Samples: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Comments:		



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: East Hartford Board of Education

Lab Log #: 0053011  
 Project #: 293648.0000.0000  
 Date Received: 11/05/2018  
 Date Analyzed: 11/05/2018

Site: Synergy High School, East Hartford, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
01-BI	Grey (insulation)	Yes	No	--	---	80%	Chrysotile
02-BBI	Grey (breaching insulation)	Yes	No	--	---	80%	Chrysotile
03-MF	Cream (mudded fitting)	Yes	No	--	20% mineral wool	10%	Chrysotile

Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
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 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

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Analyzed by: K. Williamson Reviewed by: Cathryn Lemire Date Issued: 11/05/2018  
 Kathleen Williamson, Laboratory Manager Cathryn Lemire, Approved Signatory

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV#LT000411  
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 CO# AL-15020 PHIL# 461 PA#68-03387



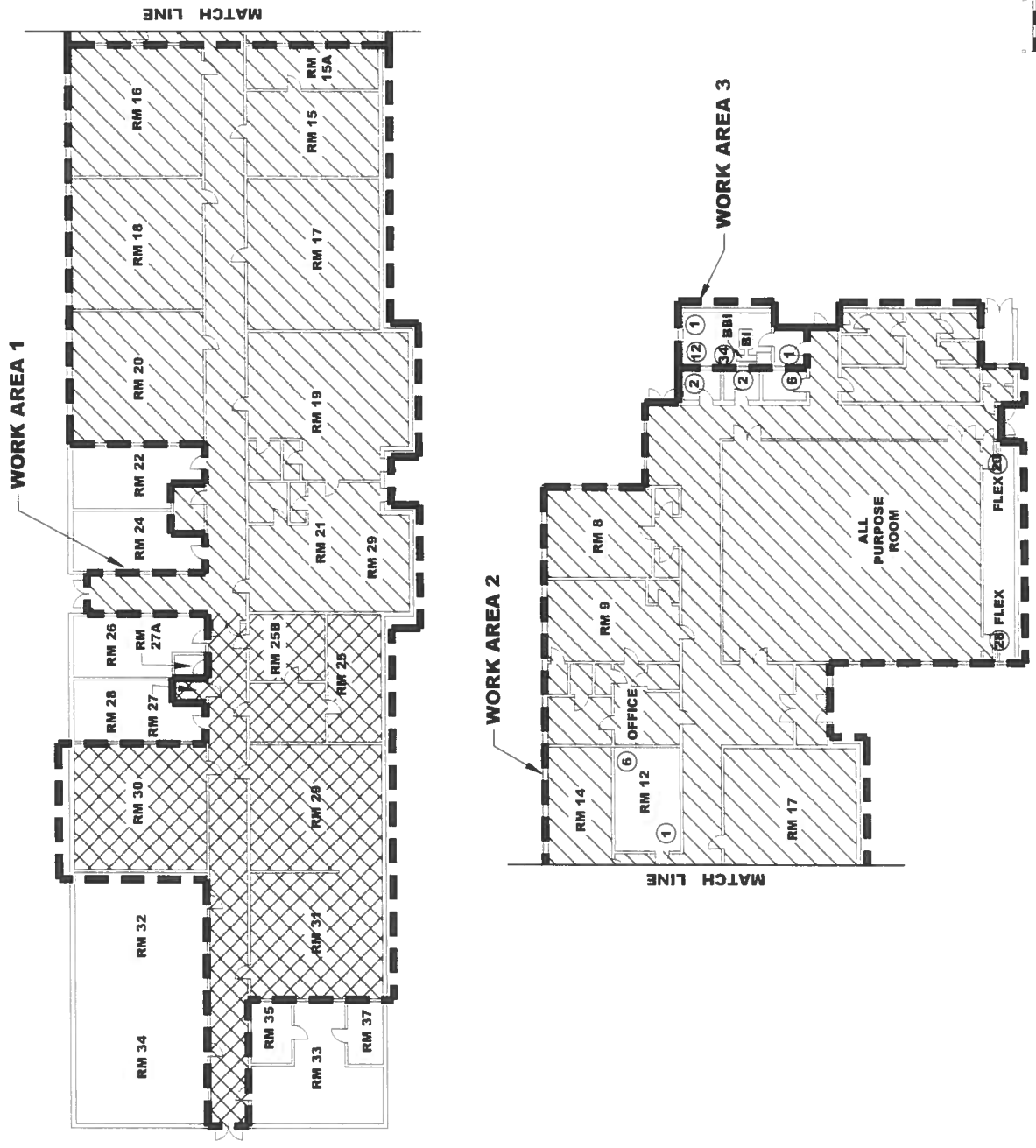
STATE PROJECT  
NO 040258 CV

**CTRC**  
21 South Road North  
Windsor, CT 06095  
(860) 296-9892

DESCRIPTION \_\_\_\_\_ DATE BY \_\_\_\_\_

ASBESTOS ABATEMENT AND RELATED WORK  
SHERBY ALTERNATE HIGH SCHOOL  
ASBESTOS ABATEMENT AND RELATED WORK  
EAST HARTFORD, CONNECTICUT 06118  
EP  
REA  
SIZ 1'-1/2" x 2"  
AUGUST 1, 2018  
220484

**ASB-001**



**GENERAL NOTES**  
REFER TO SECTION 02000  
ASBESTOS.

**WORK AREA 1** IS THE FORM OF:  
• VAT AND MASTIC (ALL LAYERS)  
• COVE BASE AND MASTIC  
UNDER CONTAMINATED WITH A PRESSURE DIFFERENTIAL AND CONTIGUOUS DECONTAMINATION UNITS. PERFORM WORK IN ACCORDANCE WITH C.T. DPH APPROVED AWP. PRESENT UTILITY SHUT BLASTING OR A CRUMBER EQUIPPED WITH A COWLING FOR MASTIC REMOVAL.

**WORK AREA 2**  
REMOVE ASB IN THE FORM OF:  
• VAT AND MASTIC (ALL LAYERS)  
• COVE BASE AND MASTIC  
• FLEX CONNECTORS  
UNDER CONTAMINATED WITH A PRESSURE DIFFERENTIAL AND CONTIGUOUS DECONTAMINATION UNITS. PERFORM WORK IN ACCORDANCE WITH C.T. DPH APPROVED AWP. GASWORK REMAINS. REMOVE CARPET WHERE PRESENT. CARPETS TO BE REMOVED UNDER CRUMBER EQUIPPED WITH A COWLING FOR MASTIC REMOVAL.

**WORK AREA 3** IS THE FORM OF:  
• BOILER INSULATION  
• BOILER BREECING INSULATION  
• MUDDED FITTINGS  
• MUIDED FITTINGS  
UNDER FULL CONTAMINATED WITH A PRESSURE DIFFERENTIAL AND CONTIGUOUS DECONTAMINATION UNITS.

**NOTE:**  
1 ALL AREA WHERE VAT, MASTIC, AND COVE BASE ARE TO BE ABATED SHALL HAVE NEW VINYL COMPOSITION TILE AND COVE SPECIFICATIONS, INSTALLED BY CONTRACTOR PER CONTRACTOR PER SPECIFICATIONS.  
2 ALL MUIDED FITTINGS, INSULATION AND CONNECTIONS THAT ARE ABATED SHALL HAVE NEW SUPPLIED AND INSTALLED BY CONTRACTOR PER SPECIFICATIONS.

LEGEND OF SYMBOLS	
(Diagonal Hatching)	VAT/MASTIC COVE BASE/MASTIC
(Cross-hatching)	CARPET GLOED OVER VAT
(Stippling)	NUMBER OF MUDDED FITTINGS
(Diagonal Dashed)	WORK AREA DEMARKATION
(Square with 'F')	FLEX CONNECTOR
(Circle with 'I')	ROILER INSULATION
(Circle with 'B')	BOILER BREECING INSULATION