



CAMPUS PLANNING, DESIGN & CONSTRUCTION

Sixth Avenue and Grant Street • P.O. Box 172760 • Bozeman, Montana 59717-2760
Phone: (406) 994-5413 • Fax: (406) 994-5665

ADDENDUM NO. 5 - OUTLINE AND SUMMARY INFORMATION

Project Name: MSU Barnard 111 – Lithography Lab
Location: Montana State University - Bozeman
Owner: State of Montana, MSU - Bozeman
Plew Building 6th and Grant, PO Box 172760
Bozeman, Montana 59717-2760

PPA No.: 25-1223
Date: 10/29/25

To: All Plan Holders of Record

*The Plans and Specification prepared by by **Cushing Terrell** dated **July 15, 2025** shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.*

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

1. GENERAL PRE-BID QUESTIONS

- a) **Question:** Plan sheet M200 under keynotes 4 and 12 calls for cold water pipe and compressed air pipes to connect at the mechanical chase, however, a specific location in the mechanical chase is not defined. Can this be clarified, in terms of distance to the specific POC location?
Answer: The distances are approximately 50' south and 21' east from the northwest corner of the chiller room to the anticipated connection locations in the mechanical chase.
- b) **Question:** Will the any of the Owner furnished equipment require floor boxes, or will all MEP connections come in from overhead?
Answer: No through floor connections appear to be indicated on the equipment install guide.
- c) **Question:** Please confirm whether ClimateMaster WSHPs, represented by Vemco, are an acceptable manufacturer for this project.
Answer: WHSP, Approved Manufacturer: Climatemaster

2. ATTACHMENTS

- a) Pre-Renovation Asbestos Inspection Report
- b) **REPLACE** sheets E001 and E400 in its entirety to clarify rough in for new data along CMU wall.
 - See attached E001 and E400.

END OF ADDENDUM



October 27, 2025

Ms. Ashna Peters
Project Manager
Planning, Design & Construction
University Facility Management
Montana State University
Bozeman, Montana

Delivered via email: asna.peters@montana.edu

SUBJECT: Pre-Renovation Asbestos Inspection Report
Rooms 110 and 111
Barnard Hall
Montana State University
Bozeman, Montana
Tetra Tech Project No. 117-001068-26002

Dear Ms. Peters:

On October 15, 2025, Tetra Tech, Inc. (Tetra Tech) conducted a pre-renovation asbestos inspection at the above-referenced site. Based on correspondence with you before the commencement of the project, Tetra Tech was instructed to inspect for suspect asbestos-containing materials (ACM) for future renovation purposes. Details of our inspection are provided below.

PRE-RENOVATION ASBESTOS INSPECTION

The pre-renovation asbestos inspection was conducted in accordance with the Administrative Rules of Montana (ARM) 17.74.354, using the currently recognized standard protocol developed under the National Emission Standards for Hazardous Air Pollutants (NESHAP) and the Asbestos Hazard Emergency Response Act (AHERA), as administered by the State of Montana Department of Environmental Quality (MDEQ).

Mr. Chanc Lawrence of Tetra Tech, MDEQ Accredited Asbestos Inspector, collected samples of suspect ACM. **Attachment A** provides his MDEQ Asbestos Inspector Accreditation.

The bulk samples were shipped, along with the completed chain of custody (COC) documentation, to Crisp Analytical of Carrollton, Texas, for the analysis of asbestos fibers by polarized light microscopy (PLM) using U.S. Environmental Protection Agency (EPA) Methods described in 40 CFR Part 763 Appendix E Subpart E (Interim and EPA 600/R-93 / 116 (Improved)). A copy of the bulk asbestos laboratory analytical report and COC is provided in **Attachment B**. Approximate sample collection locations are provided in **Figure F-01**.

The following suspect ACMs sampled from the site were found not to contain asbestos by laboratory analysis:

- 9-inch by 9-inch blue vinyl floor tile and associated tan mastic located in Rooms 110 and 111 (BH-F2.1A, B, C)
- 9-inch by 9-inch tan vinyl floor tile and associated tan mastic located in Rooms 110 and 111 (BH-F2.2A, B, C)
- 9-inch by 9-inch red vinyl floor tile and associated tan mastic located in Rooms 110 and 111 (BH-F2.3A, B, C)
- 2-foot by 4-foot white with pinholes and fissured ceiling panels located in Rooms 110 and 111 (BH-M5.1A, B, C)

TETRA TECH

7100 Commercial Avenue Suite 4, Billings, MT 59101
Tel +1. 406.248.9161 | Fax +1. 406.248.9282 | tetratech.com

- 4-inch black vinyl cove base and associated tan mastic located in Room 111 (BH-M12.1A, B, C)
- 4-inch tan vinyl cove base and associated tan mastic located in Room 110 (BH-M12.2A, B, C)
- Green painted CMU block and gray mortar located in Room 111 (BH-M22.1A, B, C)
- Multicolored painted light orange peel textured wallboard system located in Rooms 110 and 111 (BH-S3.1A, B, C)
- White spray on fireproofing on metal roof decking located in Rooms 110 and 111 (BH-S5.1A, B, C)

LIMITATIONS

The purpose of the asbestos inspection is to reasonably test for evidence of asbestos in suspect ACM building materials. It should be noted that no inspection can be comprehensive or exhaustive enough to eliminate the possibility that asbestos present at the site may not be detected during the inspection. Therefore, the completion of this or any inspection for asbestos should not be considered a warranty or guarantee that these materials do not exist, even if they are not detected through an inspection.

Our opinions are intended exclusively for Montana State University. The services provided by Tetra Tech may not meet the needs of other users, and any use or reuse of this document or its findings is prohibited and at the user's own risk. No changes or modifications are allowed without Tetra Tech's written approval. Additionally, the opinions given are limited by the scope of services requested and the site conditions observed during our inspection. Therefore, our opinions and recommendations may not apply to future site conditions that we have not had the opportunity to assess.

information, please contact me at our Tetra Tech Billings, Montana office at (406) 248-9161.

Respectfully submitted,

TETRA TECH

Roger W. Herman, Jr.

Roger W. Herman, Jr.
Asbestos, Lead & IH Services Manager

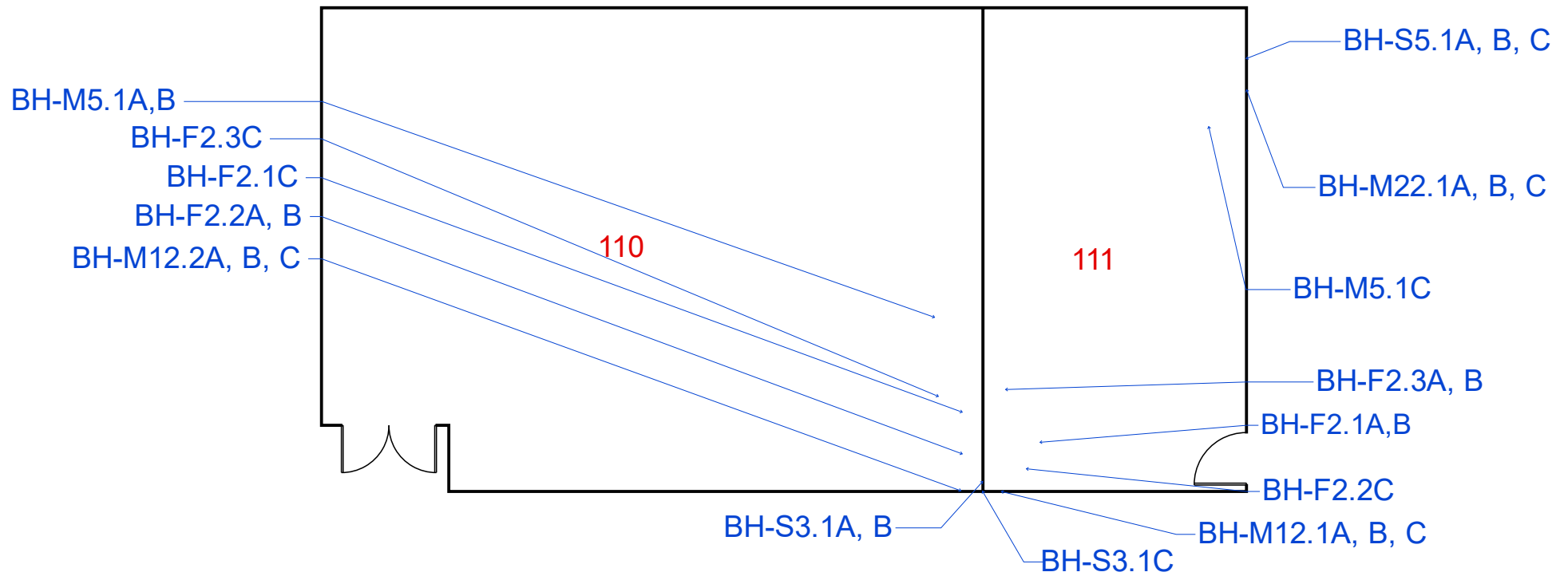
Figures

Attachment A – MDEQ Asbestos Inspector Accreditation

Attachment B – Bulk Asbestos Laboratory Analytical Report and COC

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FIGURES



LEGEND

 TETRA TECH www.tetrattech.com 7100 Commercial Ave, Suite 4 Billings, Montana 59101 PHONE: 406-248-9161 FAX: 406-248-9282	ROOMS 110 & 111		Project No.: 117-001068-26002
	ASBESTOS INSPECTION SAMPLE COLLECTION LOCATIONS BARNARD HALL MONTANA STATE UNIVERSITY BOZEMAN, MONTANA		Designed By: CL
			Drawn By: CL
			Checked By: RWH
			F-01

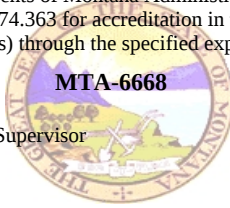
Copyright Tetra Tech

Not To Scale

ATTACHMENT A
MDEQ Asbestos Inspector Accreditation

CHANC LAWRENCE

has met the requirements of Montana Administrative Rule 17.74.362 and/or 17.74.363 for accreditation in the following asbestos occupation(s) through the specified expiration date(s).



Asbestos Inspector
Project Contractor/Supervisor

07/30/2026
07/25/2026

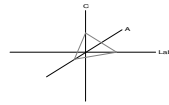
MT DEQ Asbestos Control Program

CHANC LAWRENCE
3052 GOLDEN ACRES DR
BILLINGS MT 59106

ATTACHMENT B
Bulk Asbestos Laboratory Analytical Report and COC

CA Labs
Dedicated to Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798



CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Tetra Tech, Inc.

7100 Commercial Ave Suite 4
Billings, Montana 59101

Customer Project: 117 - Barnard Hall RM 110/111
Reference #: CAL25107836AS Date: 10/22/25

Analysis and Method

Summary of polarized light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of a stereomicroscope. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are performed. Calibrated liquid refractive oils are used as liquid mounting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjunction with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may contain trace amounts of actinolite/tremolite. When not detected by PLM, these samples should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may contain a regulated asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Since allowable variation in quantification of samples close to 1% is high, <1% may be reported. Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos or "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have completed college courses or hold a degree in a natural science (geology, biology, or environmental science). Recognition by a state professional board in one these disciplines is preferred, but not required. Extensive in-house training programs are used to augment the educational background of the analyst. The Laboratory Director and Quality Manager have received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235
AIHA LAP, LLC Laboratory #102929

Overview of Project Sample Material Containing Asbestos

Customer Project:		117 - Barnard Hall RM 110/111		CA Labs Project #: CAL25107836AS	
Laboratory	Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
Sample ID					

No Asbestos Detected.

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235
AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate	pe - perlite	fg - fiberglass	pa - palygorskite (clay)
gypsum - gypsum	qu - quartz	mw - mineral wool	
bi - binder		wo - wollastinite	
or - organic		ta - talc	
ma - matrix		sy - synthetic	
mi - mica		ce - cellulose	
ve - vermiculite		br - brucite	
ot - other		ka - kaolin (clay)	

This report relates to the items tested as received. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

Polarized Light Asbestiform Materials Characterization

Customer Info: Tetra Tech, Inc. 7100 Commercial Ave Suite 4 Billings, Montana 59101	Attn:	Customer Project: 117 - Barnard Hall RM 110/111 Turnaround Time: 3 Days	CA Labs Project #: CAL25107836AS Date: 10/22/2025 Samples Rec'd: 10/20/25 10:30AM Date Of Sampling: 10/15/2025 Purchase Order #:
Phone #	406-248-9161		
Fax #	406-248-9282		

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
93411	BH-F2.1A			F2.1A- Vinyl Floor Tile and Mastic/ 1 gray floor tile	y	None Detected		100% qu,ca
93411				F2.1A- 2 tan mastic	y	None Detected		100% gy,bi
93412	BH-F2.1B			F2.1B- Vinyl Floor Tile and Mastic/ 1 gray floor tile	y	None Detected		100% qu,ca
93412				F2.1B- 2 tan mastic	y	None Detected		100% gy,bi
93413	BH-F2.1C			F2.1C- Vinyl Floor Tile and Mastic/ 1 gray floor tile	y	None Detected		100% qu,ca
93413				F2.1C- 2 tan mastic	y	None Detected		100% gy,bi
93414	BH-F2.2A			F2.2A- Vinyl Floor Tile and Mastic/ 1 off-white floor tile	y	None Detected		100% qu,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

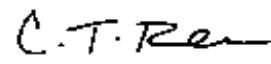
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ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:


Tomas Vazquez
Analyst

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze


C.T. Rasmussen
Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

Polarized Light Asbestiform Materials Characterization

Customer Info:				Attn:		Customer Project:			CA Labs Project #:	
Tetra Tech, Inc.						117 - Barnard Hall RM 110/111			CAL25107836AS	
7100 Commercial Ave Suite 4						Turnaround Time:			Date: 10/22/2025	
Billings, Montana 59101						3 Days			Samples Rec'd: 10/20/25 10:30AM	
Phone #		406-248-9161							Date Of Sampling: 10/15/2025	
Fax #		406-248-9282							Purchase Order #:	
Laboratory Sample ID	Sample #	Comment	Layer #	Analysts	Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent	
93414			F2.2A-2		tan mastic	y	None Detected	100% gy,bi		
93415	BH-F2.2B		F2.2B-1		Vinyl Floor Tile and Mastic/ off-white floor tile	y	None Detected	100% qu,ca		
93415			F2.2B-2		tan mastic	y	None Detected	100% gy,bi		
93416	BH-F2.2C		F2.2C-1		Vinyl Floor Tile and Mastic/ off-white floor tile	y	None Detected	100% qu,ca		
93416			F2.2C-2		tan mastic	y	None Detected	100% gy,bi		
93417	BH-F2.3A		F2.3A-1		Vinyl Floor Tile and Mastic/ tan floor tile	y	None Detected	100% qu,ca		
93417			F2.3A-2		tan mastic	y	None Detected	100% gy,bi		

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

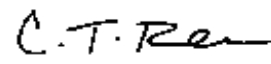
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:


Tomas Vazquez
Analyst

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze


Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

Polarized Light Asbestiform Materials Characterization

Customer Info: Tetra Tech, Inc. 7100 Commercial Ave Suite 4 Billings, Montana 59101				Attn:		Customer Project: 117 - Barnard Hall RM 110/111		CA Labs Project #: CAL25107836AS	
Phone # 406-248-9161				Fax # 406-248-9282		Turnaround Time: 3 Days		Date: 10/22/2025 Samples Rec'd: 10/20/25 10:30AM Date Of Sampling: 10/15/2025 Purchase Order #:	
Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent	
93417			F2.3A-3	white leveling compound	y	None Detected	100% qu,ca		
93418	BH-F2.3B		F2.3B-1	Vinyl Floor Tile and Mastic/ tan floor tile	y	None Detected	100% qu,ca		
93418			F2.3B-2	tan mastic	y	None Detected	100% gy,bi		
93418			F2.3B-3	white leveling compound	y	None Detected	100% qu,ca		
93419	BH-F2.3C		F2.3C-1	Vinyl Floor Tile and Mastic/ tan floor tile	y	None Detected	100% qu,ca		
93419			F2.3C-2	tan mastic	y	None Detected	100% gy,bi		
93420	BH-M5.1A		M5.1 A-1	Ceiling Panels/ white surfacing	y	None Detected	100% qu,bi		

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

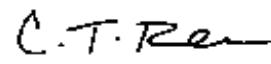
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bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:


Tomas Vazquez
Analyst

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

6. Anthophyllite in association with Fibrous Talc
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
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Polarized Light Asbestiform Materials Characterization

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Laboratory Sample ID	Sample #	Comment	Layer #	Analysts	Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent	
93420			M5.1 A-2		tan ceiling tile	y	None Detected	35% ce 35% fg	30% qu,pe,ca	
93421	BH-M5.1B		M5.1 B-1		Ceiling Panels/ white surfacing	y	None Detected		100% qu,bi	
93421			M5.1 B-2		tan ceiling tile	y	None Detected	35% ce 35% fg	30% qu,pe,ca	
93422	BH-M5.1C		M5.1 C-1		Ceiling Panels/ white surfacing	y	None Detected		100% qu,bi	
93422			M5.1 C-2		tan ceiling tile	y	None Detected	35% ce 35% fg	30% qu,pe,ca	
93423	BH-M12.1A		M12.1 A-1		Vinyl Cove Base and Mastic/ black baseboard	y	None Detected		100% gy,ma	
93423			M12.1 A-2		tan mastic	y	None Detected		100% gy,bi	

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

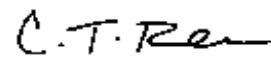
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Analyst

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93423			M12.1 A-3		white surfaced white compound	n	None Detected	100% qu,bi,ca		
93424	BH-M12.1B		M12.1 B-1		Vinyl Cove Base and Mastic/ black baseboard	y	None Detected	100% gy,ma		
93424			M12.1 B-2		tan mastic	y	None Detected	100% gy,bi		
93424			M12.1 B-3		white surfaced white compound	n	None Detected	100% qu,bi,ca		
93425	BH-M12.1C		M12.1 C-1		Vinyl Cove Base and Mastic/ black baseboard	y	None Detected	100% gy,ma		
93425			M12.1 C-2		tan mastic	y	None Detected	100% gy,bi		
93425			M12.1 C-3		white surfaced white compound	n	None Detected	100% qu,bi,ca		

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

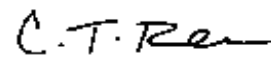
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bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:


Tomas Vazquez
Analyst

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Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

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10. TEM analysis suggested

Polarized Light Asbestiform Materials Characterization

Customer Info:		Attn:		Customer Project:		CA Labs Project #:		
Tetra Tech, Inc.				117 - Barnard Hall RM 110/111		CAL25107836AS		
7100 Commercial Ave Suite 4				Turnaround Time:		Date: 10/22/2025		
Billings, Montana 59101				3 Days		Samples Rec'd: 10/20/25 10:30AM		
Phone #	406-248-9161					Date Of Sampling: 10/15/2025		
Fax #	406-248-9282					Purchase Order #:		
Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
93426	BH-M12.2A	M12.2 Vinyl Cove Base and Mastic/		A-1 tan baseboard	y	None Detected	100% gy,ma	
93426		M12.2		A-2 tan mastic	y	None Detected	100% gy,bi	
93426		M12.2		A-3 tan surfaced white compound	n	None Detected	100% qu,bi,ca	
93427	BH-M12.2B	M12.2 Vinyl Cove Base and Mastic/		B-1 tan baseboard	y	None Detected	100% gy,ma	
93427		M12.2		B-2 tan mastic	y	None Detected	100% gy,bi	
93427		M12.2		B-3 tan surfaced white compound	n	None Detected	100% qu,bi,ca	
93428	BH-M12.2C	M12.2 Vinyl Cove Base and Mastic/		C-1 tan baseboard	y	None Detected	100% gy,ma	

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

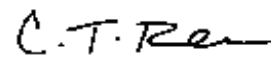
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

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Analyst

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Technical Manager
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Senior Analyst
Julio Robles

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9. < 1% Result point counted positive
10. TEM analysis suggested

Polarized Light Asbestiform Materials Characterization

Customer Info: Tetra Tech, Inc. 7100 Commercial Ave Suite 4 Billings, Montana 59101				Attn:		Customer Project: 117 - Barnard Hall RM 110/111 Turnaround Time: 3 Days		CA Labs Project #: CAL25107836AS Date: 10/22/2025 Samples Rec'd: 10/20/25 10:30AM Date Of Sampling: 10/15/2025 Purchase Order #:	
Phone #	406-248-9161								
Fax #	406-248-9282								
Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent	
93428			M12.2 C-2	tan mastic	y	None Detected	100% gy,bi		
93428			M12.2 C-3	tan surfaced white compound	n	None Detected	100% qu,bi,ca		
CMU Block and Mortar/ green									
93429	BH-M22.1A		M22.1 A-1	surfaced white finishing compound	n	None Detected	100% qu,bi,ca		
93429			M22.1 A-2	gray cement/mortar	y	None Detected	100% qu,ca		
CMU Block and Mortar/ green									
93430	BH-M22.1B		M22.1 B-1	surfaced white finishing compound	n	None Detected	100% qu,bi,ca		
93430			M22.1 B-2	gray cement/mortar	y	None Detected	100% qu,ca		
CMU Block and Mortar/ green									
93431	BH-M22.1C		M22.1 C-1	surfaced white finishing compound	n	None Detected	100% qu,bi,ca		

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). All samples received in good condition unless noted.

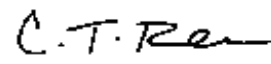
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ma - matrix	qu - quartz	sy - synthetic	

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Technical Manager
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Senior Analyst
Julio Robles

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9. < 1% Result point counted positive
10. TEM analysis suggested

Polarized Light Asbestiform Materials Characterization

Customer Info:		Attn:		Customer Project:		CA Labs Project #:		
Tetra Tech, Inc.				117 - Barnard Hall RM 110/111		CAL25107836AS		
7100 Commercial Ave Suite 4				Turnaround Time:		Date: 10/22/2025		
Billings, Montana 59101				3 Days		Samples Rec'd: 10/20/25 10:30AM		
Phone #	406-248-9161					Date Of Sampling: 10/15/2025		
Fax #	406-248-9282					Purchase Order #:		
Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
93431			M22.1 C-2	gray cement/mortar	y	None Detected	100% qu,ca	
				Textured Wallboard System/				
93432	BH-S3.1A		S3.1A- 1	green surfaced white compound	n	None Detected	100% qu,bi,ca	
				Textured Wallboard System/				
93432			S3.1A- 2	tan drywall with brown paper	n	None Detected	20% ce	80% qu,gy
				Textured Wallboard System/				
93433	BH-S3.1B		S3.1B- 1	green and white surfaced white compound	n	None Detected	100% qu,bi,ca	
				Textured Wallboard System/				
93433			S3.1B- 2	tan drywall with brown paper	n	None Detected	20% ce	80% qu,gy
				Textured Wallboard System/				
93434	BH-S3.1C		S3.1C- 1	tan surfaced white compound	n	None Detected	100% qu,bi,ca	
				Textured Wallboard System/				
93434			S3.1C- 2	tan drywall with brown paper	n	None Detected	20% ce	80% qu,gy

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

AIHA LAP, LLC Laboratory #102929

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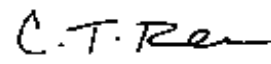
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Polarized Light Asbestiform Materials Characterization

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Fax #		406-248-9282						Purchase Order #:	
Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent	
93435	BH-S5.1A		1	S5.1A- Spray on Fireproofing/ white fireproofing	y	None Detected	10% ce	90% qu,pe,ca	
93436	BH-S5.1B		1	S5.1B- Spray on Fireproofing/ white fireproofing	y	None Detected	10% ce	90% qu,pe,ca	
93437	BH-S5.1C		1	S5.1C- Spray on Fireproofing/ white fireproofing	y	None Detected	10% ce	90% qu,pe,ca	

Dallas NVLAP Lab Code 200349-0 TEM/PLM TDSHS 30-0235

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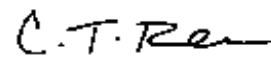
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CONTACT INFORMATION

COMPANY: Tetra Tech, Inc. **Phone:** 406.248.9161
Primary Contact Chanc Lawrence **Phone / Email:** chanc.lawrence@tetrattech.com cell-(406)601-0936
Additional Contact Roger W. Herman, Jr. **Phone / Email:** roger.herman@tetrattech.com cell – 406.670.4844
Sampler Name(s) Chanc Lawrence **Sampler Signature(s)** 
Date of Inspection: 10-15-25

CAC25107836

PROJECT INFORMATION

Client MSU **Project Name** Barnard Hall RM 110/111
Project Location Bozeman, MT **Project Number** 117-

PLM INSTRUCTIONS

☒ PLM EPA 600/R-93/116 ☐ PLM CARB 435 (rock/soil) ☐ TEM CHATFIELD ☐ TEM NOB 198.4 ☐ TEM CARB 435 (rock/soil)

☒ PLM Point Count, PC 400 Points (All samples greater than 0%, but less than 1%)

☒ Multi-Layered Samples:

☒ Analyze and Report All Separable Layers per EPA 600 ☐ Only Analyze sepecifically noted layer

☒ Analyze Until Positive Stop by Material Type as Noted

TURNAROUND TIME

☐ 5 Day ☒ 72 Hour ☐ 48 Hour ☐ 24 Hour ☐ 8 Hour ☐ 4 Hour ☐ 2 Hour

Relinquished By	Date & Time	VIA	Received By	Date & Time
Chanc Lawrence	10-16-25 10:00	FEDEX		

10:30AM

OCT 20 2025

Andrew Sikes

Cal 25107836

CHAIN OF CUSTODY -BULK ASBESTOS-

PROJECT INFORMATION

Project Name Barnard Hall RM 110/111
Project Identifier BH

Project Number 117-

Bulk Sample #	HA ID	Sample Material Description	Material Location	Notes
A B C	BH F 2.1	9-inch by 9-inch blue vinyl floor tile and associated tan mastic	Room 111 and 110	
A B C	BH F 2.2	9-inch by 9-inch tan vinyl floor tile and associated tan mastic	Room 111 and 110	
A B C	BH F 2.3	9-inch by 9-inch red vinyl floor tile and associated tan mastic	Room 111 and 110	
A B C	BH M 5.1	2-foot by 4-foot white pinholed fissured ceiling panels	Room 111 and 110	
A B C	BH M 12.1	4-inch black vinyl cove base and associated tan mastic	Room 111	
A B C	BH M 12.2	4-inch tan vinyl cove base and associated tan mastic	Room 110	
A B C	BH M 22.1	Green painted CMU block and gray mortar	Room 111	
A B C	BH S 3.1	Multicolored painted light orange peel textured wallboard system	Room 111 and 110	10:30AM
A B C	BH S 5.1	White spray on fireproofing associated with metal roof decking	Room 111 and 110	OCT 20 2025 <i>Andrew Sikes</i>