Report: Hazardous Building Materials Survey – Asbestos, Lead, Universal Waste

Site:

Former Frog, Switch & Manufacturing Company
600 East High Street
Carlisle, PA 17013

Prepared For:

Jacob Klaybor
Environmental Engineer
Environmental Science and Engineering
U.S. DOT Volpe National Transportation Systems Center
220 Binney Street,
Cambridge, MA 02142

Prepared By:



Michael Panepresso
Vice President of Operations
Viva Environmental, Health, & Safety, LLC.
2201 S. 3rd Street
Philadelphia, PA 19148

Date(s) of Project:

September 15 to 18, 2025

Date of Report:

October 9, 2025

Project Number:

250640

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1.0 EXECUTIVE SUMMARY

Viva Environmental, Health, & Safety, LLC. (Viva EHS) was retained to perform a Hazardous Building Materials Survey consisting of an asbestos-containing materials inspection, a lead-based paint inspection, and a universal waste inspection of the building materials found within eight (8) buildings targeted for demolition at the former Frog, Switch & Manufacturing Company located at 600 E. High Street in Carlisle, PA 17013. The buildings surveyed included Building 1, 2, 3, 5, 13, 18, 20, and 24/27. A silo next to Building 1 - Foundry was also inspected.

Asbestos-containing materials (ACMs) identified included window caulking, window glazing, tar mastic, 9" x 9" floor tile, rope material, thermal system insulation, built-up and transite roofs, transite ceilings, and fire doors. With the exception of non-friable roofing materials that are removed in a non-friable manner, these ACMs must be abated by a licensed asbestos abatement contractor prior to demolition. Please refer to the Asbestos Inventory in the Attachments to this report for specific types, locations, and quantities of ACM identified. **No ACMs were identified in Buildings 13, 18, and 24/27.**

Lead-based paints were identified on components such as walls, stairs, windows, ceilings, doors, shelving, cabinets, handrails, machines, platforms, roof supports, concrete bollards, and catwalks. Any painted surface containing any concentration of lead should not be sanded, demolished, or disturbed without the proper engineering controls and work methods, as spelled out under OSHA's 29 CFR Part 1926.62 Lead Exposure in Construction, Interim Rule. Please refer to the Lead-Based Paint – XRF Analyzer Results Spreadsheet in the Attachments to this report for components testing positive for lead-based paint.

Please refer to the Universal Waste Inventory in the Attachments to this report for types and quantities of universal waste, such as light ballasts, refrigerants, mercury-containing devices (thermostats, switches), batteries, drums, etc., that were identified in the buildings to be demolished. These materials should be collected and transported to appropriate recycling facilities prior to demolition.

Analysis of ten (10) polychlorinated biphenyls (PCBs) samples collected from door and window caulk in the buildings to be demolished indicated no concentrations of PCBs were detected. PCB samples were analyzed by US EPA Method SW846 3540C/8082A. Analysis was performed by Mid-Atlantic Environmental Laboratories, Inc., located in New Castle, DE.

2.0 METHODOLOGY

Jared Whack, an EPA-certified and PA-licensed lead risk assessor, Sean Gallagher, and Dean Kolb, both EPA-certified and PA-licensed asbestos building inspectors with Viva EHS, conducted the inspection for the presence and condition of asbestos-containing materials, lead-based paints, and universal wastes from September 15 to 18, 2025.

Suspect building materials whose asbestos content was unknown were sampled to determine their asbestos content. Samples were collected in accordance with the EPA AHERA Regulations, 40 CFR 763. Within this regulation, the EPA classifies a material as "asbestos-containing" if it contains greater than one percent **(>1%)** asbestos by weight.

All work was conducted in accordance with Volpe Standard Operating Procedure *SOP-24 Hazardous Building Materials Survey*.

Bulk samples for asbestos were analyzed by Polarized Light Microscopy (PLM) in accordance with EPA Method 600/R-93/116 by Eckhart Environmental Services, an NVLAP-certified laboratory located in Media, PA.

To reduce the need for resampling, Viva EHS used historical asbestos bulk sampling data found in the CALI Asbestos Identification Survey Report conducted at the Site in May 2021. The CALI report can be found in the Attachments to this report.

Painted surfaces were analyzed for their lead content in a non-destructive manner using an X-ray Fluorescence Spectrometer (XRF) manufactured by SciApps, Inc., which was calibrated prior to and following the analysis of painted surfaces. XRF Analyzer Calibration Check Test Results are attached to this report.

The U.S. Department of Housing and Urban Development (HUD) considers 1.0 milligrams of lead per square centimeter of painted surface, or greater, to be lead-based paint ($\geq$ 1.0 mg/c m^2).

A summary of the locations/components where XRF readings were collected is included in a spreadsheet attached to this report.

Within the spreadsheet, walls are labeled as “Wall 1”, “Wall 2”, “Wall 3”, or “Wall 4”. The wall containing the main entry door for a room is labeled as “Wall 1”. The walls are then labeled in a clockwise fashion as “Wall 2”, “Wall 3”, and “Wall 4”. For hallways, the front entrance side of the building is considered “Wall 1”.

An inspection for universal wastes was performed throughout the eight (8) buildings to be demolished. This inspection included the quantification of fluorescent light bulbs, mercury thermostats and switches, refrigerant sources, batteries, drums, above-ground petroleum product containers, ballasts, and electrical equipment that may contain PCB-laden oil.

Suspect door and window caulks, that may contain PCBs, were identified in the buildings to be demolished and sampled.

3.0 REGULATORY COMPLIANCE SUMMARY

Asbestos

The purpose of the asbestos survey was to identify and document asbestos-containing materials (ACM) that would be impacted by the planned demolition. The EPA’s National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation requires that buildings scheduled for renovation/demolition have an inspection identifying asbestos materials. OSHA’s Construction Standard for Asbestos (29 CFR 1926.1101) requires that building materials installed prior to 1981 be inspected for asbestos, or they must be classified as presumed asbestos-containing materials (ACM).
Several sampled materials listed below contain trace amounts (<1%) of asbestos. Although these

materials are not considered by the EPA to be asbestos-containing materials (ACM), OSHA considers materials with any asbestos content to be a concern. Accordingly, please share this report with construction management so that they can implement work practice controls in accordance with OSHA Construction Standard 1926.1101and General Industry Standard, 1910.1001.

Viva Environmental, Health & Safety, LLC. Asbestos Survey (October 2025):

- DK091525-12 and -13 Plaster, 2nd Floor, Building 3 (Main Office)
- DK091825-01 and -02 Caulk A/W Door, Side Storage, Building 5

CALI Asbestos Survey (May 2021):

- L1428-46 and -47 Composite Drywall/Joint Compound (Machine Shop, Bldg. 1)
- L1428-71 and-72 Composite Drywall/Joint Compound (Main Office, Bldg. 3)

Lead-Based Paint

A lead-based paint inspection is required for pre-1978 commercial, industrial, and federal property demolitions to protect workers, the public, and the environment from hazardous lead dust and debris.

The inspection identifies the presence of lead-based paint, which, when disturbed during demolition, can create dangerous lead-contaminated dust. This lead-based paint inspection allows for the use of lead-safe work practices to prevent exposure, protect the surrounding community, and ensure proper handling of lead-contaminated waste.

Prior to building demolition and waste disposal, a Toxicity Characteristic Leaching Procedure (TCLP) test of the waste is required to determine if it is hazardous waste. The waste debris is considered hazardous if the TCLP test shows a lead concentration of 5.0 milligrams per liter (or 5,000 parts per million) or greater, and then must be disposed of at a facility that accepts lead hazardous wastes.

Universal Waste and PCBs

A thorough visual inspection of the buildings to be demolished is necessary to identify universal waste materials that may be hazardous to workers and the public and that may need to be disposed of at a recycling facility.

Caulking materials installed before 1977 must be sampled for polychlorinated biphenyls (PCBs) because they are toxic chemicals that can leach and off-gas into the environment. This PCB contamination poses a significant risk to human health, including carcinogenic, neurological, and developmental effects. During demolition, these materials can release concentrated amounts of PCBs into the air and dust, requiring proper regulation and disposal as PCB remediation waste to protect health and the environment.

4.0 RECOMMENDATIONS AND ESTIMATED COSTS FOR ABATEMENT

Please refer to the Asbestos Inventory in the attachment to this report for the location, type, and

quantity of asbestos-containing materials identified. Viva EHS recommends that asbestos-containing materials identified in the Asbestos Inventory be removed by a PA-licensed asbestos abatement contractor prior to demolition.

Please note that contractors bidding on asbestos removal should confirm the location and quantity of asbestos-containing materials listed. Annotated Site Plans with Asbestos Bulk Sample Locations and Laboratory Analytical Reports with Chain of Custody Forms are attached to this report. The attached May 2021 Asbestos Survey Report by CALI also includes the Laboratory Analytical Results.

Please refer to the Lead-Based Paint – XRF Analyzer Results Spreadsheet in the attachments to this report for components testing positive for lead-based paint.

Any painted surface containing any concentration of lead should not be sanded, demolished, or disturbed without the proper engineering controls and work methods, as spelled out under OSHA's 29 CFR Part 1926.62 Lead Exposure in Construction, Interim Rule. Improper disturbance of any paint with lead content can cause lead to become airborne. The emphasis on controlling lead dust derives from the conclusion that lead dust appears to be the primary route of exposure to lead, especially of low-level exposure. It is therefore important that occupants of the buildings and any contractors be made aware of the presence of lead-based paint and the potential health risks associated with the ingestion of lead-based paint or the associated dust that results from the damaging of the painted surfaces.

Occupants and/or contractors should also be made aware of the importance of not damaging the painted surfaces and creating loose and flaking paint or dust. If the painted surfaces are damaged, this should be reported to the proper building representative/maintenance personnel to properly correct the problem to prevent an increased exposure potential.

Prior to building demolition, universal wastes identified in the attached Universal Waste Inventory should be collected and transported to an appropriate recycling facility for processing.

4.1 Estimated Cost for Abatement

The cost estimate provided below is based on the estimated man-day cost and the number of man-days needed to complete the scope of work, taken from the Asbestos Inventory and provided below. Accessibility (i.e., the Silo runs 50 feet high and pipe insulation in the Foundry appears to be about 50 feet high), work hours (i.e., holiday or weekend work), prevailing wage requirements, and site-specific work area set-up requirements are all factors that may affect these costs. The estimate includes air monitoring costs.

4.2 Scope of Work (Asbestos Abatement)

- 20 LF of Window Caulk
- 140 LF of Window Glazing
- 30 LF of Tar Mastic (Silo)
- 96 SF of Floor Tile
- 15 LF of Rope Material

- 50 LF of Fire Doors (2)
- 1500 LF of Thermal System Insulation (TSI)
- 20 SF of Transite Ceiling
- 90,000 SF of Built-Up and Transite Roofing

4.3 Total Estimated Cost and Timetable for Abatement and Air Monitoring Oversight

Viva EHS has estimated a total cost of approximately **$1,047,550** for the abatement and air monitoring oversight required to remove all ACM prior to demolition. We estimate that the timetable for this abatement is 8 weeks. Please note that $990,000 of the $1,047,550 total estimated cost is for the abatement of 90,000 sf of asbestos-containing roofing.

4.4 Asbestos Roofing Materials at Frog, Switch & Manufacturing Company

The non-friable, Category I, Built-Up Roofing Felt Materials (May 2021 Asbestos Survey) that tested positive for asbestos (Sample Numbers L1428-77, 78) at the Foundry – Building 1 are not expected to release significant amounts of asbestos fibers to the outside air during demolition and are not regulated by the EPA and the Pennsylvania Department of Labor and Industry (PADOLI).

However, if the Built-Up Roofing Felt Materials are subject to sanding, grinding, cutting, or abrading, they are subject to the EPA NESHAP and must be removed by a licensed asbestos removal contractor prior to demolition.

As long as the building materials being demolished (such as the substrate that supports the built-up asbestos roofing materials) are not recycled, the asbestos-containing Built-Up Roofing Felt Materials can be demolished in place and disposed of as construction waste. Viva EHS recommends that you get further guidance on this subject from the State, the EPA, and roofing contractors familiar with handling asbestos roofing.

4.5 Asbestos Transite Roofing

The non-friable, Category II, Transite Roofing Materials (May 2021 Asbestos Survey) that tested positive for asbestos at the Foundry, Building 1 (Sample Number L1428-42) and at the Main Office, Building 3 (Sample Number 70) are evaluated on a case-by-case basis by the EPA as to whether they are regulated by the EPA NESHAP and need to be removed prior to demolition.

Non-friable, Category II, materials like the Transite Roofing, that are crumbled, pulverized, or reduced to powder during removal or during demolition, are covered by the EPA NESHAP.
Viva EHS recommends that you receive further guidance on how to proceed with handling the Transite Roofing from the State, the EPA, and roofing contractors familiar with handling asbestos roofing.

Viva EHS recommends that you retain a PA-licensed asbestos removal contractor to remove the Asbestos Transite Roofing from Building 1 (Foundry) and Building 3 (Main Office). Asbestos-cement (transite) has a greater potential to release asbestos fibers during removal than asbestos-containing built-up roofing felts.

ATTACHMENTS

Asbestos Inventory (Asbestos-Containing Material Quantities)

ASBESTOS INVENTORY
Former Frog, Switch & Manufacturing Co.
600 East High Street
Carlisle, PA 17013

The table below includes both ACMs identified during Viva EHS' 2025 hazardous building materials survey and those ACMs identified in the *Asbestos Identification Survey Report* from CALI (May 2021).

LOCATION	MATERIAL DESCRIPTION	QUANTITY
Building 5 (Maintenance Building) -Rear Storage	Window Caulk (Interior)	20 LF
Building 13 (Human Resources)	No Asbestos-Containing Materials Identified	
Silo (Stand Alone) -Exterior	Tar Mastic	30 LF
Building 18 (Archives)	No Asbestos-Containing Materials Identified and No Suspect Materials Observed	
Building 20 (Pattern Storage) -Interior	Window Glazing	32 LF
Building 24/27 (Pattern Shop)	No Asbestos-Containing Materials Identified	
Building 3 (Main Office) -Vault -Roof Perimeter -Second Floor -Roof	 9" x 9" Brown Floor Tile Roof Flashing Window Glazing (Exterior) Transite*	 96 SF 100 LF 108 LF See Building 1 (Foundry)

ASBESTOS INVENTORY
Former Frog, Switch & Manufacturing Co.
600 East High Street
Carlisle, PA 17013

Building 2 (Frog Shop) -Old Boiler Room -Old Boiler Room -Throughout	 Rope Material* Fire Door (Assumed) Thermal System Insulation (TSI)*	 15 LF 20 SF 1500 LF
Building 1 (Foundry Locker Room) **-**Locker	 Transite Ceiling	 20 SF
Building 1 (Foundry) -Rear Shack -South Side Roof -North Roof -Center Roof	 Fire Door (Assumed) Transite* Roof Coating* Roof Material*	 30 SF 90,000 SF total includes Bldg. 3 Roof

Notes
***** These building materials were identified as asbestos-containing materials in the *Asbestos Identification Survey Report* from CALI (May 2021).

Building 1 (Foundry) – The *Asbestos Identification Survey Report* from CALI (May 2021) lists 2,000 sf of asbestos drywall/joint compound in the Machine Shop Bathroom which is part of the Foundry Building/Building 1. During Viva EHS' inspection, the only drywall/joint compound observed was in the Foundry Locker Room. Viva EHS' inspectors collected two (2) samples of drywall/joint compound (Samples DK091725-09A and -10A) and both samples tested negative for asbestos. Please note CALI's 2021 survey included 3 samples of drywall/joint compound (Samples L1428-45, 46 and 47). One sample identified no asbestos and two samples identified trace (<1% chrysotile) amounts. The drywall/joint compound for Building 1 (Foundry) is not listed as an asbestos-containing material in the Asbestos Inventory.

Building 3 (Main Office) – The *Asbestos Identification Survey Report* from CALI (May 2021) lists the Entire Office Building Drywall/Compound (Quantity Unknown) as an asbestos-containing material. CALI's survey included three (3) samples of drywall/joint compound (Samples L1428-71, 72 and 73). One sample identified no asbestos and two samples identified trace (<1%) amounts. Viva EHS' inspectors collected two (2) samples of drywall/joint compound (Samples DK091525-04 and -05) and both samples tested negative for asbestos. The drywall/joint compound is not listed as asbestos-containing material in the Asbestos Inventory.

Quantities are approximated and are to be used for budget purposes only. Quantities should be confirmed by contractors before submitting a bid.

Additional suspect materials may be found above hard ceilings or behind hard walls.

Copy of Laboratory Asbestos Analytical Reports with Chain of Custody Forms

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Foundry – Building 1
(Project # 250640)

RE:

Project #: L10368 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/16/2025 Date Received: 9/18/2025 Date of Analysis: 9/24/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10368

LOCATION: DOT – FROG/SWITCH
FOUNDRY – BUILDING 1
(PROJECT# 250640)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/24/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10368-DK091625-06A: Cementitious Brick - HID# 2601 (Building 1 – Foundry)	No	Off-White	None Detected	100% Non-Fibrous
L10368-DK091625-07A: Cementitious Brick - HID# 2601 (Building 1 – Foundry)	No	Off-White	None Detected	100% Non-Fibrous
L10368-DK091625-08A: 12x12 Floor Tile - HID# 2601 (Building 1 – Foundry – Chemical Lab)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-08A(M): Mastic associated with 12x12 Floor Tile - HID# 2601 (Building 1 – Foundry – Chemical Lab)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-09A: 12x12 Floor Tile - HID# 2601 (Building 1 – Foundry – Chemical Lab)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-09A(M): Mastic associated with 12x12 Floor Tile - HID# 2601 (Building 1 – Foundry – Chemical Lab)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-10A: Foam Pipe Insulation - HID# 1600 (Building 1 – Foundry)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-11A: Foam Pipe Insulation - HID# 1600 (Building 1 – Foundry)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-12A: Vibration Dampner Cloth - HID# 2602 (Building 1 – Foundry – Near Dust Disposal)	No	Black	None Detected*	100% Non-Fibrous
L10368-DK091625-13A: Vibration Dampener Cloth - HID# 2602 (Building 1 – Foundry – Near Dust Disposal)	No	Black	None Detected*	100% Non-Fibrous
L10368-DK091625-14A: Vibration Dampener Cloth - HID# 2603 (Building 1 – Foundry – Chutes)	No	Brown	None Detected*	10% Synthetic 90% Non-Fibrous
L10368-DK091625-15A: Vibration Dampener Cloth - HID# 2603 (Building 1 – Foundry – Chutes)	No	Brown	None Detected*	10% Synthetic 90% Non-Fibrous
L10368-DK091625-16A: Caulk associated with Door - HID# 2604 (Building 1 – Foundry – Rear Shack)	No	White	None Detected*	100% Non-Fibrous
L10368-DK091625-17A: Caulk associated with Door - HID# 2604 (Building 1 – Foundry – Rear Shack)	No	White	None Detected*	100% Non-Fibrous
L10368-DK091625-18A: Roll up Door - HID# 2605 (Building 1 – Foundry)	No	Brown	None Detected	100% Cotton
L10368-DK091625-19A: Roll up Door - HID# 2605 (Building 1 – Foundry)	No	Brown	None Detected	100% Cotton
L10368-DK091625-20A: Ceiling Tile 2x4 - HID# 1700 (Building 1 – Foundry – Record Storage)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous
L10368-DK091625-21A: Ceiling Tile 2x4 - HID# 1700 (Building 1 – Foundry – Record Storage)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous
L10368-DK091625-22A: Floor Tile 12x12 - HID# 2000 (Building 1 – Foundry – Wood Panel Room)	No	White	None Detected*	100% Non-Fibrous

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10368-DK091625-22A: Glue associated with Floor Tile 12x12 - HID# 2000 (Building 1 – Foundry – Wood Panel Room)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-23A: Floor Tile 12x12 - HID# 2000 (Building 1 – Foundry – Wood Panel Room)	No	White	None Detected*	100% Non-Fibrous
L10368-DK091625-23A: Glue associated with Floor Tile 12x12 - HID# 2000 (Building 1 – Foundry – Wood Panel Room)	No	Yellow	None Detected*	100% Non-Fibrous
L10368-DK091625-24A: Caulk associated with Exterior Column - HID# 2607 (Building 1 – Foundry – Exterior)	No	White	None Detected*	100% Non-Fibrous
L10368-DK091625-25A: Caulk associated with Exterior Column - HID# 2607 (Building 1 – Foundry – Exterior)	No	White	None Detected*	100% Non-Fibrous
L10368-DK091625-26A: Caulk associated with Exterior Door - HID# 2608 (Building 1 – Foundry – Exterior)	No	White	None Detected*	100% Non-Fibrous
L10368-DK091625-27A: Caulk associated with Exterior Door - HID# 2608 (Building 1 – Foundry – Exterior)	No	White	None Detected*	100% Non-Fibrous

NVLAP LAB CODE# 600273-0

Analyzed By: _____
Carl Josephson
Quality Manager
Analytical Microscopist

Reviewed/Authorized By: _____
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested, and as received, and shall not be reproduced, except in full, without the written approval of the laboratory. The US EPA defines asbestos containing materials as any material containing greater than 1% asbestos as determined by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in in Bulk Insulation Samples".

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Foundry – Building 1
(Project # 250640)

RE:

Project #: L10368 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/16/2025 Date Received: 9/18/2025 Date of Analysis: 9/24/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy - Dust Characterization Analyses

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for Dust Characterization sample analyses. Sample dust characterization analysis of debris was performed utilizing Polarized Light Microscopy at 400X magnification. Results are reported qualitatively for common particulate materials such as cellulose, fibrous glass, synthetic, pollen & non-fibrous particulate.

Sample results for identified presumed materials are reported qualitatively as a Particulate Loading Scale of 1+ ("Trace ") to 5+ ("Extremely Heavy") under microscopic examination. Particulate Loading Scale ranges from 1+ "Trace Loading", 2+ "Light Loading", 3+ "Moderate Loading", 4+ "Heavy Loading" and 5+ "Extremely Heavy Loading."

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

DUST CHARACTERIZATION ANALYSES REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10368

LOCATION: DOT – FROG/SWITCH
FOUNDRY – BUILDING 1
(PROJECT# 250640)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/24/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	PRESUMPTIVE MATERIALS	LOADING
L10368-DK091625-01A: Sand Debris - HID# 2600 (Building 1 – Foundry – Silo)	✓ Tan/Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-02A: Sand Debris - HID# 2600 (Building 1 – Foundry – West Rear)	✓ Tan/Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-03A: Sand Debris - HID# 2600 (Building 1 – Foundry – Middle Rear)	✓ Tan/Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-04A: Sand Debris - HID# 2600 (Building 1 – Foundry – East Rear [pit well])	✓ Tan/Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-05A: Sand Debris - HID# 2600 (Building 1 – Foundry – East Front)	✓ Tan/Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-28A: Sand Debris - HID# 2600 (Building 1 – Foundry – Western Front)	✓ Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-29A: Sand Debris - HID# 2600 (Building 1 – Foundry – Eastern Middle)	✓ Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-30A: Sand Debris - HID# 2600 (Building 1 – Foundry – Center Front)	✓ Gray, Non-Fibrous	Heavy (5+)
L10368-DK091625-31A: Sand Debris - HID# 2600 (Building 1 – Foundry – Rear Center Offices)	✓ Gray, Non-Fibrous	Heavy (5+)

Notes/Comments:

Sample #L10368-DK091625-01, L10368-DK091625-02, L10368-DK091625-03, L10368-DK091625-04, L10368-DK091625-05, L10368-DK091625-28, L10368-DK091625-29, L10368-DK091625-30, L10368-DK091625-31– asbestos was not detected.

Particulate Loading Scale:

1+ = Minimal "Trace"
2+ (Up to 25%) "Light"
3+ (>25% to 50%) "Moderate"
4+ (>50% to 75%) "Heavy"
5+ (>75%) "Extremely Heavy"

Analyzed By: _____
Carl Josephson
Quality Manager
Analytical Microscopist

Reviewed/Authorized By: _____
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested and shall not be reproduced, except in full, without the written approval of the laboratory. Sample analysis was performed by microscopic examination utilizing Polarized Light Microscopy at a magnification of 400X.

END OF REPORT

VIVA

Due Next Thurs 3pm

L10368

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/ switch		**Project#:** 250640
Sample Date: 09/16/25	**Inspector:** SG/DK/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Foundry - Building 1		**Comments:**

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091625-01A	2600	Sand -Debris	Building 1 - Foundry- S1/0	110,000SF	Y	N/A
-02A			" " - ~~Right~~ West Rear			
-03A			" " - middle Rear			
-04A			" " - East Rear (p/t wall)			
-05A			" " - East FRONT			
-06A	2601	Cementius Brick	Building 1 - Foundry	1000 SF	N	
-07A	"	"	"	"	"	
-08A	2000	12x12 Floor Tile w/ mastic	Building 1 - Foundry- Chemical Lab	160SF	N	
-09A	"	"	"	"	"	
-10A	1600	Foam Pipe Insulation	Building 1 Foundry	500LF	Y	
-11A	"	"	"	"	"	
-12A	2602	Vibration Dampner Cloth	Build 1 Foundry - Rear Dust Disposal	10 SF	N	
-13A	"	"	"	"	"	
-14A	2603		Building 1 Foundry- CHUTES	10 SF		
-15A	"	"	"	"	"	

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Icob _____ **Date:** 09/16/25

Transmitted to Lab by: (Print/Sign) Dean Icob _____ **Date:** 09/16/25

Received by: (Print/Sign) Kelly Fahey _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

VIVA
— EHS —

Viva Environmental, Health, & Safety, LLC.

L1036 8

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog / Switch		**Project#:** 250640
Sample Date: 09/16/25	**Inspector:** SG/DK/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Foundry - Building 1	**Comments:** N/S Refers To materials INSPECTED BUT NOT SAMPLED	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
(K)091625-16A	2604	Caulk A/W DOOR	Building 1 Foundry - Rear Stack	15 LF	No	N/A
-17A	↓	↓	↓	1	↓	↓
-18A	2605	Roll up door	Building 1 Foundry	200 SF	↓	↓
-19A	↓	↓	↓	1	↓	↓
N/S/	2606	Fire door	Building 1 Foundry - Rear Stack	30 SF	↓	↓
~~20~~ 20A	1700	Ceiling Tile 2x4	Building 1 - Foundry - Record storage	500 SF	Yes	↓
-21A	↓	↓	↓	↓	↓	↓
-22A	2000	Floor tile 12x12 + Glue	Building 1 Foundry - wood Panel Room	170 SF	No	↓
-23A	↓	↓	↓	↓	↓	↓
-24A	2607	~~Exterior~~ ~~Caulk~~ Caulk A/W ~~exterior~~ Column	Building 1 Foundry - Exterior	96 LF	No	↓
-25A	↓	↓	↓	↓	↓	↓
-26A	2608	Caulk a/w exterior door	Building 1 Foundry Exterior	40 LF	↓	↓
-27A	↓	↓	↓	↓	↓	↓
-28A	2600	Sand- Debris	Building 1 Foundry - Western Front	110,000 SF	Yes	↓
-29A	↓	↓	" " - Eastern Middle	↓	↓	↓

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/16/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** _____

Received by: (Print/Sign) Kelly Eckhart _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

L10368

VIVA
— EHS —

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/switch		**Project#:** 250640
Sample Date: 09/16/25	**Inspector:** SG/DK/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Foundry - Building 1	**Comments:**	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091625-30A	2600	Sand- Debris	Building 1 Foundry - Center Front	110,000	Yes	N/A
-31A	1	1	" " - Rear Center Offices	1	↓	

6 Hour TAT Contact: (Name, Email, Phone) _____ At: _____

Samples Collected by: (Print/Sign) Dean Kolb Dean Kolb Date: 09/16/25

Transmitted to Lab by: (Print/Sign) Dean Kolb Dean Kolb Date: 09/18/25

Received by: (Print/Sign) Kelly Eckhart Kelly Eckhart Date: 9/18/25 3pm

Analyzed by: (Print/Sign) _____ Date: _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Building 1 – Foundry Locker Room
(Project # 250640)

RE:

Project #: L10362 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/17/2025 Date Received: 9/18/2025 Date of Analysis: 9/23/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos
http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos
http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10362

LOCATION: DOT – FROG/SWITCH
BUILDING 1 - FOUNDRY LOCKER ROOM
(PROJECT# 250640)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/24/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10362-DK091725-01A: Paint associated with Wall (Blue) - HID# 2600 (Building 1 – Foundry – Locker Room)	No	Green/Blue	None Detected*	100% Non-Fibrous
L10362-DK091725-02A: Paint associated with Wall (Blue) - HID# 2600 (Building 1 – Foundry – Locker Room)	No	Green/Blue	None Detected*	100% Non-Fibrous
L10362-DK091725-03A: Paint associated with Wall (Blue) - HID# 2600 (Building 1 – Foundry – Locker Room)	No	Green/Blue	None Detected*	100% Non-Fibrous
L10362-DK091725-04A: Paint associated with Wall (Blue) - HID# 2600 (Building 1 – Foundry – Locker Room)	No	Green/Blue	None Detected*	100% Non-Fibrous
L10362-DK091725-05A: Paint associated with Wall (Blue) - HID# 2600 (Building 1 – Foundry – Locker Room)	No	Green/Blue	None Detected*	100% Non-Fibrous
L10362-DK091725-06A: Paint associated with Wall (Grey) - HID# 2601 (Building 1 – Foundry – Shower)	No	White/Gray	None Detected*	100% Non-Fibrous
L10362-DK091725-07A: Paint associated with Wall (Grey) - HID# 2601 (Building 1 – Foundry – Shower)	No	White/Gray	None Detected*	100% Non-Fibrous
L10362-DK091725-08A: Paint associated with Wall (Grey) - HID# 2601 (Building 1 – Foundry – Shower)	No	White/Gray	None Detected*	100% Non-Fibrous
L10362-DK091725-09A: Sheetrock - HID# 2100 (Building 1 – Foundry – Locker)	No	White/Tan	None Detected	5% Cellulose 95% Non-Fibrous
L10362-DK091725-09A: Joint Compound - HID# 2100 (Building 1 – Foundry – Locker)	No	Off-White	None Detected	100% Non-Fibrous
L10362-DK091725-10A: Sheetrock - HID# 2100 (Building 1 – Foundry – Locker)	No	White/Tan	None Detected	5% Cellulose 95% Non-Fibrous
L10362-DK091725-10A: Joint Compound - HID# 2100 (Building 1 – Foundry – Locker)	No	Off-White	None Detected	100% Non-Fibrous
L10362-DK091725-11A: Ceiling Tile 2x4 - HID# 1700 (Building 1 – Foundry – Locker)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous
L10362-DK091725-12A: Ceiling Tile 2x4 - HID# 1700 (Building 1 – Foundry – Locker)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous
L10362-DK091725-13A: Metal Ceiling Paint - HID# 2602 (Building 1 – Foundry – Locker)	No	Brown/White/ Green	None Detected*	100% Non-Fibrous
L10362-DK091725-14A: Metal Ceiling Paint - HID# 2602 (Building 1 – Foundry – Locker)	No	Brown/White/ Green	None Detected*	100% Non-Fibrous
L10362-DK091725-15A: Transite Ceiling - HID# 2300 (Building 1 – Foundry – Locker)	Yes	Gray	10% Chrysotile	90% Non-Fibrous
L10362-DK091725-16A: Transite Ceiling - HID# 2300 (Building 1 – Foundry – Locker)	Yes	Gray	10% Chrysotile	90% Non-Fibrous

NVLAP LAB CODE# 600273-0

Analyzed By: _____RGS_____ Reviewed/Authorized By: _____
Analytical Microscopist
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested, and as received, and shall not be reproduced, except in full, without the written approval of the laboratory. The US EPA defines asbestos containing materials as any material containing greater than 1% asbestos as determined by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in in Bulk Insulation Samples".

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

VIVA
— EHS —

Due Next Thurs 3pm

L1036Z

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250640
Sample Date: 09/17/25	**Inspector:** SG/DK/JW	**Project Manager:** SU	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building 1 - Foundry Locker Room	**Comments:** extension of Foundry	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091725-01A	2600	Paint A/W ~~DK~~ wall (Blue)	Building 1 - Foundry - Locker Room	200SF	Y	NA
-02A	↓	↓	↓	↓	↓	↓
-03A	↓	↓	↓	↓	↓	↓
-04A	↓	↓	↓	↓	↓	↓
-05A	↓	↓	↓	↓	↓	↓
-06A	2601	Paint A/W ~~DK~~ wall (Grey)	Building 1 Foundry - Shower	200 SF	↓	↓
-07A	↓	↓	↓	↓	↓	↓
-08A	↓	↓	↓	↓	↓	↓
-09A	2100	Sheetrock / Joint compound	Building 1 Foundry - Locker	700SF	↓	↓
-10A	↓	↓	↓	↓	↓	↓
-11A	1700	Ceiling Tile 2x4	Building 1 Foundry - Locker	600SF	↓	↓
-12A	↓	↓	↓	↓	↓	↓
-13A	2602	Metal ~~ceiling ROOF~~ ~~INTERIOR~~ ~~Paint Coating~~ (DK)	Building 1 Foundry - Locker	600SF	↓	↓
-14A	↓	↓	↓	↓	↓	↓
-15A	2300	Transite ceiling	Building 1 Foundry Locker	20 SF	N	↓

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/17/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

Received by: (Print/Sign) Kelly Feckhart _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

VIVA
— EHS —

L10362

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250640
Sample Date: 09/17/25	**Inspector:** SG/DK/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building 1 - Foundry - Locker Room	**Comments:** Extension of Foundry	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DH091725-KA	2300	Transite ceiling	Building 1 - Foundry - Locker	20 SF	N	N/A

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/17/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

Received by: (Print/Sign) Kelly Ethorn _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Silo - Stand Alone
(Project # 250640)

RE:

Project #: L10363 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/17/2025 Date Received: 9/18/2025 Date of Analysis: 9/23/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos
http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos
http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10363

LOCATION: DOT – FROG/SWITCH
SILO – STAND ALONE
(PROJECT# 250640)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/23/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10363-01D: Tar Mastic - HID# 2600 (Silo Exterior)	**Yes**	**Black**	**10% Chrysotile**	**90% Non-Fibrous**
L10363-02D: Tar Mastic - HID# 2600 (Silo Exterior)	**Yes**	**Black**	**10% Chrysotile**	**90% Non-Fibrous**

NVLAP LAB CODE# 600273-0

Analyzed By: _____
Carl Josephson
Quality Manager
Analytical Microscopist

Reviewed/Authorized By: _____
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested, and as received, and shall not be reproduced, except in full, without the written approval of the laboratory. The US EPA defines asbestos containing materials as any material containing greater than 1% asbestos as determined by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in in Bulk Insulation Samples".

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

VIVA
— EHS —

Due Next Thurs 3 pm

L10363

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** frog / switch		**Project#:** 250640
Sample Date: 09/17/25	**Inspector:** DK/SG/JW	**Project Manager:** SU	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 Week	**FS Name-#/Work Area:** Silo - stand alone	**Comments:** ~~NO suspect materials/paint observed~~ OK	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
-01D	2600	tar mastic	silo exterior	30LF	N	N/A
-02D	2600	tar mastic	↓	↓	↓	↓

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/17/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

Received by: (Print/Sign) Kelly Fedhart _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
FROG – Building 2
(Project # 250640)

RE:

Project #: L10367 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/15/2025 Date Received: 9/18/2025 Date of Analysis: 9/24/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10367

LOCATION: DOT – FROG/SWITCH
FROG – BUILDING 2
(**PROJECT# 250640**)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/24/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10367-DK091525-01A: Wire Wrapping - HID# 2600 (Frog Switch Boiler Room)	No	Black	None Detected*	10% Cellulose 90% Non-Fibrous
L10367-DK091525-02A: Wire Wrapping - HID# 2600 (Frog Switch Boiler Room)	No	Black	None Detected*	10% Cellulose 90% Non-Fibrous
L10367-DK091525-03A: White Boiler Packing - HID# 1600 (Frog Switch Boiler Room)	No	Tan	None Detected	75% Fibrous Glass 25% Non-Fibrous
L10367-DK091525-04A: White Boiler Packing - HID# 1600 (Frog Switch Boiler Room)	No	Tan	None Detected	75% Fibrous Glass 25% Non-Fibrous
L10367-DK091525-05A: White Boiler Packing - HID# 1600 (Frog Switch Boiler Room)	No	Tan	None Detected	75% Fibrous Glass 25% Non-Fibrous
L10367-DK091525-06A: Refractory Brick (Red) - HID# 2602 (Frog Switch Boiler Room)	No	Red	None Detected	100% Non-Fibrous
L10367-DK091525-07A: Refractory Brick (Red) - HID# 2602 (Frog Switch Boiler Room)	No	Red	None Detected	100% Non-Fibrous
L10367-DK091525-08A: Refractory Brick (Tan) - HID# 2603 (Frog Switch Boiler Room)	No	Light Tan	None Detected	100% Non-Fibrous
L10367-DK091525-09A: Refractory Brick (Tan) - HID# 2603 (Frog Switch Boiler Room)	No	Light Tan	None Detected	100% Non-Fibrous
L10367-DK091525-10A: Cementitious Mortar associated with Refractory Brick - HID# 2604 (Frog Switch Boiler Room)	No	Gray	None Detected	100% Non-Fibrous
L10367-DK091525-11A: Cementitious Mortar associated with Refractory Brick - HID# 2604 (Frog Switch Boiler Room)	No	Gray	None Detected	100% Non-Fibrous
L10367-DK091525-12A: Window Glazing - HID# 2606 (Frog - Exterior)	No	Gray	None Detected*	100% Non-Fibrous
L10367-DK091525-13A: Window Glazing - HID# 2606 (Frog - Exterior)	No	Gray	None Detected*	100% Non-Fibrous
L10367-DK091525-14A: Caulk associated with Window - HID# 2607 (Frog – Exterior)	No	White	None Detected*	100% Non-Fibrous
L10367-DK091525-15A: Caulk associated with Window - HID# 2607 (Frog – Exterior)	No	White	None Detected*	100% Non-Fibrous
L10367-DK091525-16A: Cementitious Paint (Wall) - HID# 2608 (Frog – Interior)	No	White	None Detected*	100% Non-Fibrous
L10367-DK091525-17A***: Cementitious Paint (Wall) - HID# 2608 (Frog – Interior)	***	***	***	***
L10367-DK091525-18A: Cementitious Paint (Wall) - HID# 2608 (Frog – Interior)	No	White	None Detected*	100% Non-Fibrous
L10367-DK091525-19A: Cementitious Paint (Wall) - HID# 2608 (Frog – Interior)	No	White	None Detected*	100% Non-Fibrous
L10367-DK091525-20A: Cementitious Paint (Wall) - HID# 2608 (Frog – Interior)	No	White	None Detected*	100% Non-Fibrous
L10367-DK091525-21A: Roll Down Door (Cloth) - HID# 2609 (Frog – Interior)	No	Brown	None Detected*	100% Synthetic
L10367-DK091525-22A: Roll Down Door (Cloth) - HID# 2609 (Frog – Interior)	No	Brown	None Detected*	100% Synthetic
L10367-DK091525-23A: Curtain Wall - HID# 2610 (Frog – Interior)	No	White	None Detected	100% Cotton
L10367-DK091525-24A: Curtain Wall - HID# 2610 (Frog – Interior)	No	White	None Detected	100% Cotton
L10367-DK091525-25A: Door Caulk - HID# 2611 (Frog – Switch; Exterior)	No	White	None Detected*	100% Non-Fibrous

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10367-DK091525-26A: Door Caulk - HID# 2611 (Frog – Switch; Exterior)	No	White	None Detected*	100% Non-Fibrous
L10367-DK091525-27A: Roof Membrane associated with A Frame Roof - HID# 2612 (Frog – Switch; Roof)	No	Black	None Detected*	100% Non-Fibrous
L10367-DK091525-27A: Roof Membrane associated with A Frame Roof - HID# 2612 (Frog – Switch; Roof); underlayment	No	Brown	None Detected	70% Cellulose 20% Fibrous Glass 10% Non-Fibrous
L10367-DK091525-27A: Roof Membrane associated with A Frame Roof - HID# 2612 (Frog – Switch; Roof); insulation	No	Yellow	None Detected*	100% Non-Fibrous
L10367-DK091525-28A: Roof Membrane associated with A Frame Roof - HID# 2612 (Frog – Switch; Roof)	No	Black	None Detected*	100% Non-Fibrous
L10367-DK091525-28A: Roof Membrane associated with A Frame Roof - HID# 2612 (Frog – Switch; Roof); underlayment	No	Brown	None Detected	70% Cellulose 20% Fibrous Glass 10% Non-Fibrous
L10367-DK091525-28A: Roof Membrane associated with A Frame Roof - HID# 2612 (Frog – Switch; Roof); insulation	No	Yellow	None Detected*	100% Non-Fibrous
L10367-DK091525-29A: 2x4 Dotted CT- HID# 1701 (Frog – Switch; Office)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous
L10367-DK091525-30A: 2x4 Dotted CT- HID# 1701 (Frog – Switch; Office)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous
L10367-DK091525-31A: 12x12 Brown Floor Tile - HID# 2001 (Frog – Switch; Office – 1st Layer)	No	Gray	None Detected*	100% Non-Fibrous
L10367-DK091525-31A(M): Mastic associated with 12x12 Brown Floor Tile - HID# 2500 (Frog – Switch; Office – 1st Layer)	No	Yellow	None Detected*	100% Non-Fibrous
L10367-DK091525-32A: 12x12 Brown Floor Tile - HID# 2001 (Frog – Switch; Office – 1st Layer)	No	Gray	None Detected*	100% Non-Fibrous
L10367-DK091525-32A(M): Mastic associated with 12x12 Brown Floor Tile- HID# 2500 (Frog – Switch; Office – 1st Layer)	No	Yellow	None Detected*	100% Non-Fibrous
L10367-DK091525-33A: 12x12 Tan Floor Tile with Tan Streaks - HID# 2002 (Frog – Switch; Office – 2nd Layer)	No	Tan	None Detected*	100% Non-Fibrous
L10367-DK091525-33A(M): Mastic associated with 12x12 Tan Floor Tile with Tan Streaks - HID# 2501 (Frog – Switch; Office – 2nd Layer)	No	Yellow	None Detected*	100% Non-Fibrous
L10367-DK091525-34A: 12x12 Tan Floor Tile with Tan Streaks - HID# 2002 (Frog – Switch; Office – 2nd Layer)	No	Tan	None Detected*	100% Non-Fibrous
L10367-DK091525-34A(M): Mastic associated with 12x12 Tan Floor Tile with Tan Streaks - HID# 2501 (Frog – Switch; Office – 2nd Layer)	No	Yellow	None Detected*	100% Non-Fibrous

NVLAP LAB CODE# 600273-0

Analyzed By: Carl Josephson
Carl Josephson
Quality Manager
Analytical Microscopist

Reviewed/Authorized By:
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested, and as received, and shall not be reproduced, except in full, without the written approval of the laboratory. The US EPA defines asbestos containing materials as any material containing greater than 1% asbestos as determined by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in in Bulk Insulation Samples".

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

***Insufficient material.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

VIVA

Due Next Thur 3pm

L10367

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/switch		**Project#:** 250640
Sample Date: 09/15/25	**Inspector:** DK/SG/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** FROG - Building 2	**Comments:** N/S Refers to NOT sampled material that was inspected	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091525-01A	2600	Wire wrapping	Frog Switch Boiler Room	1SF	N	N/A
-02A	〃	〃	〃	〃	〃	〃
N/S	2601	Rope material	〃	15LF	N	〃
-03A	1600	White Boiler Packing	〃	50SF	Y	〃
-04A	〃	〃	〃	〃	〃	〃
-05A	〃	〃	〃	〃	〃	〃
-06A	2602	Refractory Brick (Red)	〃	30SF	N	〃
-07A	〃	〃	〃	〃	〃	〃
-08A	2603	Refractory Brick (TAN)	〃	30SF	〃	〃
-09A	〃	〃	〃	〃	〃	〃
-10A	2604	Cementitis mortar A/W Refractory Brick	〃	20SF	Y	〃
-11A	〃	〃	〃	〃	〃	〃
N/S	2605	Firedoor - Boiler	〃	20SF	N	〃
-12A	2606	Window Glazing	Frog - exterior	3500LF	Y	〃
-13A	〃	〃	〃	〃	〃	〃

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/15/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

Received by: (Print/Sign) Kelly Fetner _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

VIVA

L10367

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/switch		**Project#:** 250640
Sample Date: 09/15/25	**Inspector:** DK/SG/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Frog	**Comments:** N/S Refers to NOT sampled Material inspected	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DN091525-14A	2607	Caulk A/W window	Frog - Exterior	72 LF	Y	N/A
-15A	↓	↓	↓	↓	↓	
-16A	2608	Cementitious Paint (wall)	Frog - Interior	3500 SF	Y	
-17A						
-18A						
-19A						
-20A						
N/S	1601	TSI		1500 LF	Y	
-21A	2609	Roll down Door (cloth)		200 SF	N	
-22A	↓	↓		↓		
-23A	2610	Curtain wall		1000 SF		
-24A	↓	↓		↓		
N/S	2000	12"x12" Floor tile	Frog - Interior - Lunch Room		N	
N/S	1700	2x4 Ceiling Tile	↓		Y	

6 Hour TAT Contact: (Name, Email, Phone) _____ At: _____

Samples Collected by: (Print/Sign) Dean Kolb _____ Date: 09/15/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ Date: 09/18/25

Received by: (Print/Sign) Kelly Felton _____ Date: 9/18/25 3pm

Analyzed by: (Print/Sign) _____ Date: _____

VIVA

L10367

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250640
Sample Date: 09/16/25	**Inspector:** DK/SG/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** F ROG	**Comments:**	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
-25A	2611	Door caulk	FROG SWITCH (Exterior)	12 LF	Y	NA
-26A	↓	↓	(Exterior)	↓	↓	↓
-27A	2612	Roof membrane A/N A frame roof	(Roof)	72,500SF	N	N/A
-28A	↓	↓	(Roof)	↓	↓	↓
-29A	1701	2x4 dotted CT	(Office)	400SF	Y	N/A
-30A	1701	↓	(Office)	↓	↓	↓
-31A	2001/2500	12x12 floor tile ~~w/ tan streaks~~/mastic	(Office - 1st layer)	400SF	N	↓
-32A	↓	↓	(Office - 1st layer)	↓	↓	↓
-33A	2002/2501	12x12 tan floor tile w/tanstreaks/mastic	(Office - 2nd layer)	↓	↓	↓
-34A	↓	↓	(Office - 2nd layer)	↓	↓	↓

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/16/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 9/18/25

Received by: (Print/Sign) Kelly Eckhart _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Main Office
(Project # 250640)

RE:

Project #: L10366 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/15/2025 Date Received: 9/18/2025 Date of Analysis: 9/23/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10366

LOCATION: DOT – FROG/SWITCH
MAIN OFFICE
(**PROJECT# 250640**)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/23/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10366-DK091525-01: Plaster - HID# 1900 (Building 3 – Main Office; Wall); Finish Coat	No	White	None Detected	100% Non-Fibrous
L10366-DK091525-01: Plaster - HID# 1900 (Building 3 – Main Office; Wall); Scratch Coat	No	Gray	None Detected	1% Cellulose 99% Non-Fibrous
L10366-DK091525-02: Plaster - HID# 1900 (Building 3 – Main Office; Wall); Finish Coat	No	White	None Detected	100% Non-Fibrous
L10366-DK091525-02: Plaster - HID# 1900 (Building 3 – Main Office; Wall); Scratch Coat	No	Gray	None Detected	1% Cellulose 99% Non-Fibrous
L10366-DK091525-03: Plaster - HID# 1900 (Building 3 – Main Office; Wall); Finish Coat	No	White	None Detected	100% Non-Fibrous
L10366-DK091525-03: Plaster - HID# 1900 (Building 3 – Main Office; Wall); Scratch Coat	No	Gray	None Detected	1% Cellulose 99% Non-Fibrous
L10366-DK091525-04: Sheetrock - HID# 2100 (Building 3 – Main Office)	No	White	None Detected	8% Cellulose 92% Non-Fibrous
L10366-DK091525-04: Joint Compound - HID# 2100 (Building 3 – Main Office)	No	Tan	None Detected	30% Synthetic 70% Non-Fibrous
L10366-DK091525-05: Sheetrock - HID# 2100 (Building 3 – Main Office)	No	White	None Detected	8% Cellulose 92% Non-Fibrous
L10366-DK091525-05: Joint Compound - HID# 2100 (Building 3 – Main Office)	No	Tan	None Detected	30% Synthetic 70% Non-Fibrous
L10366-DK091525-06: Ceiling Tile 2'x4' - HID# 1700 (Building 3 – Main Office)	No	White	None Detected	60% Cellulose 20% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-07: Ceiling Tile 2'x4' - HID# 1700 (Building 3 – Main Office)	No	White	None Detected	60% Cellulose 20% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-08: Ceiling Tile 2x2 Textured - HID# 1701 (Building 3 – Main Office)	No	White	None Detected	30% Cellulose 50% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-09: Ceiling Tile 2x2 Textured - HID# 1701 (Building 3 – Main Office)	No	White	None Detected	30% Cellulose 50% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-10: Ceiling Tile 2x4 Textured - HID# 1702 (Building 3 – Main Office)	No	White	None Detected	60% Cellulose 20% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-11: Ceiling Tile 2x4 Textured - HID# 1702 (Building 3 – Main Office)	No	White	None Detected	60% Cellulose 20% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-12: Plaster (2nd Floor) - HID# 1901 (Building 3 – Main Office); type 1	Yes	White	<1% Chrysotile	<1% Hair 99% Non-Fibrous
L10366-DK091525-12: Plaster (2nd Floor) - HID# 1901 (Building 3 – Main Office); type 2	No	Gray	None Detected	100% Non-Fibrous
L10366-DK091525-13: Plaster (2nd Floor) - HID# 1901 (Building 3 – Main Office); type 1	Yes	White	<1% Chrysotile	<1% Hair 99% Non-Fibrous
L10366-DK091525-13: Plaster (2nd Floor) - HID# 1901 (Building 3 – Main Office); type 2	No	Gray	None Detected	100% Non-Fibrous
L10366-DK091525-14: Glue associated with Cove Base - HID# 2600 (Building 3 – Main Office)	No	Brown	None Detected*	100% Non-Fibrous
L10366-DK091525-15: Glue associated with Cove Base - HID# 2600 (Building 3 – Main Office)	No	Brown	None Detected*	100% Non-Fibrous

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10366-DK091525-16: Ceiling Tile 2x2 (Rouged) - HID# 1703 (Building 3 – Main Office)	No	White	None Detected	75% Cellulose 5% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-17: Ceiling Tile 2x2 (Rouged) - HID# 1703 (Building 3 – Main Office)	No	White	None Detected	75% Cellulose 5% Fibrous Glass 20% Non-Fibrous
L10366-DK091525-18: Glue associated with Carpet - HID# 2601 (Building 3 – Main Office)	No	Brown	None Detected*	2% Cellulose 98% Non-Fibrous
L10366-DK091525-19: Glue associated with Carpet - HID# 2601 (Building 3 – Main Office)	No	Brown	None Detected*	2% Cellulose 98% Non-Fibrous
L10366-DK091525-20: Floor Tile 9"x9" (Vault) - HID# 2000 (Building 3 – Main Office)	Yes	Brown	8% Chrysotile	92% Non-Fibrous
L10366-DK091525-20(M): Mastic associated with Floor Tile 9"x9" (Vault) - HID# 2000 (Building 3 – Main Office)	No	Brown	None Detected*	2% Cellulose 98% Non-Fibrous
L10366-DK091525-21: Floor Tile 9"x9" (Vault) - HID# 2000 (Building 3 – Main Office)	Yes	Brown	8% Chrysotile	92% Non-Fibrous
L10366-DK091525-21(M): Mastic associated with Floor Tile 9"x9" (Vault) - HID# 2000 (Building 3 – Main Office)	No	Brown	None Detected*	2% Cellulose 98% Non-Fibrous
L10366-DK091525-22: Fire Door - HID# 2602 (Vault)	No	Gray	None Detected	100% Non-Fibrous
L10366-DK091525-23: Fire Door - HID# 2602 (Vault)	No	Gray	None Detected	100% Non-Fibrous
L10366-DK091525-24: Tar/Asphalt Shingle associated with A Frame Roof - HID# 2603 (Building 3 Main Office)	No	Black/Red	None Detected*	60% Cellulose 40% Non-Fibrous
L10366-DK091525-25: Tar/Asphalt Shingle associated with A Frame Roof - HID# 2603 (Building 3 Main Office)	No	Black/Red	None Detected*	60% Cellulose 40% Non-Fibrous
L10366-DK091525-26: Perimeter Roof Flashing - HID# 2604 (Roof)	Yes	Black	2% Chrysotile	98% Non-Fibrous
L10366-DK091525-27: Perimeter Roof Flashing - HID# 2604 (Roof)	Yes	Black	<1% Chrysotile	100% Non-Fibrous
L10366-DK091525-28: Window Glazing (2nd Floor) - HID# 2605 (Building 3 Main Office Exterior)	Yes	Black/Tan	3% Chrysotile	2% Wollastonite 95% Non-Fibrous
L10366-DK091525-29: Window Glazing (2nd Floor) - HID# 2605 (Building 3 Main Office Exterior)	Yes	Black/Tan	3% Chrysotile	2% Wollastonite 95% Non-Fibrous

NVLAP LAB CODE# 600273-0

Analyzed By: Carl Josephson SC
Carl Josephson/SC
Quality Manager
Analytical Microscopists

Reviewed/Authorized By:
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested, and as received, and shall not be reproduced, except in full, without the written approval of the laboratory. The US EPA defines asbestos containing materials as any material containing greater than 1% asbestos as determined by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in in Bulk Insulation Samples".

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

VIVA

Due Next Thurs 3pm L10366

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** frog/switch		**Project#:** 250640
Sample Date: 09/15/25	**Inspector:** DL/SG/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Main Office	**Comments:**	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
N/S	1800	1'x1' Spline Cieling Tile + Mastic	Building 3 - Main office	2000SF	N	N/A
1) K091525-01	1900	Plaster ~~(wall)~~ (X)	Building 3 - Maw office (wall)	3000SF	Y	↓
-02	↓	↓	↓	↓	↓	↓
-03	↓	↓	↓	↓	↓	↓
-04	2100	SHEETROCK / Joint Compound	Building 3- Main office	7000 SF	Y	↓
-05	↓	↓	↓	↓	↓	↓
-06	1700	Cieling Tile 2'x4'	↓	~~2500~~2000SF	N	↓
-07	↓	↓	↓	↓	↓	↓
-08	1701	Cieling Tile 2x2 Textured	↓	850SF	Y	↓
-09	↓	↓	↓	↓	↓	↓
-10	1702	Cieling Tile 2x4 textured	↓	500 SF	Y	↓
-11	↓	↓	↓	↓	↓	↓
-12	1901	Plaster (2nd Floor)	↓	750 SF	Y	↓
-13	↓	↓	↓	↓	↓	↓
-14	2600	Glue a/w Cove Base	↓	1300 SF	N	↓

6 Hour TAT Contact: (Name, Email, Phone) _____ At: _____

Samples Collected by: (Print/Sign) Dean Kolb _____ Date: 09/15/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ Date: 09/18/25

Received by: (Print/Sign) Kelly Eckhart _____ Date: 9/18/25 3pm

Analyzed by: (Print/Sign) _____ Date: _____

VIVA
— EHS —

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

L10366

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250640
Sample Date: 09/15/25	**Inspector:** DK/SG/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Main office		**Comments:**

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091525-#5	2600	Glue A/W Cove Base	Building 3 Main Office	1300 SF	N	N/A
-16	1703	Ceiling Tile 2x2 (Rouged)		2200SF	Y	
-17	〃	〃	〃	〃	〃	
-18	2601	Glue A/W Carpet		4000SF	N	
-19	〃	〃	〃	〃	〃	
-20	2000	Floor Tile 9"x9" (Vault) + Mastic		96SF	N	
-21	〃	〃	〃	〃	〃	
-22	2602	Firedoor	Vault	60SF(3EA)	N	
-23	〃	↓	↓	〃	〃	
-24	2603	Tar // Asphalt Shingle A/W Underroof	Building 3 Main Office	240 SF	N	
-25	〃	〃	〃	〃	〃	
-26	2604	Perimeter roof flashing	roof	100 LF	N	
-27	〃	〃	〃	〃	〃	
-28	2605	Window Glazing (2nd Floor)	Building 3 Main Office Exterior	108 LF	Y	
-29	〃	〃	〃	〃	〃	〃

6 Hour TAT Contact: (Name, Email, Phone) _____ At: _____

Samples Collected by: (Print/Sign) Dean Kolb Dean Kolb Date: 09/15/25

Transmitted to Lab by: (Print/Sign) Dean Kolb Dean Kolb Date: 09/18/25

Received by: (Print/Sign) Kelly Eckhart Kelly Eckhart Date: 9/18/25 3pm

Analyzed by: (Print/Sign) _____ Date: _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Building 5
(Project # 250640)

RE:

Project #: L10360 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/18/2025 Date Received: 9/18/2025 Date of Analysis: 9/23/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10360

LOCATION: DOT – FROG/SWITCH
BUILDING 5
(PROJECT# 250640)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/23/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10360-DK091825-01: Caulk associated with Door - HID# 2600 (Building 5 – Side Storage)	Yes	White/Tan/ Gray	<1% Chrysotile	100% Non-Fibrous
L10360-DK091825-02: Caulk associated with Door - HID# 2600 (Building 5 – Side Storage)	Yes	White/Tan/ Gray	<1% Chrysotile	100% Non-Fibrous
L10360-DK091825-03: Mortar associated with CMU - HID# 2601 (Building 5 – Side Storage)	No	Gray	None Detected	100% Non-Fibrous
L10360-DK091825-04: Mortar associated with CMU - HID# 2601 (Building 5 – Side Storage)	No	Gray	None Detected	100% Non-Fibrous
L10360-DK091825-05: Mortar Debris associated with Brick - HID# 2602 (Building 5 – Side Storage)	No	Gray	None Detected	100% Non-Fibrous
L10360-DK091825-06: Mortar Debris associated with Brick - HID# 2602 (Building 5 – Side Storage)	No	Gray	None Detected	100% Non-Fibrous
L10360-DK091825-07: Ceiling Tile 2x4 - HID# 1700 (Building 5 – Hallway to Rear Storage)	No	White/Gray	None Detected	25% Cellulose 2% Fibrous Glass 73% Non-Fibrous
L10360-DK091825-08: Ceiling Tile 2x4 - HID# 1700 (Building 5 – Hallway to Rear Storage)	No	White/Gray	None Detected	25% Cellulose 2% Fibrous Glass 73% Non-Fibrous
L10360-DK091825-09: Sheet Rock (No JC) - HID# 2100 (Building 5 – Hallway to Rear Storage)	No	Brown/ Light Gray	None Detected	10% Cellulose 90% Non-Fibrous
L10360-DK091825-10: Sheet Rock (No JC) - HID# 2100 (Building 5 – Hallway to Rear Storage)	No	Brown/ Light Gray	None Detected	10% Cellulose 90% Non-Fibrous
L10360-DK091825-11: Sheet Rock (No JC) - HID# 2100 (Building 5 – Hallway to Rear Storage)	No	Brown/ Light Gray	None Detected	10% Cellulose 90% Non-Fibrous
L10360-DK091825-12: Window Caulk - HID# 2603 (Building 5 – Rear Storage)	Yes	Dark Brown	8% Chrysotile	92% Non-Fibrous
L10360-DK091825-13: Window Caulk - HID# 2603 (Building 5 – Rear Storage)	Yes	Dark Brown	8% Chrysotile	92% Non-Fibrous
L10360-DK091825-14: Floor Tile 12x12 - HID# 2000 (Building 5 – Office)	No	Off-White	None Detected*	2% Cellulose 98% Non-Fibrous
L10360-DK091825-14(M): Mastic associated with Floor Tile 12x12 - HID# 2000 (Building 5 – Office)	No	Black/Yellow	None Detected*	100% Non-Fibrous
L10360-DK091825-15: Floor Tile 12x12 - HID# 2000 (Building 5 – Office)	No	Off-White	None Detected*	2% Cellulose 98% Non-Fibrous
L10360-DK091825-15(M): Mastic associated with Floor Tile 12x12 - HID# 2000 (Building 5 – Office)	No	Black/Yellow	None Detected*	100% Non-Fibrous
L10360-DK091825-16: Floor Tile 9x9 - HID# 2001 (Building 5 – Office)	No	Gray	None Detected*	100% Non-Fibrous
L10360-DK091825-16(M): Mastic associated with Floor Tile 9x9 - HID# 2001 (Building 5 – Office)	No	Black	None Detected*	100% Non-Fibrous
L10360-DK091825-16: Leveling Compound associated with Floor Tile 9x9 - HID# 2001 (Building 5 – Office)	No	Black	None Detected	2% Cellulose 98% Non-Fibrous
L10360-DK091825-17: Floor Tile 9x9 - HID# 2001 (Building 5 – Office)	No	Gray	None Detected*	100% Non-Fibrous

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10360-DK091825-17(M): Mastic associated with Floor Tile 9x9 - HID# 2001 (Building 5 – Office)	No	Black	None Detected*	100% Non-Fibrous
L10360-DK091825-17: Leveling Compound associated with Floor Tile 9x9 - HID# 2001 (Building 5 – Office)	No	Gray	None Detected	100% Non-Fibrous
L10360-DK091825-18: Sheetrock - HID# 2101 (Building 5 – Locker)	No	Brown/Tan/ Gray	None Detected	60% Cellulose 40% Non-Fibrous
L10360-DK091825-18: Joint Compound - HID# 2101 (Building 5 – Locker)	No	White	None Detected	100% Non-Fibrous
L10360-DK091825-19: Sheetrock - HID# 2101 (Building 5 – Locker)	No	Brown/Tan/ Gray	None Detected	60% Cellulose 40% Non-Fibrous
L10360-DK091825-19: Joint Compound - HID# 2101 (Building 5 – Locker)	No	White	None Detected	100% Non-Fibrous

NVLAP LAB CODE# 600273-0

Analyzed By: _____RGS_____
Analytical Microscopist

Reviewed/Authorized By: _____
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

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This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

VIVA
— EHS —

Due at 3pm Thurs

L10360

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/switch		**Project#:** 250640
Sample Date: 09/15/25	**Inspector:** SG/DK/JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building 5	**Comments:**	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091525-01	2600	Caulk a/w Door	Building 5 - Side storage	15 LF	N	N/A
-02	1	1	1	1	1	
-03	2601	Mortar A/w CMU	Build 5 - ~~Ware House~~ (AW) side storage	100SF	N	
-04	1	1	1	1	1	
-05	2602	Mortar Debris A/w Brick	Building 5 - side storage	500SF	N	
-06	1	1	1	1	1	
-07	1700	Cieling Tile 2x4	Building 5- Hallway to Rear storage	200SF	Y	
-08	1	1	1	1	1	
-09	2100	Sheet Rock (NO JC)	Building 5 - Hallway to Rear storage	900SF	Y	N/A
-10	1	1	1	1	1	
-11	1	1	1	1	1	
-12	2603	Window ~~Glazing~~ (PW) caulk	Building 5 - Rear storage	20 LF	N	
-13	1	1	1	1	1	
-14	2000	Floor tile 12x12	Building 5- OFFICE	40SF	N	NA
-15	1	1	1	1	1	1

6 Hour TAT Contact: (Name, Email, Phone)

Samples Collected by: (Print/Sign) Deon Kolb — **At:**

Transmitted to Lab by: (Print/Sign) Deon Kolb — **Date:** 09/18/25

Received by: (Print/Sign) Kelly Eckhart — **Date:** 09/18/25

Analyzed by: (Print/Sign) — **Date:** 9/18/25 3pm

Date:

VIVA
— EHS —

L10360

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog / Switch		**Project#:** 250640
Sample Date: 09/18/25	**Inspector:** SG/DK/STW	**Project Manager:** SU	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building 5	**Comments:**	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DW091825-16	2001	Floor Tile 9x9	Building 5 - Office	120SF	N	No
-17	1	1	1	1	1	1
-18	2101	sheet rock + JC	Building 5 - Locker	800SF	Y	No
-19	1	1	1	1	1	1

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

Received by: (Print/Sign) Kelly Fisher _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Building 13 – Break Room
(Project # 250640)

RE:

Project #: L10361 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/16/2025 Date Received: 9/18/2025 Date of Analysis: 9/23/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos
http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos
http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10361

LOCATION: DOT – FROG/SWITCH
BUILDING 13 – BREAK ROOM
(**PROJECT# 250640)**

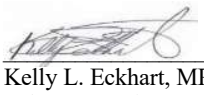
DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/23/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10361-DK091625-01: Glue associated with Cove Base - HID# 2600 (Building 13 – Break Room)	No	Brown	None Detected*	1% Cellulose 99% Non-Fibrous
L10361-DK091625-02: Glue associated with Cove Base - HID# 2600 (Building 13 – Break Room)	No	Brown	None Detected*	1% Cellulose 99% Non-Fibrous
L10361-DK091625-03: Glue associated with Carpet - HID# 2601 (Building 13 – Break Room)	No	Brown	None Detected*	100% Non-Fibrous
L10361-DK091625-04: Glue associated with Carpet - HID# 2601 (Building 13 – Break Room)	No	Brown	None Detected*	100% Non-Fibrous
L10361-DK091625-05: Ceiling Tile 2x4 - HID# 1700 (Building 13 – Break Room)	No	White	None Detected	60% Cellulose 20% Fibrous Glass 20% Non-Fibrous
L10361-DK091625-06: Ceiling Tile 2x4 - HID# 1700 (Building 13 – Break Room)	No	White	None Detected	60% Cellulose 20% Fibrous Glass 20% Non-Fibrous
L10361-DK091625-07: Floor Tile 9”x9”; Layer 1 - HID# 2000 (Building 13 – Break Room)	No	Gray	None Detected*	100% Non-Fibrous
L10361-DK091625-07: Glue associated with Floor Tile 9”x9”; Layer 1 - HID# 2000 (Building 13 – Break Room)	No	Brown/Tan	None Detected*	1% Cellulose 99% Non-Fibrous
L10361-DK091625-08: Floor Tile 9”x9”; Layer 1 - HID# 2000 (Building 13 – Break Room)	No	Gray	None Detected*	100% Non-Fibrous
L10361-DK091625-08: Glue associated with Floor Tile 9”x9”; Layer 1 - HID# 2000 (Building 13 – Break Room)	No	Brown/Tan	None Detected*	1% Cellulose 99% Non-Fibrous
L10361-DK091625-09: Floor Tile 12x12; Layer 2 - HID# 2001 (Building 13 – Break Room)	No	Gray	None Detected*	100% Non-Fibrous
L10361-DK091625-09(M): Mastic associated with Floor Tile 12x12; Layer 2 - HID# 2001 (Building 13 – Break Room)	No	Black/Brown	None Detected*	1% Cellulose 99% Non-Fibrous
L10361-DK091625-10: Floor Tile 12x12; Layer 2 - HID# 2001 (Building 13 – Break Room)	No	Gray	None Detected*	100% Non-Fibrous
L10361-DK091625-10(M): Mastic associated with Floor Tile 12x12; Layer 2 - HID# 2001 (Building 13 – Break Room)	No	Black/Brown	None Detected*	1% Cellulose 99% Non-Fibrous
L10361-DK091625-11: Floor Leveler - HID# 2602 (Building 13 – Break Room)	No	White	None Detected	100% Non-Fibrous
L10361-DK091625-12: Floor Leveler - HID# 2602 (Building 13 – Break Room)	No	White	None Detected	100% Non-Fibrous
L10361-DK091625-13: Window Glazing - HID# 2603 (Building 13 – Break Room)	No	Gray	None Detected*	1% Wollastonite 99% Non-Fibrous
L10361-DK091625-14: Window Glazing - HID# 2603 (Building 13 – Break Room)	No	Gray	None Detected*	1% Wollastonite 99% Non-Fibrous
L10361-DK091625-15: Caulk associated with Door - HID# 2604 (Building 13 – Break Room)	No	White	None Detected*	100% Non-Fibrous
L10361-DK091625-16: Caulk associated with Door - HID# 2604 (Building 13 – Break Room)	No	White	None Detected*	100% Non-Fibrous

NVLAP LAB CODE# 600273-0

Analyzed By: SC
Analytical Microscopist

Reviewed/Authorized By: 
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

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**Sample not analyzed due to customer-requested positive stop.

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END OF REPORT

VIVA

Due Not Thurs 3pm

L10361

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250640
Sample Date: 09/16/25	**Inspector:** SG+ DK + JTW	**Project Manager:** SV	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building 13 - Break Room		**Comments:**

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091625-01	2600	Glue A/W cove Base	Building 13 - Break Room	75 SF	N	N/A
-02	〃	〃	〃	〃	〃	〃
-03	2601	Glue A/W carpet	〃	600 SF	〃	〃
-04	〃	〃	〃	〃	〃	〃
-05	1700	Cieling Tile 2x4	〃	750 SF	Y	〃
-06	1700	〃	〃	〃	〃	〃
-07	2000	Floor Tile 9"x9" + Glue (Layer 1)	〃	450 SF ~~+40~~ SF	N	〃
-08	〃	〃	〃	〃	〃	〃
-09	2001	Floor Tile 12x12 + MASTIC (Layer 2)	〃	〃	〃	〃
-10	〃	〃	〃	〃	〃	〃
-11	2602	Floor Leveler	〃	300 SF	Y	〃
-12	〃	〃	〃	〃	〃	〃
-13	2603	Window Glazing	〃	540 LF	N	〃
-14	〃	〃	〃	〃	〃	〃
-15	2604	Caulk A/W Door	〃	30 LF	N	〃

6 Hour TAT Contact: (Name, Email, Phone)		**At:**	
Samples Collected by: (Print/Sign)	Dean Kolb	**Date:**	09/16/25
Transmitted to Lab by: (Print/Sign)	Dean Kolb	**Date:**	09/18/25
Received by: (Print/Sign)	Kelly Talbot	**Date:**	9/18/25 3pm
Analyzed by: (Print/Sign)		**Date:**	

VIVA

L10361

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250690
Sample Date: 09/16/25	**Inspector:** SG+DK+JTW	**Project Manager:** SV	**Analysis:** PLM TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building 13 - Break Room		**Comments:**

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091625-16	2604	Caulk A/W Door	Building 13 Break Room	30 LF	N	N/A

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/16/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

Received by: (Print/Sign) Kelly Feltner _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Building 20
(Project # 250640)

RE:

Project #: L10364 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/17/2025 Date Received: 9/18/2025 Date of Analysis: 9/23/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos
http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos
http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10364

LOCATION: DOT – FROG/SWITCH
BUILDING 20
(PROJECT# 250640)

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/23/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10364-DK091725-01: Window Glazing - HID# 2600 (Building 20)	**Yes**	**Gray**	**<1% Chrysotile**	**5% Talc 95% Non-Fibrous**
L10364-DK091725-02: Window Glazing - HID# 2600 (Building 20)	**Yes**	**Gray**	**10% Chrysotile**	**90% Non-Fibrous**

NVLAP LAB CODE# 600273-0

Analyzed By: RGS
Analytical Microscopist

Reviewed/Authorized By:
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested, and as received, and shall not be reproduced, except in full, without the written approval of the laboratory. The US EPA defines asbestos containing materials as any material containing greater than 1% asbestos as determined by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in in Bulk Insulation Samples".

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

VIVA
— EHS —

Due Next Thurs 3 pm

L/0364

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250640
Sample Date: 09/17/25	**Inspector:** SG/DK/JTW	**Project Manager:** SV	**Analysis:** PLM TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building 20	**Comments:**	

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DK091725-01	2600	Window glazing	Building 20	32 Lf	Y	N/A
-02	1	1	1	1	1	1

6 Hour TAT Contact: (Name, Email, Phone) _____ At: _____

Samples Collected by: (Print/Sign) Dean Kolb _____ Date: 09/17/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ Date: 09/18/25

Received by: (Print/Sign) Kelly Eckhart _____ Date: 9/18/25 3pm

Analyzed by: (Print/Sign) _____ Date: _____

Eckhart Environmental Services, LLC

Report Prepared For:

Viva Environmental, Health, & Safety, LLC
Mr. Steven Vena
2201 S 3rd Street
Philadelphia, Pennsylvania 19148

Address of Project/Test Site:

DOT – Frog/Switch
Building – Pattern Shop
(Project # 250640)

RE:

Project #: L10365 Sent Via: svena@vivaehs.com, info@vivaehs.com

Date Collected: 9/17/2025 Date Received: 9/18/2025 Date of Analysis: 9/23/2025 Report Date: 9/24/2025

Analytical Testing: Polarized Light Microscopy – Bulk Asbestos Testing

Approved By:



Kelly L. Eckhart, MPH
Laboratory Director, Analytical Microscopist

Amendments:

Attached please find the results for the sample(s) submitted to Eckhart Environmental Services, LLC for asbestos bulk analysis. Sample analysis was performed by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples."

Sample results for identified asbestos fibrous materials are reported as a percent (1%) value based on visual area estimation under microscopic examination. Asbestos concentrations are reported as "trace" where limited individual asbestos fibers, or bundles, are identified but not on a consistent basis indicative of a homogenous material. Where requested, point count percentage results are also calculated and presented.

Please note that individual state and local jurisdictions typically establish or adopt specific sampling criteria and threshold values for asbestos sampling results. Federal regulations regarding asbestos are promulgated by both the EPA and OSHA. This report presents the analytical testing results of samples submitted and is not an interpretation in comparison to such criteria or values.

Additional information regarding asbestos can be found at:

http://www.epa.gov/asbestos
http://www.osha.gov/SLTC/asbestos/index.html
http://www.atsdr.cdc.gov/asbestos
http://www.cdc.gov/niosh/topics/asbestos

For inquiries of professional decision-making determinations regarding analytical results, contact the individual/firm whom collected the samples at the project site. In consideration of current customer services/restrictions, Eckhart Environmental Services, LLC's Project Management staff may provide site-specific services and professional decision-making determinations under separate agreement and at an additional cost.

Restrictions/Limitations:

Laboratory results represent optical microscopic analytical work performed on samples submitted by the customer to Eckhart Environmental Services, LLC for analysis. All supplementary information regarding sample volume, location, activity, etc. was provided by the customer. Analytical results are unique to each project and must be evaluated by the individual whom collected the sample(s). Eckhart Environmental Services, LLC has no control of the sample collection process, sample placement, collection volume/area/size nor activity/conditions present at the collection site. Therefore, Eckhart Environmental Services, LLC shall have no liability with respect to decisions made, or actions taken, regarding reported results. Liability on the part of Eckhart Environmental Services, LLC is limited to the monetary value paid for this report.

Eckhart Environmental Services, LLC

ASBESTOS BULK SAMPLE ANALYSIS REPORT

CLIENT: VIVA ENVIRONMENTAL, HEALTH, & SAFETY, LLC
PHILADELPHIA, PENNSYLVANIA

EES PROJECT #: L10365

LOCATION: DOT – FROG/SWITCH
BUILDING – PATTERN SHOP
(**PROJECT# 250640)**

DATE RECEIVED: 9/18/2025

DATE ANALYZED: 9/23/2025

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	% ASBESTOS AND TYPE	% OTHER MATERIALS
L10365-DK091725-01C: Ceiling Tile – 2x4 - HID# 1700 (Pattern Shop Office)	**No**	**White**	**None Detected**	**35% Cellulose 35% Fibrous Glass 30% Non-Fibrous**
L10365-DK091725-02C: Ceiling Tile – 2x4 - HID# 1700 (Pattern Shop Office)	**No**	**White**	**None Detected**	**35% Cellulose 35% Fibrous Glass 30% Non-Fibrous**
L10365-DK091725-03C: Floor Tile 12x12 - HID# 2000 (Pattern Shop Office)	**No**	**Yellow**	**None Detected***	**100% Non-Fibrous**
L10365-DK091725-03C(M): Mastic associated with Floor Tile 12x12 - HID# 2000 (Pattern Shop Office)	**No**	**Yellow**	**None Detected***	**100% Non-Fibrous**
L10365-DK091725-04C: Floor Tile 12x12 - HID# 2000 (Pattern Shop Office)	**No**	**Yellow**	**None Detected***	**100% Non-Fibrous**
L10365-DK091725-04C(M): Mastic associated with Floor Tile 12x12 - HID# 2000 (Pattern Shop Office)	**No**	**Yellow**	**None Detected***	**100% Non-Fibrous**
L10365-DK091725-05C: Glue associated with Cove Base - HID# 2600 (Pattern Shop Office)	**No**	**Yellow**	**None Detected***	**100% Non-Fibrous**
L10365-DK091725-06C: Glue associated with Cove Base - HID# 2600 (Pattern Shop Office)	**No**	**Yellow**	**None Detected***	**100% Non-Fibrous**

NVLAP LAB CODE# 600273-0

Analyzed By: _____
Carl Josephson
Quality Manager
Analytical Microscopist

Reviewed/Authorized By: _____
Kelly L. Eckhart, MPH
Laboratory Director
Analytical Microscopist

Note: The above results represent analytical work performed on samples collected by the customer and submitted to EES for analysis. All supplementary information regarding the samples (i.e., location, sample type, etc.) was provided by the customer.

The report refers specifically to samples tested, and as received, and shall not be reproduced, except in full, without the written approval of the laboratory. The US EPA defines asbestos containing materials as any material containing greater than 1% asbestos as determined by Polarized Light Microscopy in accordance with EPA Method 600/R-93/116 and EPA – "Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in in Bulk Insulation Samples".

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

*EES recommends that NOB materials (such as floor coverings, mastic, roofing products, vinyl materials, etc.) demonstrating negative results by PLM for asbestos be re-analyzed by TEM.

**Sample not analyzed due to customer-requested positive stop.

For samples where no asbestos was detected, a minimum of three (3) slide mounts was examined.

The quantity of samples submitted to EES's laboratory was determined by the customer. EPA AHERA Regulation 40 CFR 763.86 sampling requires samples to be collected by a certified inspector in a statistically random manner and in sufficient quantity to confirm negative results. The sample quantity for negative asbestos determination varies according to the amount of suspect ACM present as well as the material classification (surfacing material, thermal system insulation, or miscellaneous material). The customer is responsible for verification of EPA requirements for negative asbestos determination prior to utilization of EES's laboratory findings.

END OF REPORT

VIVA
— EHS —

Due Next Thurs 3 pm

L10365

Viva Environmental, Health, & Safety, LLC.

Asbestos Bulk Sample Log & Chain of Custody

Client: DOT	**Site Address:** Frog/Switch		**Project#:** 250640
Sample Date: 09/17/25	**Inspector:** SG/DR/JTW	**Project Manager:** SU	**Analysis:** (PLM) TEM Other
Turnaround Time: 1 week	**FS Name-#/Work Area:** Building - Pattern Shop		**Comments:**

Sample #	HID #	Material Description (Incl. Color)	Sample Location	Qty (SF/LF/EA)	Friable (Y/N)	Damage (SF/LF/EA)
DR091725-01E	1700	Ceiling Tile - 2x4	Pattern Shop Office	250 SF	Y	N/A
-02E	〃	〃	〃	〃	〃	〃
-03E	2000	Floor Tile 12x12 w/ mastic	Pattern Shop Office	250 SF	N	〃
-04E	〃	〃	〃	〃	〃	〃
-05E	2600	Glue A/w Cove Base	Pattern Shop Office	30SF	Y	〃
-06E	〃	〃	〃	〃	〃	〃

6 Hour TAT Contact: (Name, Email, Phone) _____ **At:** _____

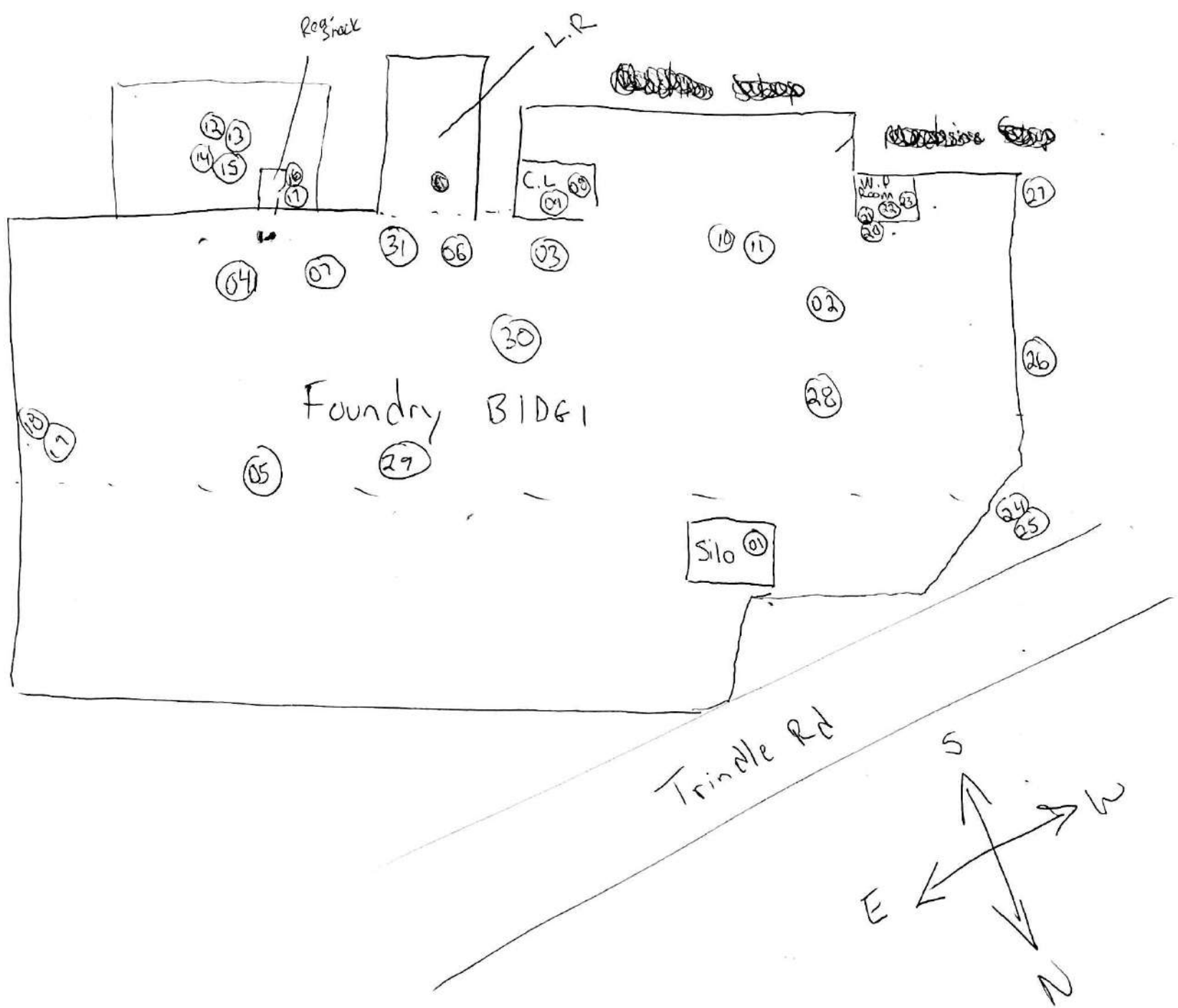
Samples Collected by: (Print/Sign) Dean Kolb _____ **Date:** 09/17/25

Transmitted to Lab by: (Print/Sign) Dean Kolb _____ **Date:** 09/18/25

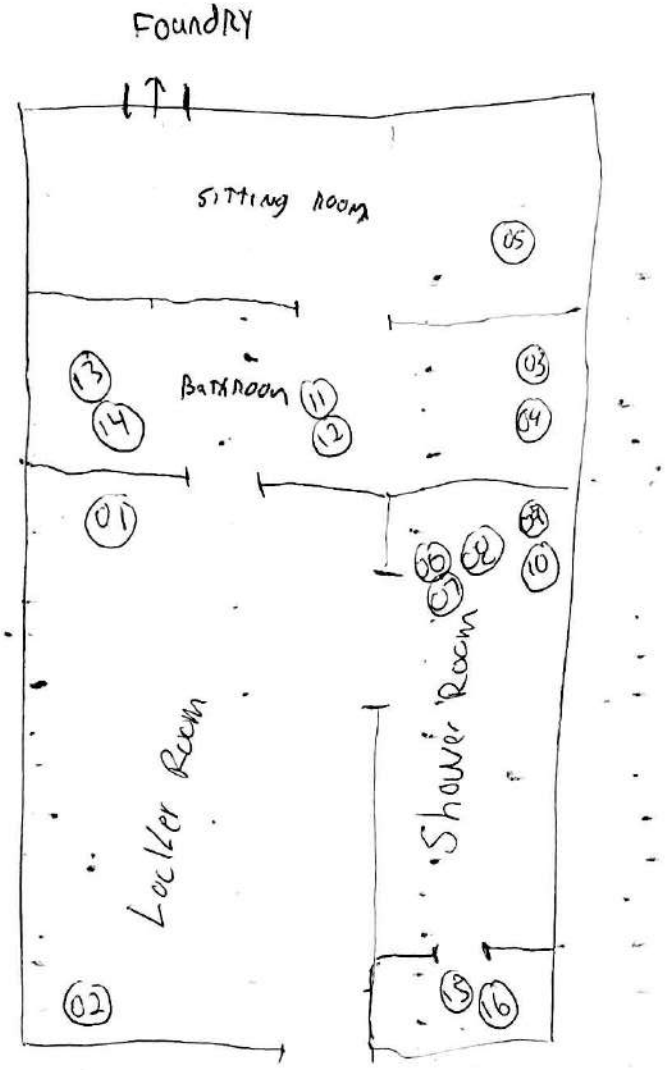
Received by: (Print/Sign) Kelly Feather _____ **Date:** 9/18/25 3pm

Analyzed by: (Print/Sign) _____ **Date:** _____

Annotated Site Plans with Asbestos Bulk Sample Locations

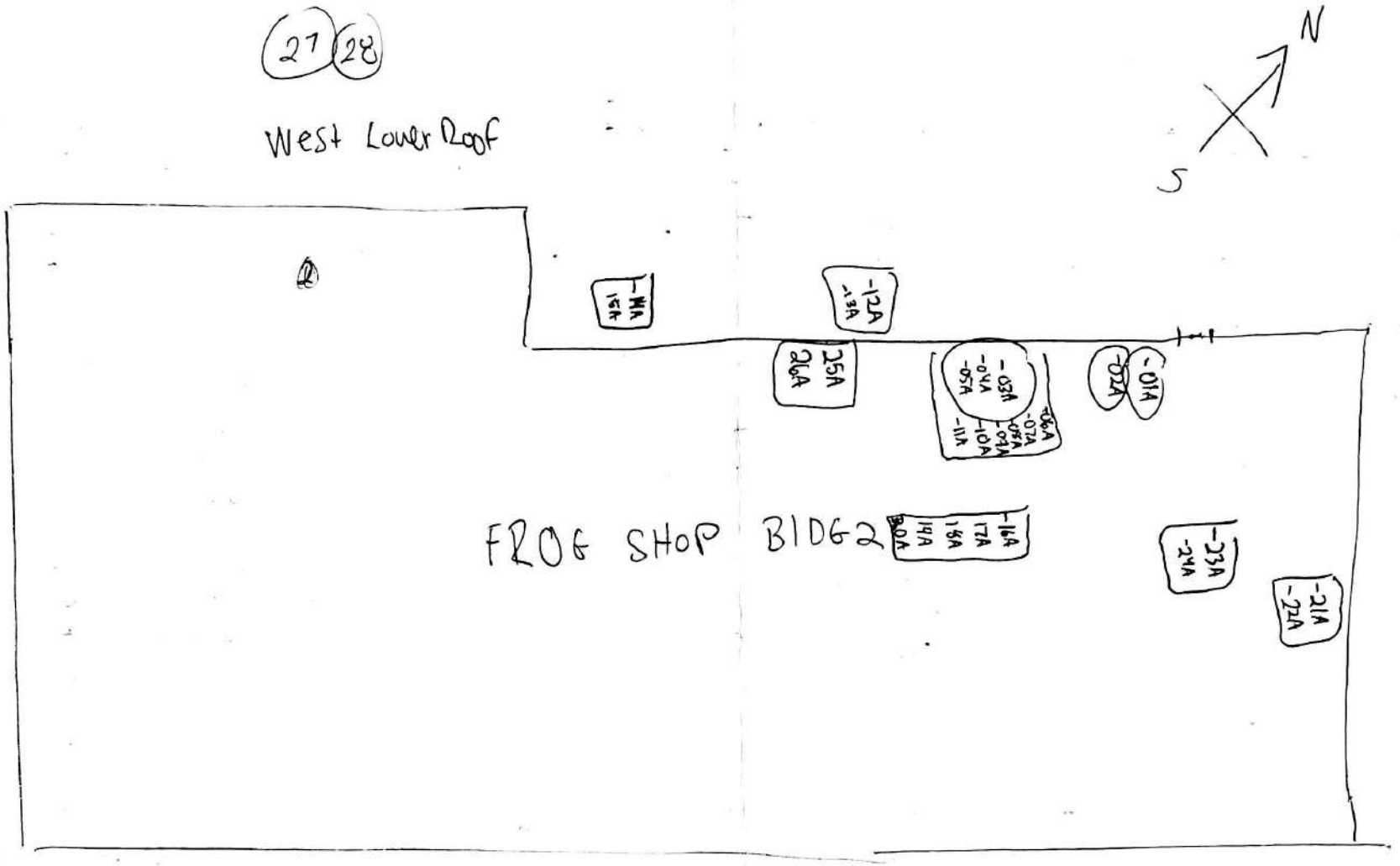

Rag Track
L.R
C.L
W.P Room
Foundry BIDG 1
Silo
Trindle Rd
S
W
E
N

Bldg 1 (Locker Room)



(27) (28)

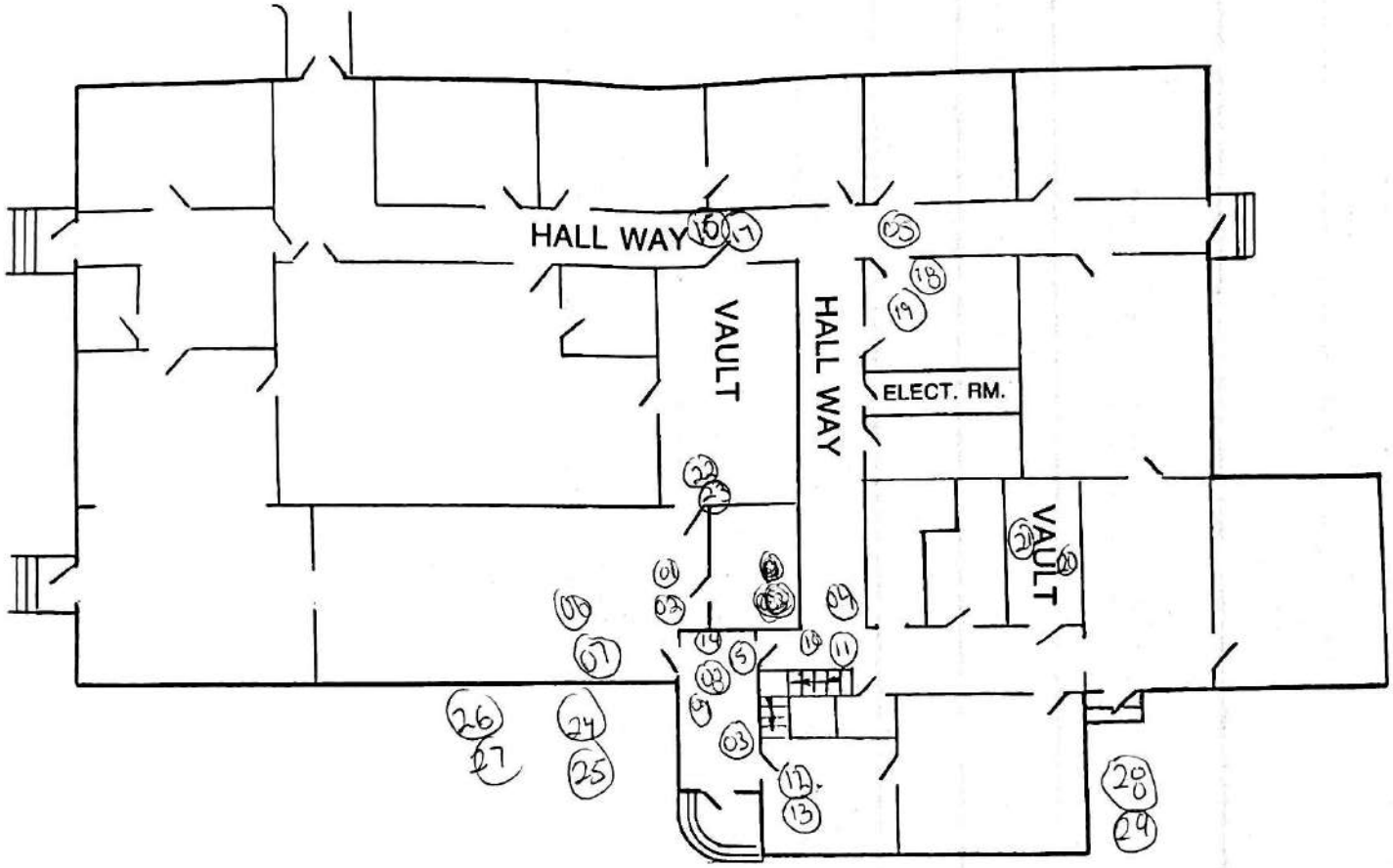
West Lower Roof



THE FROG, SWITCH
& MANUFACTURING CO.

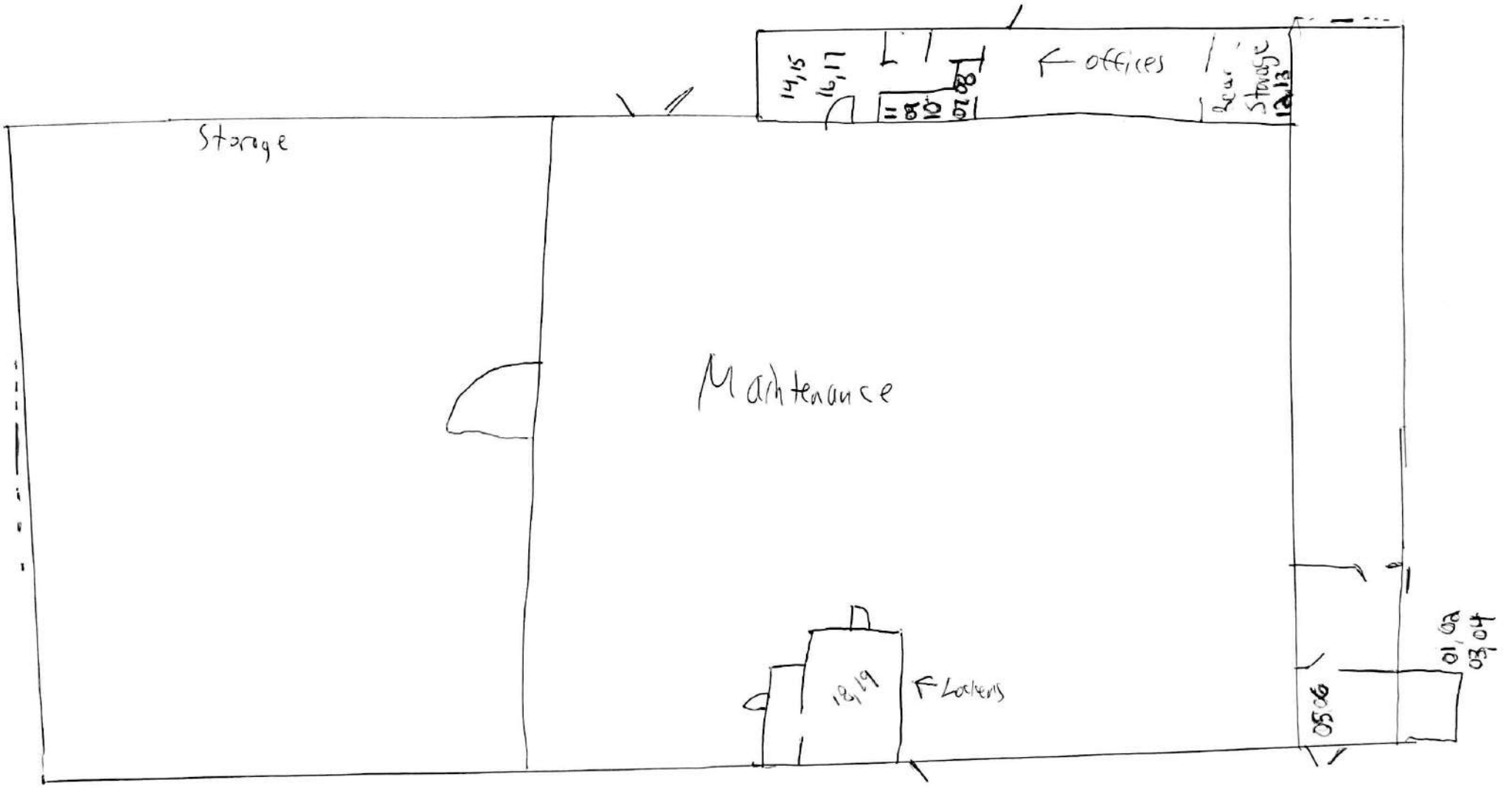
BUILDING NO. 3

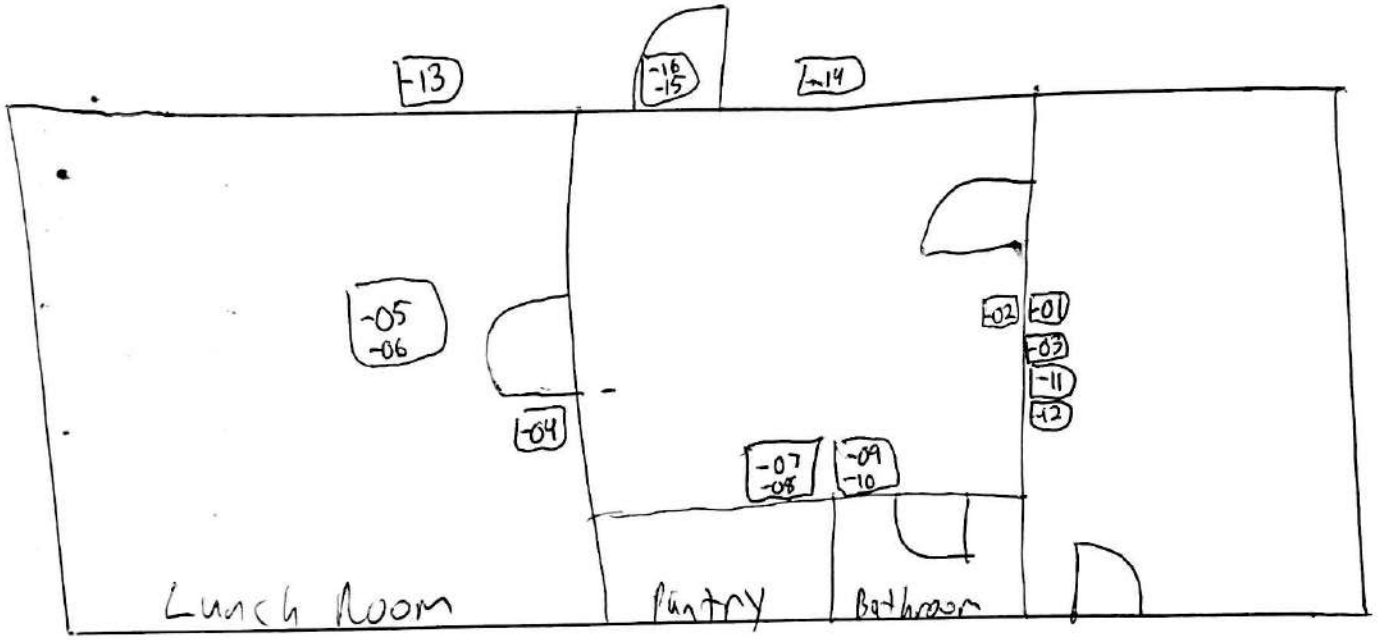
MAIN OFFICE



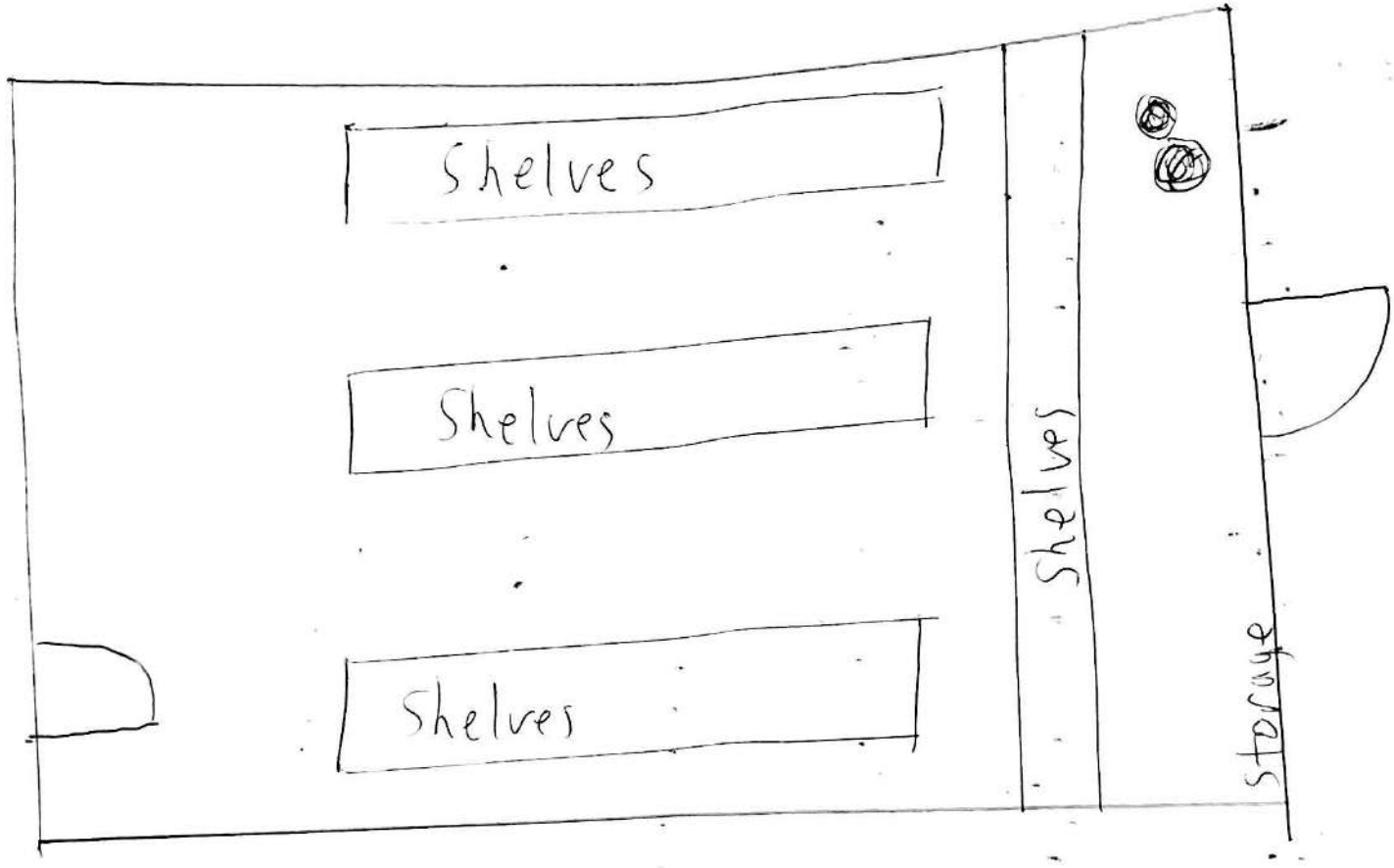
ASSEMBLY AREA: SOUTHWEST PARKING LOT

Building 5 – Maintenance

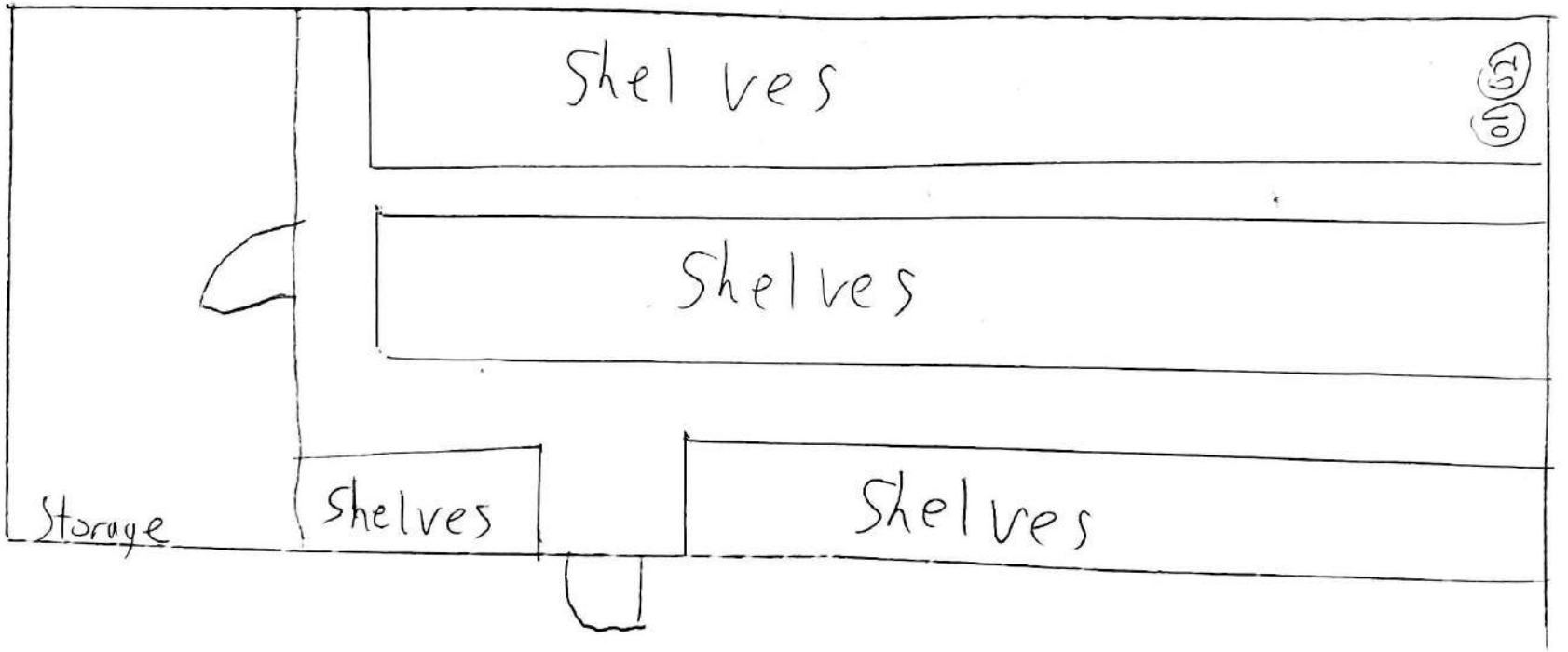




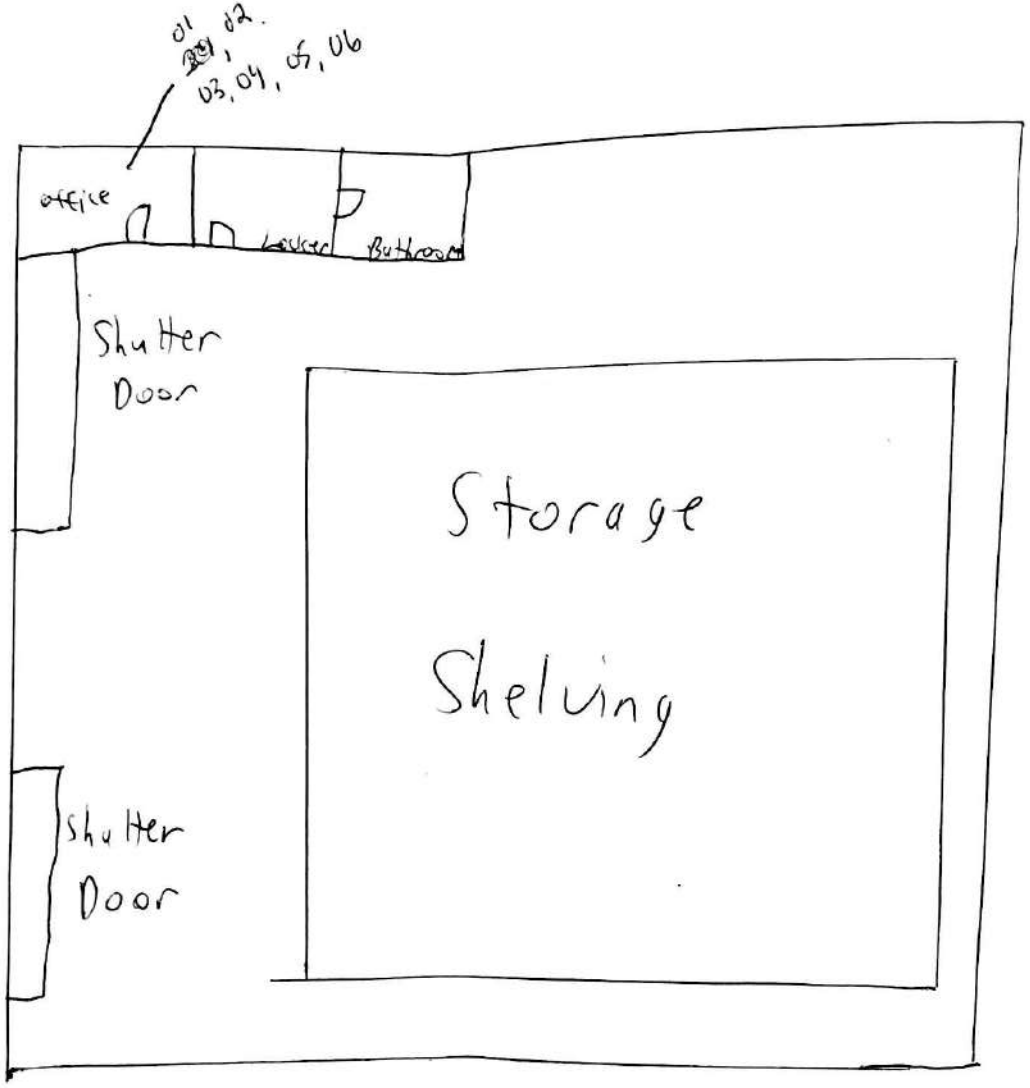
Building 13 — Break room



Building 18 – storage



Building - 20



Pattern Shop -

May 2021 Asbestos Survey by Cumberland Analytical Laboratories, Inc (CALI).

ASBESTOS IDENTIFICATION SURVEY REPORT

PROJECT LOCATION:

Frog Switch
600 East High Street
Carlisle, Pennsylvania

INSPECTION DATE:

May 3, 2021 and May 7, 2021

PREPARED FOR:

Mr. Warren Bieger
Mr. Daniel M. Gibbs
Frog Switch
600 East High Street
Carlisle, Pennsylvania 17013

CALI PROJECT NUMBER:

21-1034-019

INSPECTION REPORT DATE:

May 18, 2021

ASBESTOS IDENTIFICATION SURVEY PERFORMED BY:



Andrew R. Spriggle, Pennsylvania Asbestos Inspector #032501
Richard E. Roush, Pennsylvania Asbestos Building Inspector and Manager Planner
and Lonnie R. Eslinger, Jr., Industrial Hygienist

CUMBERLAND ANALYTICAL LABORATORIES, INC.
125 Frytown Road
Carlisle, Pennsylvania 17015
Phone: (717) 379-3782
Fax: (717) 776-6436
E-Mail: rich.roush@c-analytical.com www.cumberlandanalyticallabs.com

Table of Contents

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Polarized Light Microscopy (PLM) Results Data Table: 3
Conclusion/Recommendations: 10
Disclaimer: 10

Executive Summary:

In May of 2021, Cumberland Analytical Laboratories, Inc. (CALI) was retained by Mr. Warren Bieger and Mr. Daniel M. Gibbs of Frog Switch to conduct an **Asbestos Identification Survey** at the Frog Switch Facility located at 600 East High Street in Carlisle, Pennsylvania to identify suspect Asbestos-Containing Materials (ACM) from within the structures. The entire facility was evaluated during the survey.

The U.S. Environmental Protection Agency (EPA) defines ACM as any material that contains greater than 1% asbestos by PLM analysis. All sampled materials which contained one or more of the following asbestos types above 1% by laboratory analysis would be defined as ACM: chrysotile, amosite, crocidolite, tremolite, anthophyllite, or actinolite.

The Occupational Safety and Health Administration (OSHA) defines ACM as any material that contains a detectable amount of asbestos. Therefore, materials that contain less than 1% asbestos would be regulated by OSHA under 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry). Any disturbance and/or removal of an ACM must be performed in accordance with the OSHA regulations by professionally trained and protected individuals using proper work practices and engineering controls.

The Scope of Work for this survey consisted of a visual inspection of all accessible areas within the select areas of the structures to identify suspect asbestos-containing materials. Bulk samples were collected as part of the survey to confirm or dismiss the presence of asbestos within the accessible suspected materials. During the sampling of suspect homogeneous materials from the structure a total of 111 homogeneous materials were analyzed. The results of the ACM survey performed have confirmed that asbestos-containing materials were found from within the structure:

- 15 Linear Feet of Rope Material in the Frog Shop Old Boiler Room.
- 2,000 Linear Feet of Thermal System Insulation in the Old Frog Shop
- 2,000 Ft.² of Asbestos Drywall Compound in the Machine Shop Bathroom
- 90,000 Ft.² of Roofing Material Foundry and Office Building Combine
- Entire Office Building Drywall Compound – No Quantity Known

Please review the Polarized Light Microscopy (PLM) Results Data Tables for additional sample information.

Polarized Light Microscopy (PLM) Results Data Table:				
SAMPLE NUMBER/ DESCRIPTION/LOCATION	**ASBESTOS PRESENT**	**COLOR**	**ASBESTOS TYPE**	**PERCENTAGE OTHER MATERIALS**
L1428-01: Rope Material (Frog Shop)	Yes	White	75% Chrysotile	25% Cellulose
L1428-02: Rope Material (Frog Shop)	Sample Not Analyzed - Stop Positive.			
L1428-03: Rope Material (Frog Shop)	Sample Not Analyzed - Stop Positive.			
L1428-04: Refractory Material (Frog Shop)	No	Red	None Detected	100% Non-Fibrous Materials
L1428-05: Refractory Material (Frog Shop)	No	Tan	None Detected	100% Non-Fibrous Materials
L1428-06: Refractory Material (Frog Shop)	No	Tan	None Detected	100% Non-Fibrous Materials
L1428-07: Refractory Material (Frog Shop)	No	Tan	None Detected	15% Fibrous Glass 85% Non-Fibrous Materials
L1428-08: TSI (Frog Shop)	Yes	White	10% Amosite	90% Non-Fibrous Materials
L1428-09: TSI (Frog Shop)	Sample Not Analyzed - Stop Positive.			
L1428-10: TSI (Frog Shop)	Sample Not Analyzed - Stop Positive.			
L1428-11: Beige Tile 12" x 12" (Frog Shop Lunch)	No	Beige	None Detected	100% Non-Fibrous Materials
L1428-11M: Mastic Associated with Beige Tile 12" x 12" (Frog Shop Lunch)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-12: Beige Tile 12" x 12" (Frog Shop Lunch)	No	Beige	None Detected	100% Non-Fibrous Materials
L1428-12M: Mastic Associated with Beige Tile 12" x 12" (Frog Shop Lunch)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-13: Beige Tile 12" x 12" (Frog Shop Lunch)	No	Beige	None Detected	100% Non-Fibrous Materials
L1428-13M: Mastic Associated with Beige Tile 12" x 12" (Frog Shop Lunch)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-14: Ceiling Tile (Frog Shop Lunch)	No	White/Tan	None Detected	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous Materials
L1428-15: Ceiling Tile (Frog Shop Lunch)	No	White/Tan	None Detected	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous Materials
L1428-16: Ceiling Tile (Frog Shop Lunch)	No	White/Tan	None Detected	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous Materials
L1428-17: Exterior Parging (Frog Shop)	No	Gray	None Detected	100% Non-Fibrous Materials

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	ASBESTOS TYPE	PERCENTAGE OTHER MATERIALS
L1428-18: Exterior Parging (Frog Shop)	No	Gray	None Detected	100% Non-Fibrous Materials
L1428-19: Exterior Parging (Frog Shop)	No	Gray	None Detected	100% Non-Fibrous Materials
L1428-20: 1 x 1 Ceiling Tile (Warehouse)	No	Tan	None Detected	95% Cellulose 5% Non-Fibrous Materials
L1428-21: 1 x 1 Ceiling Tile (Warehouse)	No	Tan	None Detected	95% Cellulose 5% Non-Fibrous Materials
L1428-22: 1 x 1 Ceiling Tile (Warehouse)	No	Tan	None Detected	95% Cellulose 5% Non-Fibrous Materials
L1428-23: Window Glazing (Old Machine Shop)	No	Gray	None Detected	100% Non-Fibrous Materials
L1428-24: Window Glazing (Old Machine Shop)	No	Gray	None Detected	100% Non-Fibrous Materials
L1428-25: South Lab (Foundry 12" x 12" on Wood)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-25M: Mastic Associated with South Lab (Foundry 12" x 12" on Wood)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-26: South Lab (Foundry 12" x 12" on Wood)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-26M: Mastic Associated with South Lab (Foundry 12" x 12" on Wood)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-27: South Lab (Foundry 12" x 12" on Wood)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-27M: Mastic Associated with South Lab (Foundry 12" x 12" on Wood)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-28: Core Room Dry Wall Compound (Foundry); Drywall Only	No	White/Tan	None Detected	5% Cellulose <1% Fibrous Glass 94% Non-Fibrous Materials
L1428-29: Core Room Dry Wall Compound (Foundry); Joint Compound Only	No	White	None Detected	100% Non-Fibrous Materials
L1428-30: Spray on Ceiling (Foundry)	No	Black	None Detected	90% Cellulose <1% Fibrous Glass 10% Non-Fibrous Materials
L1428-31: Spray on Ceiling (Foundry)	No	Black	None Detected	90% Cellulose <1% Fibrous Glass 10% Non-Fibrous Materials
L1428-32: Spray on Ceiling (Foundry)	No	Black	None Detected	90% Cellulose <1% Fibrous Glass 10% Non-Fibrous Materials
L1428-33: Beige Floor Tile 12" x 12" (Foundry)	No	Gray	None Detected	100% Non-Fibrous Materials
L1428-33M: Mastic Associated with Beige Floor Tile 12" x 12" (Foundry)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-34: Beige Floor Tile 12" x 12" (Foundry)	No	Gray	None Detected	100% Non-Fibrous Materials

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	ASBESTOS TYPE	PERCENTAGE OTHER MATERIALS
L1428-34M: Mastic Associated with Beige Floor Tile 12" x 12" (Foundry)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-35: Beige Floor Tile 12" x 12" (Foundry)	No	Gray	None Detected	100% Non-Fibrous Materials
L1428-35M: Mastic Associated with Beige Floor Tile 12" x 12" (Foundry)	No	Yellow	None Detected	<1% Cellulose 99% Non-Fibrous Materials
L1428-36: 2 x 4 Ceiling Tile (Foundry)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous Materials
L1428-37: 2 x 4 Ceiling Tile (Foundry)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous Materials
L1428-38: 2 x 4 Ceiling Tile (Foundry)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous Materials
L1428-39: Drywall Compound (Foundry)	No	White/Tan	None Detected	5% Cellulose <1% Fibrous Glass 94% Non-Fibrous Materials
L1428-40: Drywall Compound (Foundry)	No	White/Tan	None Detected	5% Cellulose <1% Fibrous Glass 94% Non-Fibrous Materials
L1428-41: Drywall Compound (Foundry)	No	White/Tan	None Detected	5% Cellulose <1% Fibrous Glass 94% Non-Fibrous Materials
L1428-42: Transite South Side Roof (Foundry)	Yes	Gray	10% Chrysotile	90% Non-Fibrous Materials
L1428-43: Transite Roof South Side (Foundry)	Sample Not Analyzed - Stop Positive.			
L1428-44: Transite Roof South Side (Foundry)	Sample Not Analyzed - Stop Positive.			
L1428-45: Composite Drywall/Compound (Machine Shop); Drywall Only	No	White/Tan	None Detected	5% Cellulose 95% Non-Fibrous Materials
L1428-46: Composite Drywall/Compound (Machine Shop)	Yes	White/Tan	<1% Chrysotile	5% Cellulose 94% Non-Fibrous Materials
L1428-47: Composite Drywall/Compound (Machine Shop)	Yes	White/Tan	<1% Chrysotile	5% Cellulose 94% Non-Fibrous Materials
L1428-48: 12" x 12" Beige Floor Tile (Guard Shack)	No	Beige	None Detected	100% Non-Fibrous Materials
L1428-48M: Mastic Associated with 12" x 12" Beige Floor Tile (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-49: 12" x 12" Beige Floor Tile (Guard Shack)	No	Beige	None Detected	100% Non-Fibrous Materials
L1428-49M: Mastic Associated with 12" x 12" Beige Floor Tile (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-50: 12" x 12" Beige Floor Tile (Guard Shack)	No	Beige	None Detected	100% Non-Fibrous Materials

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	ASBESTOS TYPE	PERCENTAGE OTHER MATERIALS
L1428-50M: Mastic Associated with 12" x 12" Beige Floor Tile (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-51: 2 x 4 Ceiling Tile (Guard Shack)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous Materials
L1428-52: 2 x 4 Ceiling Tile (Guard Shack)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous Materials
L1428-53: 2 x 4 Ceiling Tile (Guard Shack)	No	White/Tan	None Detected	35% Cellulose 35% Fibrous Glass 30% Non-Fibrous Materials
L1428-54: 12" x 12" Yellow (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-54M: Mastic Associated with 12" x 12" Yellow (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-55: 12" x 12" Yellow (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-55M: Mastic Associated with 12" x 12" Yellow (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-56: 12" x 12" Yellow (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-56M: Mastic Associated with 12" x 12" Yellow (Guard Shack)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-57: Drywall/Compound Composite (Guard Shack)	No	White/Tan	None Detected	5% Cellulose 95% Non-Fibrous Materials
L1428-58: Drywall/Compound Composite (Guard Shack)	No	White/Tan	None Detected	5% Cellulose 95% Non-Fibrous Materials
L1428-59: Drywall/Compound Composite (Guard Shack)	No	White/Tan	None Detected	5% Cellulose 95% Non-Fibrous Materials
L1428-60: 2 x 4 Ceiling Tile (Guard Shack)	No	White/Tan	None Detected	20% Cellulose 40% Fibrous Glass 40% Non-Fibrous Materials
L1428-61: 2 x 4 Ceiling Tile (Guard Shack)	No	White/Tan	None Detected	20% Cellulose 40% Fibrous Glass 40% Non-Fibrous Materials
L1428-62: 2 x 4 Ceiling Tile (Guard Shack)	No	White/Tan	None Detected	20% Cellulose 40% Fibrous Glass 40% Non-Fibrous Materials
L1428-63: 1 x 1 Ceiling Tile (Main Office)	No	White/Gray	None Detected	<1% Cellulose 90% Fibrous Glass 9% Non-Fibrous Materials
L1428-63M: Mastic Associated with 1 x 1 Ceiling Tile (Main Office)	No	Brown	None Detected	<1% Cellulose <1% Fibrous Glass 99% Non-Fibrous Materials
L1428-64: 1 x 1 Ceiling Tile (Main Office)	No	White/Gray	None Detected	<1% Cellulose 90% Fibrous Glass 9% Non-Fibrous Materials

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	ASBESTOS TYPE	PERCENTAGE OTHER MATERIALS
L1428-64M: Mastic Associated with 1 x 1 Ceiling Tile (Main Office)	No	Brown	None Detected	<1% Cellulose <1% Fibrous Glass 99% Non-Fibrous Materials
L1428-65: 1 x 1 Ceiling Tile (Main Office)	No	White/Gray	None Detected	<1% Cellulose 90% Fibrous Glass 9% Non-Fibrous Materials
L1428-65M: Mastic Associated with 1 x 1 Ceiling Tile (Main Office)	No	Brown	None Detected	<1% Cellulose <1% Fibrous Glass 99% Non-Fibrous Materials
L1428-66: 12" x 12" Multi Color 1st Floor (Main Office)	No	Tan	None Detected	100% Non-Fibrous Materials
L1428-66M: Mastic Associated with 12" x 12" Multi Color 1st Floor (Main Office)	No	Brown	None Detected	100% Non-Fibrous Materials
L1428-67: 12" x 12" Multi Color 1st Floor (Main Office)	No	Tan	None Detected	100% Non-Fibrous Materials
L1428-67M: Mastic Associated with 12" x 12" Multi Color 1st Floor (Main Office)	No	Brown	None Detected	100% Non-Fibrous Materials
L1428-68: 12" x 12" Multi Color 1st Floor (Main Office)	No	Tan	None Detected	100% Non-Fibrous Materials
L1428-68M: Mastic Associated with 12" x 12" Multi Color 1st Floor (Main Office)	No	Brown	None Detected	100% Non-Fibrous Materials
L1428-69: Window Caulking (Main Office)	No	Tan	None Detected	100% Non-Fibrous Materials
L1428-70: Transite Roof (Main Office)	Yes	Gray	10% Chrysotile	90% Non-Fibrous Materials
L1428-71: Composite Drywall/Compound (Main Office)	Yes	White/Tan	<1% Chrysotile	5% Cellulose 94% Non-Fibrous Materials
L1428-72: Composite Drywall/Compound (Main Office)	Yes	White/Tan	<1% Chrysotile	5% Cellulose 94% Non-Fibrous Materials
L1428-73: Composite Drywall/Compound (Main Office); Wall Mix	No	White/Tan/ Gray	None Detected	100% Non-Fibrous Materials
L1428-74: Vault 12" x 12" (Main Office)	No	White	None Detected	100% Non-Fibrous Materials
L1428-74M: Mastic Associated with Vault 12" x 12" (Main Office)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-74: Leveling Compound Associated with Vault 12" x 12" (Main Office)	No	Gray	None Detected	5% Cellulose 95% Non-Fibrous Materials
L1428-75: Vault 12" x 12" (Main Office)	No	White	None Detected	100% Non-Fibrous Materials
L1428-75M: Mastic Associated with Vault 12" x 12" (Main Office)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-75: Leveling Compound Associated with Vault 12" x 12" (Main Office)	No	Gray	None Detected	5% Cellulose 95% Non-Fibrous Materials
L1428-76: Vault 12" x 12" (Main Office)	No	White	None Detected	100% Non-Fibrous Materials

SAMPLE NUMBER/ DESCRIPTION/LOCATION	ASBESTOS PRESENT	COLOR	ASBESTOS TYPE	PERCENTAGE OTHER MATERIALS
L1428-76M: Mastic Associated with Vault 12" x 12" (Main Office)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-76: Leveling Compound Associated with Vault 12" x 12" (Main Office)	No	Gray	None Detected	5% Cellulose 95% Non-Fibrous Materials
L1428-77: North Roof Coating (Foundry)	Yes	Gray	10% Chrysotile	90% Non-Fibrous Materials
L1428-78: Center Roof Material (Foundry)	Yes	Gray	20% Chrysotile	80% Non-Fibrous Materials
L1428-80: Linoleum (Break Room)	No	White/Gray	None Detected	10% Fibrous Glass 90% Non-Fibrous Materials
L1428-80M: Mastic Associated with Linoleum (Break Room)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-81: Linoleum (Break Room)	No	White/Gray	None Detected	10% Fibrous Glass 90% Non-Fibrous Materials
L1428-81M: Mastic Associated with Linoleum (Break Room)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-82: Linoleum (Break Room)	No	White/Gray	None Detected	10% Fibrous Glass 90% Non-Fibrous Materials
L1428-82M: Mastic Associated with Linoleum (Break Room)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-83: 12" x 12" Flooring (Break Room)	No	White	None Detected	100% Non-Fibrous Materials
L1428-83M: Mastic Associated with 12" x 12" Flooring (Break Room)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-84: 12" x 12" Flooring (Break Room)	No	White	None Detected	100% Non-Fibrous Materials
L1428-84M: Mastic Associated with 12" x 12" Flooring (Break Room)	No	Yellow	None Detected	100% Non-Fibrous Materials
L1428-85: 12" x 12" Flooring (Break Room)	No	White	None Detected	100% Non-Fibrous Materials
L1428-85M: Mastic Associated with 12" x 12" Flooring (Break Room)	No	Yellow	None Detected	100% Non-Fibrous Materials

- Please note that, while this survey was performed in a thorough manner to locate and sample all suspect materials, additional suspect materials or undocumented asbestos-containing materials may still be located within the building in such areas as inside wall, ceiling, and floor cavities, underground or buried locations, roofing, HVAC equipment, coated/wrapped electrical wire/conduits and other inaccessible location. These materials may not be observed until renovation/demolition activities are commenced.
- Any materials not listed or specifically identified as part of this survey must be positively identified to verify the existence or absence of asbestos prior to the start of future demolition or renovations.

Methods and Analysis – Asbestos PLM Bulk Sampling:

Asbestos Sampling:

All samples were collected by a Pennsylvania Licensed Certified Asbestos Building Inspector to ensure efficient scheduling, priority analysis, and thorough documentation and record keeping during the survey. Bulk samples were collected from accessible suspected ACM within the structure areas during the survey under EPA recommended procedures to minimize fiber release and performed in accordance with EPA 40 CFR Part 763 SubPart E. Core samples of each material were collected to its substrate by penetrating the materials outer covering. Duplicate samples of similar materials from adjacent locations were compared for uniformity of texture and color. All samples were placed in sealed containers and labeled with an identifying code. A chain of custody for each collected sample was documented throughout the sample collection process to ensure proper quality control.

Asbestos Sample Analysis:

Bulk samples collected during this survey were packaged for proper shipment and delivered to Eckhart Environmental Services, LLC, an American Industrial Hygiene Association (AIHA) accredited laboratory located in Media, Pennsylvania. Samples were analyzed using Polarized Light Microscopy (PLM) with central stop dispersion staining techniques, using the EPA's "Method for the Determination of Asbestos in Bulk Building Materials" and Analytical Method EPA 600/R-93/116. The detection limit of this analytical method is one percent (1%) asbestos by weight.

Asbestos is present if the material analyzed is greater than one percent (>1%) by weight. This stipulation is outlined in the EPA Publication EPA 500/5-85-028, Section 2.2.2.2. Some building/structure materials may contain asbestos concentrations below the 1% by weight and can be documented via point counting or "trace" detection levels.

Asbestos Standards:

Federal regulations promulgated by the Environmental Protection Agency prohibit the use of asbestos materials for fireproofing and insulation where the material contains more than one percent asbestos by weight. In general, the higher the percentage of asbestos, the more fibers that can be released and cause contamination to the structure environment. However, substantial fiber release can occur in damaged or deteriorating materials even where asbestos content is low.

The condition of the ACM and its potential for disturbance (fiber release) may be used to determine if corrective measures should be taken. Evidence of water damage, physical damage, and the presence of broken or crumbled materials on the floor are signs that fiber release has occurred, is occurring or may occur in the future.

Health experts agree that exposure to airborne asbestos, regardless of concentrations, involves a health risk. Persons exposed to asbestos have an increased risk of developing asbestosis, lung cancer and mesothelioma.

The EPA currently recognizes four abatement methodologies to control exposure to airborne asbestos fibers. Specifically, these are removal, encapsulation, enclosure, operations, and maintenance. Properly conducted and supervised removal of asbestos material is the only method, which entirely eliminates asbestos exposure.

The current EPA recommended "clean air" asbestos limit for clearance testing during an asbestos abatement project is 0.01 Fibers per cubic centimeter (F/cc) by Phase Contrast Microscopy (PCM). This level is also recognized as a "clean" level for background air levels in occupied buildings/structures.

If the purpose of this inspection was for documentation of asbestos-containing materials prior to structure renovation/demolition, please consult the appropriate local, state, and other relevant governmental regulatory agencies to ensure that proper procedures for notifications, abatement (if required), and material disposal and hauling are adhered to always. Please note that the abatement contractor may require adequate sources of water and electricity during removal activities.

Since the purpose of this inspection, as described to CALI, was for the determination of Asbestos-Containing Materials prior to renovation activities, please consult the appropriate local, state, and other relevant governmental regulatory agencies to ensure that proper procedures for notifications, abatement (if required), and material disposal and hauling are adhered to always.

Conclusion/Recommendations:

Proper precautions should be taken when performing work in and around the identified asbestos materials and other materials you may encounter as suspect asbestos. This is especially Important and required when working in an occupied structure. Any potential renovation/demolition plans should include proper procedures for treatment of this asbestos material, as deemed necessary.

Disclaimer:

This survey only contains sample results from physical bulk samples collected during this inspection. Any other suspect asbestos materials identified within this structure that conflict with this report's findings should be sampled by a licensed building inspector prior to their removal to ensure no materials are misidentified as non-asbestos.

The Scope of Work of this survey was performed in such a manner to access all suspect materials. Select removal of flooring was performed to attempt to access any additional suspect material. With any structure of this general age and size, additional asbestos-containing materials may still be located within previously un-accessible locations. These areas include, but are not limited to, locations such as within wall and ceiling cavities, in unidentified pipe chases, within underground locations or buried materials, under flooring and/or sub-flooring, or in additional original roofing materials.

Also note that the HVAC systems and their internal buildings, including boiler units, water heaters, air conditioning and ventilation system, etc., were not disassembled and inspected due to the safety concerns of the technician performing the survey, as utilities were in service at the time of inspection.

While the results and information of these analyses are considered to be reliable, CALI assumes no responsibility for the accuracy of the results.

Data and other information in this report are only valid for the prevailing conditions identified during this investigation and will be kept confidential. Any information contained in this report will not be released to third parties without the expressed written consent of the client except where required by law.

The conclusions expressed within this report are intended to advise the client of the potential regulated environmental hazards within the subject property. It is the responsibility of the client to comply with current regulations relating to the hazards identified in this report. The burden for financial or health consequences for action or lack of action taken by the client or the client's agent is the responsibility of the client.

Universal Waste Inventory

UNIVERSAL WASTE INVENTORY
Former Frog, Switch & Manufacturing Co.
600 East High Street
Carlisle, PA 17013
October 8, 2025

Building - Location	Universal Waste	Quantity
Frog Shop – Building 2	Hydraulic Oil	1 - 5-gallon bucket 1 - 1-gallon bucket
	Fluorescent Light Bulbs	1,300 Linear Feet (LF)
	Light Ballasts*	100 Each (EA)
	Window Air Conditioning Units	5 EA
	Refrigerators	6 EA
	Fire Extinguishers	12 EA
	Unknown Solvent	1 - 55-gallon drum
– In Pits below Machines	Unknown Oily Liquid	Unknown Quantity in Pits
	Waste Oil Drums	6 -55-gallon drums
	Unknown Liquid	1 – 5-gallon slop bucket
	Mercury Thermometer	1 EA
Building 13	Old Smoke Detectors	2 EA
	Fluorescent Light Bulbs	80 LF
	Light Ballasts*	10
Foundry – Building 1	Fire Extinguishers	10 EA
	Fluorescent Light Bulbs	272 LF
	Light Ballasts*	36
	Unknown Corrosives	8 – 5-gallon buckets
	Oxygen Cylinders	2 EA
	Fuel Gas Canisters	2 EA
	Refrigerators	2 EA
	Avon Dry Parting Agent	1 – 500lb Drum
	Window Air Conditioning Units	3 EA
	Oil	6 – 300-gallon drums
	Oil	4 – 50-gallon drums
	Cast Clean Binder	1 – 1,000-gallon tank
	Kerosene	2 – 1-gallon containers
- Chemistry Lab	Hydrogen Chloride	10 Liters
- Chemistry Lab	Ethylene	3 Liters
- Locker Rooms	Fluorescent Light Bulbs	112 LF

UNIVERSAL WASTE INVENTORY
Former Frog, Switch & Manufacturing Co.
600 East High Street
Carlisle, PA 17013
October 8, 2025

Pattern Shop – Building 24/27	Fire Extinguishers	4 EA
	Fluorescent Light Bulbs	360 LF
	Light Ballasts*	18 EA
	Window Air Conditioning Units	2 EA
Building 20 – In Nearby Shack	Acetone (May be empty)	5 – 55-gallon drums
Building 3 – Office	Fire Extinguishers - 4	4 EA
	Old Smoke Detectors	12 EA
	Window Air Conditioning Units	3 EA
	Thermostat Mercury Bulb	1 EA
Building 5	Oil	1 – 300-gallon container 15 1-gallon buckets 20 55-gallon drums (staining below)
	Gas Canisters	11 EA
	Fire Extinguishers	3 EA
	Diesel Oil	1 – 100-gallon drum
	Roof Sealer	5 1-gallon buckets
	Dayglo Fluorescent Pigment	3 – 55lb bags
	Corrosive Waste	1 – 2-gallon container
	Window Air Conditioning Units	5 EA
	Fluorescent Light Bulbs	128 LF
	Light Ballasts*	10 EA
	Battery Acid	1 – 1 quart bottle

Lead-Based Paint - XRF Analyzer Results Spreadsheet

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Main Office (#3)	Archive Vault W1	W1	CMU	White	0	Negative	
Main Office (#3)	Archive Vault W2	W2	CMU	White	0	Negative	
Main Office (#3)	Archive Vault W3	W3	CMU	White	0	Negative	
Main Office (#3)	Archive Vault W4	W4	CMU	White	0	Negative	
Main Office (#3)	Archive Vault Ceiling	Ceiling	Concrete	White	0	Negative	
Main Office (#3)	Archive Vault Door	Door	Metal	Grey	0.12	Negative	
Main Office (#3)	Archive Vault	Door Frame	Metal	Brown	0.06	Negative	
Main Office (#3)	Archive Vault	Door Frame	Metal	Grey	0.09	Negative	
Main Office (#3)	Hallways	W2	Sheetrock	Blue	0.11	Negative	
Main Office (#3)	Hallways	W4	Sheetrock	Blue	1.4	Positive	
Main Office (#3)	Hallways	Vault Door	Metal	Blue	0.06	Negative	
Main Office (#3)	Hallways	Vault Door Frame	Metal	Blue	0.13	Negative	
Main Office (#3)	Conference Room	W1	Sheetrock	Beige	0.13	Negative	
Main Office (#3)	Conference Room	W2	Sheetrock	Beige	0.24	Negative	
Main Office (#3)	Conference Room	W3	Sheetrock	Beige	0	Negative	
Main Office (#3)	Conference Room	W4	Sheetrock	Beige	0.17	Negative	
Main Office (#3)	Conference Room	Window Sill	Wood	Brown	0.18	Negative	
Main Office (#3)	Conference Room	Door Frame	Wood	Brown	0	Negative	
Main Office (#3)	Meeting Room	W1	Sheetrock	Beige	0	Negative	
Main Office (#3)	Meeting Room	W2	Sheetrock	Beige	0	Negative	
Main Office (#3)	Meeting Room	W3	Sheetrock	Beige	0	Negative	
Main Office (#3)	Meeting Room	W4	Sheetrock	Beige	0	Negative	
Main Office (#3)	Meeting Room	Window Sill	Wood	Brown	0	Negative	
Main Office (#3)	Meeting Room	Door Frame	Wood	Brown	0	Negative	
Main Office (#3)	Reception and Rear Office	Window Sill	Wood	White	0.15	Negative	
Main Office (#3)	Reception and Rear Office	Window Casing	Wood	White	0.39	Negative	
Main Office (#3)	Reception and Rear Office	Door	Wood	White	0.32	Negative	
Main Office (#3)	Reception and Rear Office	Door Casing	Wood	White	0.24	Negative	
Main Office (#3)	HR Vault	W1	Plaster	Light Green	0.04	Negative	
Main Office (#3)	HR Vault	W2	Plaster	Light Green	0.05	Negative	
Main Office (#3)	HR Vault	W3	Plaster	Light Green	0.06	Negative	
Main Office (#3)	HR Vault	W4	Plaster	Light Green	0.03	Negative	
Main Office (#3)	HR Vault	Door	Metal	Brown	0.08	Negative	
Main Office (#3)	HR Vault	Door Casing	Metal	Brown	0.09	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Main Office (#3)	Copy Room	W1	Sheetrock	Gray	0	Negative	
Main Office (#3)	Copy Room	W2	Sheetrock	Gray	0	Negative	
Main Office (#3)	Copy Room	W3	Wood Panel	Unpainted	N/A	N/A	
Main Office (#3)	Copy Room	W4	Sheetrock	Gray	0	Negative	
Main Office (#3)	Copy Room	Door Casing	Door	Tan	0	Negative	
Main Office (#3)	Electrical Room	W1	Sheetrock	White	0	Negative	
Main Office (#3)	Electrical Room	W2	Sheetrock	White	0	Negative	
Main Office (#3)	Electrical Room	W3	Sheetrock	White	0	Negative	
Main Office (#3)	Electrical Room	W4	Sheetrock	White	0	Negative	
Main Office (#3)	Electrical Room	Door Casing	Wood	Brown	0	Negative	
Main Office (#3)	Electrical Room	Conduit	Metal	White	0.18	Negative	
Main Office (#3)	Women's Restroom	Door Casing	Wood	Brown	0	Negative	
Main Office (#3)	Break Room	Door Casing	Wood	Blue	0.21	Negative	
Main Office (#3)	Break Room	Door	Wood	Blue	0.01	Negative	
Main Office (#3)	Janitors Closet	W3	Plaster	Green	0.19	Negative	
Main Office (#3)	Janitors Closet	Door Casing	Wood	Blue	0.51	Negative	
Main Office (#3)	Janitors Closet	Door	Wood	Blue	0.37	Negative	
Main Office (#3)	Office 1	W1	Sheetrock	Beige	0.55	Negative	
Main Office (#3)	Office 1	W2	Sheetrock	Beige	0.53	Negative	
Main Office (#3)	Office 1	W3	Sheetrock	Beige	0	Negative	
Main Office (#3)	Office 1	W4	Sheetrock	Beige	0	Negative	
Main Office (#3)	Office 1	Window Sill	Wood	Beige	0	Negative	
Main Office (#3)	Office 1	Door Frame	Wood	Beige	0	Negative	
Main Office (#3)	Office 2	W1	Sheetrock	Beige	0	Negative	
Main Office (#3)	Office 2	W2	Sheetrock	Beige	0	Negative	
Main Office (#3)	Office 2	W3	Sheetrock	Beige	0	Negative	
Main Office (#3)	Office 2	W4	Sheetrock	Beige	0.35	Negative	
Main Office (#3)	Office 2	Window Sill	Wood	Beige	0	Negative	
Main Office (#3)	Office 2	Door Frame	Wood	Beige	0	Negative	
Main Office (#3)	Office 3	W1	Sheetrock	Beige	0	Negative	
Main Office (#3)	Office 3	W2	Sheetrock	Beige	0.32	Negative	
Main Office (#3)	Office 3	W3	Sheetrock	Beige	0.39	Negative	
Main Office (#3)	Office 3	W4	Sheetrock	Beige	0.34	Negative	
Main Office (#3)	Office 3	Window Sill	Wood	Beige	0	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Main Office (#3)	Office 3	Door Frame	Wood	Beige	0	Negative	
Main Office (#3)	Office 4	Window Sill	Wood	Beige	0	Negative	
Main Office (#3)	Office 4	Door Frame	Wood	Beige	0	Negative	
Main Office (#3)	Multi-Room Office	W1	Sheetrock	Beige	0	Negative	
Main Office (#3)	Multi-Room Office	W2	Sheetrock	Beige	0	Negative	
Main Office (#3)	Multi-Room Office	W3	Sheetrock	Beige	0	Negative	
Main Office (#3)	Multi-Room Office	W4	Sheetrock	Beige	0	Negative	
Main Office (#3)	Multi-Room Office	Window Casing	Wood	Beige	0	Negative	
Main Office (#3)	Multi-Room Office	Door Frame	Wood	Beige	0	Negative	
Main Office (#3)	Multi-Room Office	W1	Sheetrock	Tan	0.03	Negative	
Main Office (#3)	Multi-Room Office	W2	Sheetrock	Tan	0.1	Negative	
Main Office (#3)	Multi-Room Office	W3	Sheetrock	Tan	0.42	Negative	
Main Office (#3)	Multi-Room Office	W4	Sheetrock	Tan	0.36	Negative	
Main Office (#3)	Directors Office Suite	Window Sill	Wood	Blue	0	Negative	
Main Office (#3)	Directors Office Suite	Baseboard	Wood	Blue	0	Negative	
Main Office (#3)	Sitting Room	Door	Wood	Blue	0.13	Negative	
Main Office (#3)	Sitting Room	Door Casing	Wood	Blue	0.3	Negative	
Main Office (#3)	Sitting Room	Window Sill	Wood	Blue	0.15	Negative	
Main Office (#3)	Sitting Room	Window Casing	Wood	Blue	0.59	Negative	
Main Office (#3)	File Room off Sitting Room	Door	Metal	Gray	0.04	Negative	
Main Office (#3)	File Room off Sitting Room	Door Casing	Wood	Gray	0	Negative	
Main Office (#3)	File Room off Sitting Room	Window Sill	Wood	Tan	0	Negative	
Main Office (#3)	Presidents Room	Door	Wood	Brown	0	Negative	
Main Office (#3)	Presidents Room	Door Casing	Wood	Brown	0	Negative	
Main Office (#3)	Presidents Room	Window Sill	Wood	Brown	0.12	Negative	
Main Office (#3)	Presidents Room	Window Casing	Wood	Brown	0.32	Negative	
Main Office (#3)	Presidents Room Office	W2	Plaster	Beige	0.8	Negative	
Main Office (#3)	Presidents Room Office	W3	Plaster	Beige	0.43	Negative	
Main Office (#3)	Presidents Room Office	W4	Plaster	Beige	0.96	Negative	
Main Office (#3)	Presidents Room Office	Door	Wood	Brown	0.26	Negative	
Main Office (#3)	Presidents Room Office	Door Casing	Wood	Brown	0.2	Negative	
Main Office (#3)	Presidents Room Office	Window Sill	Wood	Brown	0.33	Negative	
Main Office (#3)	Presidents Room Office	Window Casing	Wood	Brown	0.22	Negative	
Main Office (#3)	Stairs	Railing	Blue	Metal	6.36	Positive	

Lead-Based Paint - XRF Analyzer Results							
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Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Main Office (#3)	Stairs	Stair Riser	Blue	Metal	4.4	Positive	
Main Office (#3)	Stairs	Landing	Blue	Metal	3.23	Positive	
Main Office (#3)	Stairs	Wall	Blue	Plaster	0.46	Negative	
Main Office (#3)	Stairs	Door Casing	Blue	Wood	0	Negative	
Main Office (#3)	Stairs	Door	Blue	Wood	0	Negative	
Main Office (#3)	Stairs	Stair Tread	Tan	Metal	3.38	Positive	
Main Office (#3)	Stairs	Stair Riser	Tan	Metal	8.16	Positive	
Main Office (#3)	Stairs	Landing	Tan	Metal	10	Positive	
Main Office (#3)	Stairs	W2	White	Plaster	0.63	Negative	
Main Office (#3)	Stairs	W4	White	Plaster	0.44	Negative	
Main Office (#3)	2nd Floor Office and Landing	W1	White	Plaster	0.99	Negative	
Main Office (#3)	2nd Floor Office and Landing	W2	White	Plaster	0.94	Negative	
Main Office (#3)	2nd Floor Office and Landing	W3	White	Plaster	1.22	Positive	
Main Office (#3)	2nd Floor Office and Landing	W4	White	Plaster	1.16	Positive	
Main Office (#3)	2nd Floor Office and Landing	Door	Reddish Brown	Wood	0.36	Negative	
Main Office (#3)	2nd Floor Office and Landing	Door Casing	Reddish Brown	Wood	0.34	Negative	
Main Office (#3)	2nd Floor Office and Landing	Window Sill	Reddish Brown	Wood	0.51	Negative	
Main Office (#3)	2nd Floor Office and Landing	Window Casing	Reddish Brown	Wood	0.73	Negative	
Main Office (#3)	2nd Floor Office and Landing	Window Sill	White	Wood	0.2	Negative	
Main Office (#3)	2nd Floor Office and Landing	Window Casing	White	Wood	1.47	Positive	
Main Office (#3)	2nd Floor Office and Landing	Window Casing	White	Wood	1.47	Positive	
Main Office (#3)	2nd Floor Office and Landing	Tin Ceiling	White	Metal	4.08	Positive	
Main Office (#3)	2nd Floor Office and Landing	Tin Ceiling	Reddish Brown	Metal	3.4	Positive	
Main Office (#3)	2nd Floor Office and Landing	Crown Moulding	Reddish Brown	Wood	2.2	Positive	
Main Office (#3)	Exterior	W1	Off-white	Stucco	1.77	Positive	
Main Office (#3)	Exterior	W2	Off-white	Stucco	1.22	Positive	
Main Office (#3)	Exterior	W3	Off-white	Stucco	0.48	Negative	
Main Office (#3)	Exterior	W4	Off-white	Stucco	0.14	Negative	
Main Office (#3)	Exterior	Door	Reddish Brown	Wood	7.74	Positive	
Main Office (#3)	Exterior	Door Casing	Reddish Brown	Wood	0.27	Negative	
Main Office (#3)	Exterior	Window Sill	Reddish Brown	Wood	1.05	Positive	
Main Office (#3)	Exterior	Window Casing	Reddish Brown	Wood	0.17	Negative	
Main Office (#3)	Exterior	Railing	Off-White	Metal	0.79	Negative	
Main Office (#3)	Exterior	Balcony Ceiling	Off-White	Stucco	0.88	Negative	

Lead-Based Paint - XRF Analyzer Results							
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Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Building 18	Exterior	Door	Red	Wood	0.14	Negative	
Building 18	Exterior	Door Casing	Red	Wood	0.18	Negative	
Building 18	Exterior	Window Sash	Red	Metal	0.1	Negative	
Building 18	Exterior	Window Casing	Red	Wood	0.1	Negative	
Building 18	Interior	Door	Red	Wood	0.03	Negative	
Building 18	Interior	Door Casing	Red	Wood	0.03	Negative	
Building 18	Rear Storage Closet	Door	Red	Wood	0	Negative	
Building 18	Rear Storage Closet	Door Frame	Red	Wood	0	Negative	
Building 18	Rear Storage Closet	W3	Red	Wood	0.13	Negative	
Building 18	Rear Storage Closet	Window Casing	Red	Wood	0.02	Negative	
Building 18	Rear Storage Closet	Shelving post	Red	Wood	3.3	Positive	
Building 18	Rear Storage Closet	Shelving	Red	Wood	3.42	Positive	
Building 18	Rear Storage Closet	Storage cabinet	Red	Wood	8.82	Positive	
Building 18	Rear Storage Closet	Door	Red	Wood	0.01	Negative	
Building 18	Rear Storage Closet	Door Frame	Red	Wood	0.03	Negative	
Frog Shop - Building 2	Exterior	Column	Red	Metal	0.14	Negative	
Frog Shop - Building 2	Exterior	Duct/Downspout	Red	Concrete	0.81	Negative	
Frog Shop - Building 2	Exterior	Window Sash	Red	Metal	0.14	Negative	
Frog Shop - Building 2	Exterior	Door	Red	Metal	0	Negative	
Frog Shop - Building 2	Exterior	Door Casing	Beige	Metal	0.14	Negative	
Frog Shop - Building 2	Exterior	Vaulted Window Sill	Red	Metal	0.1	Negative	
Frog Shop - Building 2	Exterior	Louvre	Red	Metal	0.06	Negative	
Frog Shop - Building 2	Storage Room	Door	Beige	Metal	0	Negative	
Frog Shop - Building 2	Storage Room	Door Casing	Beige	Metal	0	Negative	
Frog Shop - Building 2	Storage Room	Door	White	Wood	0.18	Negative	
Frog Shop - Building 2	Storage Room	Door Casing	Red	Metal	0.31	Negative	
Frog Shop - Building 2	Boiler Room	Boiler	Black	Metal	0.14	Negative	
Frog Shop - Building 2	Boiler Room	Catwalk	Black	Metal	0.09	Negative	
Frog Shop - Building 2	Time Card Entryway	Door	Brown	Wood	0.25	Negative	
Frog Shop - Building 2	Time Card Entryway	Door Casing	Brown	Wood	0.1	Negative	
Frog Shop - Building 2	Time Card Entryway	Door	Blue	Wood	0.16	Negative	
Frog Shop - Building 2	Time Card Entryway	Door Casing	Blue	Wood	0.18	Negative	

Lead-Based Paint - XRF Analyzer Results							
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Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Frog Shop - Building 2	Time Card Entryway	W2	Tan	Concrete	0	Negative	
Frog Shop - Building 2	Time Card Entryway	W3	White	Concrete	0.13	Negative	
Frog Shop - Building 2	Time Card Entryway	W4	White	Wood	4.86	Positive	
Frog Shop - Building 2	Time Card Entryway	Entry Framing	White	Metal	0	Negative	
Frog Shop - Building 2	Locker Room	W1	Blue	Wood	0	Negative	
Frog Shop - Building 2	Locker Room	W2	Blue	Concrete	0	Negative	
Frog Shop - Building 2	Locker Room	W3	Blue	Concrete	0.23	Negative	
Frog Shop - Building 2	Locker Room	W4	Blue	Concrete	0.56	Negative	
Frog Shop - Building 2	Locker Room	Floor	Blue	Concrete	0	Negative	
Frog Shop - Building 2	Locker Room	Stalls	Blue	Wood	0.05	Negative	
Frog Shop - Building 2	Locker Room	Door	Blue	Wood	0.19	Negative	
Frog Shop - Building 2	Locker Room	Door Casing	Blue	Wood	0.07	Negative	
Frog Shop - Building 2	Frog Shop	W1	Concrete	Beige	0	Negative	
Frog Shop - Building 2	Frog Shop	Column	Metal	Beige	1.57	Positive	
Frog Shop - Building 2	Frog Shop	Handrail	Metal	Yellow	1.63	Positive	
Frog Shop - Building 2	Frog Shop	Column	Metal	Yellow	0.1	Negative	
Frog Shop - Building 2	Frog Shop	Column	Metal	Brown	0	Negative	
Frog Shop - Building 2	Frog Shop	Window Sash	Wood	White	0	Negative	
Frog Shop - Building 2	Frog Shop	Window Casing	Wood	White	0	Negative	
Frog Shop - Building 2	Frog Shop	W2	Wood	White	0	Negative	
Frog Shop - Building 2	Frog Shop	Machine #1	Metal	White	4.4	Positive	
Frog Shop - Building 2	Frog Shop	Machine #1 Crane	Metal	Yellow	0.6	Negative	
Frog Shop - Building 2	Frog Shop	Machine #2	Metal	White	4.4	Positive	
Frog Shop - Building 2	Frog Shop	Elevated Platform	Metal	Yellow	2.85	Positive	
Frog Shop - Building 2	Frog Shop	Elevated Platform	Wood	Yellow	3.25	Positive	
Frog Shop - Building 2	Frog Shop	W3	Concrete	Beige	0	Negative	
Frog Shop - Building 2	Frog Shop	W3	Concrete	Blue	0	Negative	
Frog Shop - Building 2	Frog Shop	Column	Metal	Blue	0	Negative	
Frog Shop - Building 2	Frog Shop	Door	Metal	Blue	0	Negative	
Frog Shop - Building 2	Frog Shop	Door Casing	Metal	Blue	0	Negative	
Frog Shop - Building 2	Frog Shop	W4	Concrete	Beige	0	Negative	
Frog Shop - Building 2	Frog Shop	Machine #33	Metal	Green	0	Negative	
Frog Shop - Building 2	Frog Shop	Machine #34	Metal	Green	0.14	Negative	
Frog Shop - Building 2	Frog Shop	Machine #15	Metal	White	7.7	Positive	

Lead-Based Paint - XRF Analyzer Results							
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Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Frog Shop - Building 2	Frog Shop	Machine #14	Metal	White	0.13	Negative	
Frog Shop - Building 2	Frog Shop	Door	Wood	Brown	0.34	Negative	
Frog Shop - Building 2	Frog Shop	Door Casing	Wood	White	0.24	Negative	
Frog Shop - Building 2	Frog Shop	Machine #31	Metal	Silver	2.63	Positive	
Frog Shop - Building 2	Frog Shop	Machine #32	Metal	Silver	0.26	Negative	
Frog Shop - Building 2	Frog Shop	Machine #10	Metal	White	0	Negative	
Frog Shop - Building 2	Frog Shop	Machine #7	Metal	White	0.01	Negative	
Frog Shop - Building 2	Frog Shop	Machine #5	Metal	White	1.5	Positive	
Frog Shop - Building 2	Frog Shop	Machine #3	Metal	Green	4.3	Positive	
Frog Shop - Building 2	Frog Shop	Machine #6	Metal	Silver	0.15	Negative	
Frog Shop - Building 2	Frog Shop	Machine #4	Metal	Beige	0.37	Negative	
Frog Shop - Building 2	Frog Shop	Column	Wood	Orange	1.08	Positive	
Break Room Building (#13)	Entrance	Door	Wood	Brown	0.08	Negative	
Break Room Building (#13)	Entrance	Door Frame	Wood	Brown	0.14	Negative	
Break Room Building (#13)	Entrance	Window	Metal	Brown	0.01	Negative	
Break Room Building (#13)	Entrance	window Frame	Wood	Brown	0.01	Negative	
Break Room Building (#13)	Exterior	Door	Wood	Red	0.59	Negative	
Break Room Building (#13)	Exterior	Door Frame	Wood	Red	1.45	Positive	
Break Room Building (#13)	Exterior	Window	Metal	Brown	0.45	Negative	
Break Room Building (#13)	Exterior	Downspout	Metal	Brown	0	Negative	
Break Room Building (#13)	Bathroom	Door Frame	Wood	Brown	0.08	Negative	
Break Room Building (#13)	Bathroom	Window	Metal	Brown	0.01	Negative	
Break Room Building (#13)	Pantry	Door	Wood	Brown	0	Negative	
Break Room Building (#13)	Pantry	Door Frame	Wood	Brown	0	Negative	
Break Room Building (#13)	Pantry	W2	Wood	White	0	Negative	
Break Room Building (#13)	Pantry	W3	CMU	White	0	Negative	
Break Room Building (#13)	Pantry	W4	CMU	White	0	Negative	
Break Room Building (#13)	Pantry	Shelving	Wood	White	0	Negative	
Break Room Building (#13)	Kitchen	Door	Metal	Brown	0	Negative	
Break Room Building (#13)	Kitchen	Door Frame	Wood	Brown	0	Negative	
Break Room Building (#13)	Kitchen	Window	Metal	Brown	0.02	Negative	
Break Room Building (#13)	Kitchen	Door window Frame	Wood	White	0	Negative	
Break Room Building (#13)	Lunch Room	Window	Metal	Brown	0.06	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Break Room Building (#13)	Lunch Room	Window Sill	Concrete	Brown	0.07	Negative	
Break Room Building (#13)	Lunch Room	Door FRame	Wood	Brown	0.11	Negative	
Foundry Silo FS (#1)	Free Standing Silo	Pipe	Metal	Blue	0.18	Negative	
Foundry Silo FS (#1)	Free Standing Silo	Silo awning	Metal	Blue	0.2	Negative	
Foundry (#1)	Foundry Large Storage near Silo	W1	CMU	White	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	W2	CMU	White	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	W3	CMU	White	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	W4	CMU	White	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	W4	CMU	REd	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	Door	Metal	Grey	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	Door Frame	Metal	Grey	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	Door Frame	Metal	Yellow	0.71	Negative	
Foundry (#1)	Foundry Large Storage near Silo	Beam	Metal	White	0	Negative	
Foundry (#1)	Foundry Large Storage near Silo	Silo	Concrete	White	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W1	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W1	CMU	White	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W2	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W2	CMU	White	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W2	CMU	Red	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W3	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W3	CMU	White	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W4	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	W4	CMU	White	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	Door	Metal	Blue	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	Door Frame	Metal	Blue	0	Negative	
Foundry (#1)	Foundry Small Storage near silo	Door	Wood	Blue	0.01	Negative	
Foundry (#1)	Foundry Small Storage near silo	Door Frame	Wood	Blue	0.02	Negative	
Foundry (#1)	Foundry Main area	W1	CMU	White	0	Negative	
Foundry (#1)	Foundry Main area	W2	CMU	White	0	Negative	
Foundry (#1)	Foundry Main area	W2	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Main area	W3	Wood	Blue	0	Negative	
Foundry (#1)	Foundry Main area	W3	CMU	White	0	Negative	
Foundry (#1)	Foundry Main area	W3	Metal	White	0.02	Negative	

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Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Foundry (#1)	Foundry Main area	W3	Metal	Blue	0	Negative	
Foundry (#1)	Foundry Main area	W4	CMU	White	0	Negative	
Foundry (#1)	Foundry Main area	Column	Metal	Brown	0	Negative	
Foundry (#1)	Foundry Main area	Column	Metal	White	0	Negative	
Foundry (#1)	Foundry Main area	Column	Metal	Yellow	1.09	Positive	
Foundry (#1)	Foundry Main area	Stairs	Wood	Blue	0	Negative	
Foundry (#1)	Foundry Main area	Door Frame	Wood	Blue	0	Negative	
Foundry (#1)	Foundry Main area	Barrier	Metal	Yellow	0	Negative	
Foundry (#1)	Foundry Main area	Door Frame	Wood	White	0	Negative	
Foundry (#1)	Foundry Main area	Column	Metal	Blue	0	Negative	
Foundry (#1)	Foundry Main area	Stair Runner	Metal	Yellow	1.62	Positive	
Foundry (#1)	Foundry Main area	Stair Banister	Metal	Yellow	0.77	Negative	
Foundry (#1)	Foundry Main area	Stair Tread	Metal	Yellow	0.39	Negative	
Foundry (#1)	Foundry Main area	Slag Cart Bin 1	Metal	White	0	Negative	
Foundry (#1)	Foundry Main area	Slag Cart Bin 2	Metal	White	0	Negative	
Foundry (#1)	Foundry Main area	Slag bin area step	Concrete	Yellow	0	Negative	
Foundry (#1)	Foundry Main area	Pipe	Metal	Yellow	0	Negative	
Foundry (#1)	Foundry Main area	Door frame	Metal	Yellow	0.89	Negative	
Foundry (#1)	Foundry Main area	Slag bin ladder	Metal	Yellow	0.78	Negative	
Foundry (#1)	Slag Cart breaker office	W1	CMU	Red	0	Negative	
Foundry (#1)	Slag Cart breaker office	W1	CMU	Blue	0	Negative	
Foundry (#1)	Slag Cart breaker office	W1	CMU	White	0	Negative	
Foundry (#1)	Slag Cart breaker office	W2	CMU	Red	0	Negative	
Foundry (#1)	Slag Cart breaker office	W2	CMU	Blue	0	Negative	
Foundry (#1)	Slag Cart breaker office	W2	CMU	White	0	Negative	
Foundry (#1)	Slag Cart breaker office	W3	CMU	Red	0	Negative	
Foundry (#1)	Slag Cart breaker office	W3	CMU	Blue	0	Negative	
Foundry (#1)	Slag Cart breaker office	W3	CMU	White	0	Negative	
Foundry (#1)	Slag Cart breaker office	W4	CMU	Red	0	Negative	
Foundry (#1)	Slag Cart breaker office	W4	CMU	Blue	0	Negative	
Foundry (#1)	Slag Cart breaker office	W4	CMU	White	0	Negative	
Foundry (#1)	Slag Cart breaker office	Door Frame	Metal	Blue	0	Negative	
Foundry (#1)	Slag Cart breaker office	Door	Metal	Grey	0	Negative	
Foundry (#1)	Slag Cart breaker office	Window Frame	Wood	Red	0	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Foundry (#1)	Slag Cart breaker office	Ceiling	Metal	Brown	0.02	Negative	
Foundry (#1)	Foundry Breaker Room	W1	CMU	Red	0	Negative	
Foundry (#1)	Foundry Breaker Room	W1	CMU	White	0	Negative	
Foundry (#1)	Foundry Breaker Room	W1	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Breaker Room	W2	CMU	Red	0	Negative	
Foundry (#1)	Foundry Breaker Room	W2	CMU	White	0	Negative	
Foundry (#1)	Foundry Breaker Room	W2	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Breaker Room	W3	CMU	Red	0	Negative	
Foundry (#1)	Foundry Breaker Room	W3	CMU	White	0	Negative	
Foundry (#1)	Foundry Breaker Room	W3	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Breaker Room	W4	CMU	Red	0	Negative	
Foundry (#1)	Foundry Breaker Room	W4	CMU	White	0	Negative	
Foundry (#1)	Foundry Breaker Room	W4	CMU	Blue	0	Negative	
Foundry (#1)	Foundry Breaker Room	Door Casing	Metal	Blue	0	Negative	
Foundry (#1)	Foundry Breaker Room	Ceiling	Wood	White	0	Negative	
Foundry (#1)	Office	Door Casing	Metal	Grey	0	Negative	
Foundry (#1)	Small tank area	Small pressure tank	Metal	White	0	Negative	
Foundry (#1)	Large Storage area Near Men's Bathroom	W1	CMU	White	0	Negative	
Foundry (#1)	Large Storage area Near Men's Bathroom	W2	CMU	White	0	Negative	
Foundry (#1)	Large Storage area Near Men's Bathroom	W3	CMU	White	0	Negative	
Foundry (#1)	Large Storage area Near Men's Bathroom	W4	CMU	White	0	Negative	
Foundry (#1)	Large Storage area Near Men's Bathroom	Column	Metal	White	0	Negative	
Foundry (#1)	Large Storage area Near Men's Bathroom	Parking Pylon Concrete	Concrete	Yellow	0	Negative	
Foundry (#1)	Large Storage area Near Men's Bathroom	Column	Metal	Brown	0.32	Negative	
Foundry (#1)	Men's Bathroom	W1	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	W2	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	W3	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	W4	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	Floor	Concrete	Grey	0	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Foundry (#1)	Men's Bathroom	Stall Divider	Metal	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	Shower Divider	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	Column	Metal	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	Door	Metal	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	Door Casing	Metal	Blue	0	Negative	
Foundry (#1)	Men's Bathroom	Corrugated Ceiling	Metal	Brown	1.46	Positive	
Foundry (#1)	Men's Bathroom	Window Casing	Wood	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	W1	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	W2	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	W3	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	W4	CMU	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	Floor	Concrete	Grey	0	Negative	
Foundry (#1)	Men's Bathroom Locker	Bench	Wood	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	Ceiling	Drywall	White	0	Negative	
Foundry (#1)	Men's Bathroom Locker	Door	Metal	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	Door Casing	Metal	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker	Saloon Doors	Wood	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	W1	CMU	Grey	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	W2	CMU	Grey	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	W3	CMU	Grey	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	W4	CMU	Grey	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	Ceiling	Drywall	White	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	Floor	Concrete	Grey	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	Pipe	Metal	Grey	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	Bench	Wood	Blue	0	Negative	
Foundry (#1)	Men's Bathroom Locker Showers	Shower Lip	Concrete	Grey	0	Negative	
Foundry (#1)	Dust Shoot exterior area	Circulator	Metal	White	0	Negative	
Foundry (#1)	Dust Shoot exterior area	Column	Metal	White	0	Negative	
Foundry (#1)	Dust Shoot exterior area	Shed	Metal	White	0	Negative	
Foundry (#1)	Dust Shoot exterior area	Door Casing	Metal	Blue	0	Negative	
Foundry (#1)	Dust Shoot exterior area	Door	Metal	White	0	Negative	
Foundry (#1)	Dust Shoot exterior area	Shoot	Metal	Blue	0	Negative	
Foundry (#1)	Large storage area generator room	W1	CMU	White	0	Negative	
Foundry (#1)	Large storage area generator room	W2	CMU	White	0	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
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Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Foundry (#1)	Large storage area generator room	W3	CMU	White	0	Negative	
Foundry (#1)	Large storage area generator room	W4	CMU	White	0	Negative	
Foundry (#1)	Large storage area generator room	Door Frame	Metal	White	0	Negative	
Foundry (#1)	Large storage area generator room	Ladder	Metal	Yellow	0	Negative	
Foundry (#1)	Record Storage Archive	W1	CMU	White	0	Negative	
Foundry (#1)	Record Storage Archive	W2	CMU	White	0	Negative	
Foundry (#1)	Record Storage Archive	W3	CMU	White	0	Negative	
Foundry (#1)	Record Storage Archive	W4	CMU	White	0	Negative	
Foundry (#1)	Record Storage Archive	Door Frame	Metal	White	0	Negative	
Foundry (#1)	Record Storage Archive	Door	Metal	White	0	Negative	
Foundry (#1)	Record Storage Storage room	W2	CMU	White	0	Negative	
Foundry (#1)	Record Storage Storage room	W3	CMU	White	0	Negative	
Foundry (#1)	Record Storage Storage room	W4	CMU	White	0	Negative	
Foundry (#1)	Record Storage Hallway	W2	CMU	White	0	Negative	
Foundry (#1)	Record Storage Hallway	W4	CMU	White	0	Negative	
Building 20	Building 20	Door	Wood	White	1.49	Positive	
Building 20	Building 20	Strut	Wood	White	1.11	Positive	
Building 20	Building 20	Roof Support	Wood	White	1.39	Positive	
Building 24/27 Pattern shop	Main area	Bollard	Concrete	Yellow	4.72	Positive	
Building 24/27 Pattern shop	Main area	Support Column	Metal	Brown	0	Negative	
Building 24/27 Pattern shop	Main area	Column	Metal	Brown	0.17	Negative	
Building 24/27 Pattern shop	Main area	Door Casing	Metal	Black	0.29	Negative	
Building 24/27 Pattern shop	Main area	Door	Metal	Grey	0.02	Negative	
Building 24/27 Pattern shop	Main area	Door	Metal	Black	0.02	Negative	
Building 24/27 Pattern shop	Main area	Door Casing	Metal	White	0	Negative	
Building 24/27 Pattern shop	Main area	W2	CMU	White	0	Negative	
Building 24/27 Pattern shop	Main area	Door	Metal	White	0	Negative	
Building 24/27 Pattern shop	Mens bathroom	Door	Metal	Blue	0	Negative	
Building 24/27 Pattern shop	Mens bathroom	Door Casing	Metal	Blue	0	Negative	
Building 24/27 Pattern shop	Mens bathroom	W1	CMU	Blue	0	Negative	
Building 24/27 Pattern shop	Mens bathroom	W2	CMU	Blue	0	Negative	
Building 24/27 Pattern shop	Mens bathroom	W3	CMU	Blue	0	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Building 24/27 Pattern shop	Mens bathroom	W3	Concrete	Blue	0	Negative	
Building 24/27 Pattern shop	Mens bathroom	W4	CMU	Blue	0	Negative	
Building 24/27 Pattern shop	Mens bathroom	Floor	Concrete	Blue	0	Negative	
Building 24/27 Pattern shop	Office	Door Casing	Metal	Brown	0	Negative	
Building 24/27 Pattern shop	Office	Door	Metal	Brown	0	Negative	
Building 24/27 Pattern shop	Office	W1	CMU	Tan	0	Negative	
Building 24/27 Pattern shop	Office	W2	CMU	Tan	0	Negative	
Building 24/27 Pattern shop	Office	W3	Drywall	Tan	0	Negative	
Building 24/27 Pattern shop	Office	W4	Drywall	Tan	0	Negative	
Building 5 Maintenance Shop Outdoor Storage	Building 5 Maintenance Shop Outdoor Storage	Shutter Door Casing	Wood	White	0	Negative	
Building 5 Maintenance Shop Outdoor Storage	Building 5 Maintenance Shop Outdoor Storage	Shutter Door	Metal	White	0	Negative	
Building 5 Maintenance Shop Outdoor Storage	Building 5 Maintenance Shop Outdoor Storage	Support Column	Metal	Brown	0	Negative	
Building 5 Maintenance Shop Outdoor Storage	Building 5 Maintenance Shop Outdoor Storage	Support Column	Metal	Yellow	1.45	Positive	
Building 5 Maintenance Shop	Exterior	Wall	CMU	White	0	Negative	
Building 5 Maintenance Shop	Exterior	Door	Wood	Green	0	Negative	
Building 5 Maintenance Shop	Exterior	Door Frame	Wood	Green	0.07	Negative	
Building 5 Maintenance Shop	Exterior	Wall	CMU	Yellow	0.15	Negative	
Building 5 Maintenance Shop	Exterior	Garage Sliding Door	Wood	Green	1.17	Positive	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Garage Door frame	Metal	Yellow	0.08	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Oil Tank	Metal	Red	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Oil Tank Stand	Metal	Red	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W1	Metal	White	0.03	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W1	Brick	White	0.08	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W2	CMU	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W2	CMU	Brown	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W2	Brick	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W3	Wood	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W4	Brick	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	W4	CMU	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Support column	Metal	Yellow	2.98	Positive	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Conduit Pipe	Metal	White	0.07	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Storage rack	Metal	White	0.01	Negative	
Building 5 Maintenance Shop	Office	Door	Metal	Grey	0	Negative	
Building 5 Maintenance Shop	Office	Door Frame	Metal	Grey	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Panel	Wood	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Column Base	Concrete	Grey	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Door Frame	Metal	Orange	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Door Frame	Metal	Yellow	0	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Catwalk Column	Metal	Yellow	0.67	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Catwalk Bannister	Metal	Yellow	0.79	Negative	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Catwalk	Metal	Yellow	1.26	Positive	
Building 5 Maintenance Shop	Building 5 Maintenance Shop	Catwalk	Metal	Yellow	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	W3	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	W3	Drywall	Brown	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	W4	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	W4	Drywall	Brown	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	Door Frame	Wood	Brown	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	Door	Wood	Brown	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	Door Frame	Metal	Grey	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage Hallway	Door	Metal	Grey	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage	W1	CMU	Red	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage	W3	CMU	Red	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage	W4	Brick	Brown	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage	Door Frame	Wood	Silver	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage	Door	Wood	Silver	0	Negative	
Building 5 Maintenance Shop	Building 5 Storage	Floor	Concrete	White	0	Negative	
Building 5 Maintenance Shop	Locker Room	W1	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Locker Room	W2	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Locker Room	W3	Brick	White	0	Negative	
Building 5 Maintenance Shop	Locker Room	W4	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Locker Room	Support Column	Metal	Grey	6.46	Positive	
Building 5 Maintenance Shop	Locker Room	Support Column Base	Concrete	Grey	0	Negative	
Building 5 Maintenance Shop	Locker Room	Locker Cabinet	Wood	Blue	0	Negative	
Building 5 Maintenance Shop	Locker Room	Locker Cabinet	Metal	Blue	0	Negative	

Lead-Based Paint - XRF Analyzer Results							
Client:	**Department of Transportation**						
Project Site:	**Former Frog, Switch, Manufacturing, & Co., 600 East High Street, Carlisle, PA**						
Viva EHS Project #:	**250640**						
Inspection Dates:	**9/15/25 - 9/18/2025**						
Risk Assessor's Name and License #:	**Jared Whack - 060470**						
Building	**Space**	**Component**	**Substrate**	**Paint Color**	**XRF Reading**	**XRF Positive/ Negative**	**Comments**
Building 5 Maintenance Shop	Locker Room	Bench	Wood	White	0.02	Negative	
Building 5 Maintenance Shop	Locker Room	Door Frame	Metal	White	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	Door Frame	Wood	White	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	Door	Wood	Grey	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	W1	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	W2	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	W3	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	W4	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	Stall Divider	Wood	White	0	Negative	
Building 5 Maintenance Shop	Locker Room Bathroom	Ceiling	Drywall	White	0	Negative	
Building 5 Maintenance Shop	Safety Office	Door	Wood	White	0	Negative	
Building 5 Maintenance Shop	Safety Office	Door Frame	Wood	White	0	Negative	
Building 5 Maintenance Shop	Safety Office	Door	Wood	Brown	0	Negative	
Building 5 Maintenance Shop	Safety Office	Door Frame	Wood	Brown	0	Negative	
Building 5 Maintenance Shop	Safety Office	Ceiling	Wood	White	0	Negative	
Building 5 Maintenance Shop	Safety Office	Ceiling Lattice	Wood	White	0	Negative	
Building 5 Maintenance Shop	Safety Office	Pipe	Metal	White	0	Negative	
Building 5 Maintenance Shop	Safety Office	Baseboard	Wood	Brown	0	Negative	

XRF Analyzer Calibration Check Test Results

VIVA
EHS

Calibration Check Test Form

Client: United States Department of Transportation
Address: Former Frog, Switch & Manufacturing Company, 600 East High Street, Carlisle, PA 17013
Date: 09/15/2025
Project Number: **250640**
XRF Serial #: 01331
Inspector: Jared Thurman Whack
Inspector Signature: 

Lead Paint Standards Surface Lead mg/cm^2	**Start of Job 1st Calibration Check of the Shift** Reading #	Result	**2nd Calibration Check of the Shift** Reading #	Result	**3rd Calibration Check of the Shift** Reading #	Result	**4th Calibration Check of the Shift** Reading #	Result
1.00 ± 0.2	1	0.83	-	1.23	-	1.32	-	-
1.00 ± 0.2	2	1.27	-	1.32	-	1.29	-	-
1.00 ± 0.2	3	1.11	-	0.93	-	1.02	-	-

Note: At least three (3) calibration samples should be taken before and after the inspection has been completed. In addition, three (3) calibration samples should be taken at four (4) hour intervals.

VIVA
EHS

Calibration Check Test Form

Client: United States Department of Transportation
Address: Former Frog, Switch & Manufacturing Company, 600 East High Street, Carlisle, PA 17013
Date: 09/16/2025
Project Number: **250640**
XRF Serial #: 01331
Inspector: Jared Thurman Whack
Inspector Signature: 

Lead Paint Standards Surface Lead mg/cm^2	**Start of Job 1st Calibration Check of the Shift** Reading #	Result	**2nd Calibration Check of the Shift** Reading #	Result	**3rd Calibration Check of the Shift** Reading #	Result	**4th Calibration Check of the Shift** Reading #	Result
1.00 ± 0.2	1	1.06	-	1.14	-	1.14	-	-
1.00 ± 0.2	2	1.08	-	1.14	-	1.13	-	-
1.00 ± 0.2	3	1.07	-	1.17	-	1.17	-	-

Note: At least three (3) calibration samples should be taken before and after the inspection has been completed. In addition, three (3) calibration samples should be taken at four (4) hour intervals.

VIVA
EHS

Calibration Check Test Form

Client: United States Department of Transportation
Address: Former Frog, Switch & Manufacturing Company, 600 East High Street, Carlisle, PA 17013
Date: 09/17/2025
Project Number: **250640**
XRF Serial #: 01331
Inspector: Jared Thurman Whack
Inspector Signature: 

Lead Paint Standards Surface Lead mg/cm^2	**Start of Job 1st Calibration Check of the Shift** Reading #	Result	**2nd Calibration Check of the Shift** Reading #	Result	**3rd Calibration Check of the Shift** Reading #	Result	**4th Calibration Check of the Shift** Reading #	Result
1.00 ± 0.2	1	0.81	-	1.08	-	1.18	-	-
1.00 ± 0.2	2	1.06	-	1.09	-	1.18	-	-
1.00 ± 0.2	3	1.09	-	1.09	-	1.18	-	-

Note: At least three (3) calibration samples should be taken before and after the inspection has been completed. In addition, three (3) calibration samples should be taken at four (4) hour intervals.

VIVA
EHS

Calibration Check Test Form

Client:	United States Department of Transportation
Address: Former Frog, Switch & Manufacturing Company, 600 East High Street, Carlisle, PA 17013	
Date:	**09/18/2025**
Project Number:	**250640**
XRF Serial #:	**01331**
Inspector: Jared Thurman Whack	
Inspector Signature:	

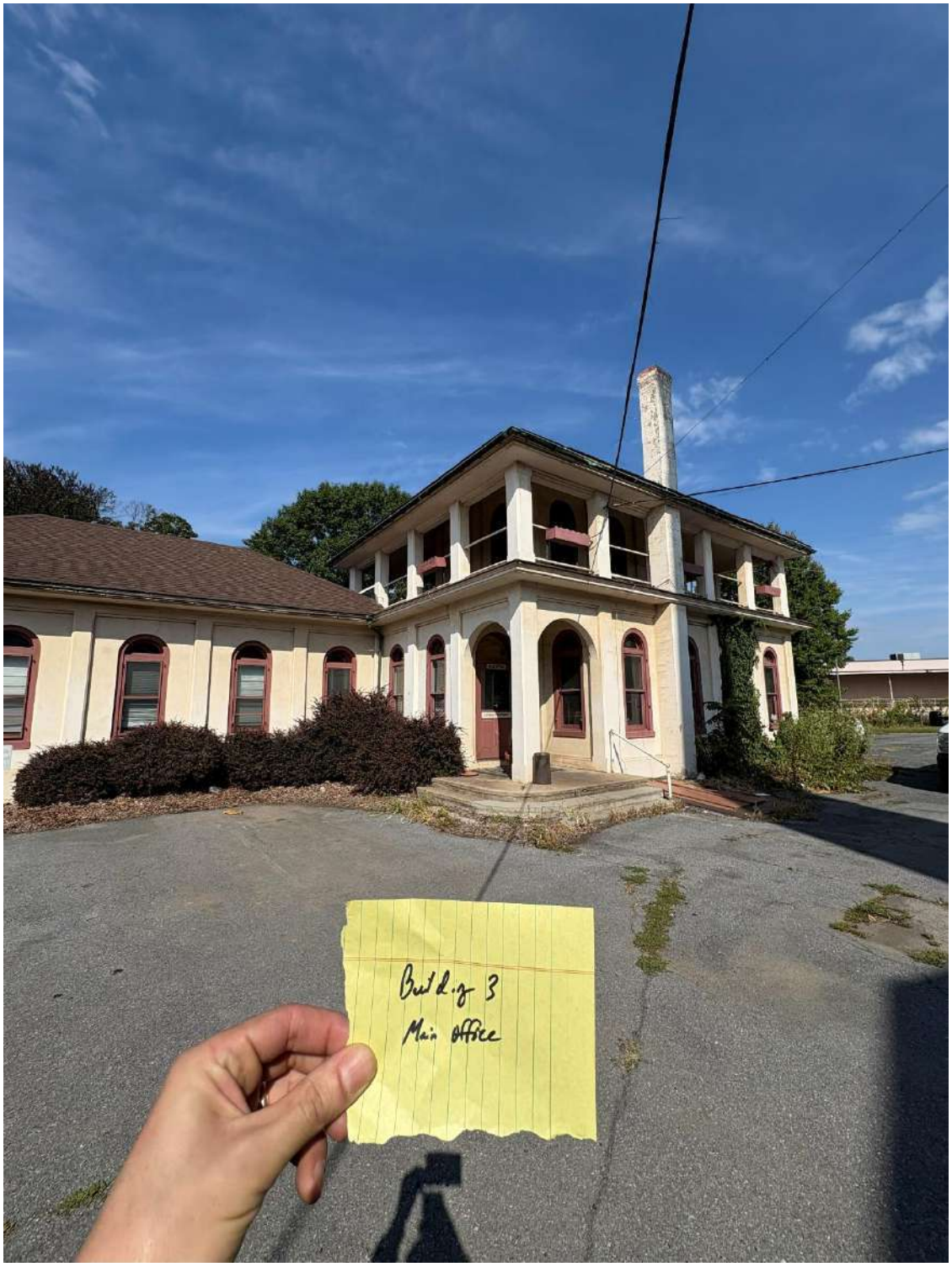
Lead Paint Standards	**Start of Job**							
	1st Calibration Check of the Shift		**2nd Calibration Check of the Shift**		**3rd Calibration Check of the Shift**		**4th Calibration Check of the Shift**	
Surface Lead mg/cm²	**Reading #**	**Result**	**Reading #**	**Result**	**Reading #**	**Result**	**Reading #**	**Result**
1.00 ± 0.2	1	1.17	-	1.06	-	0.47	-	-
1.00 ± 0.2	2	0.89	-	1.06	-	1.15	-	-
1.00 ± 0.2	3	0.96	-	1.09	-	0.98	-	-

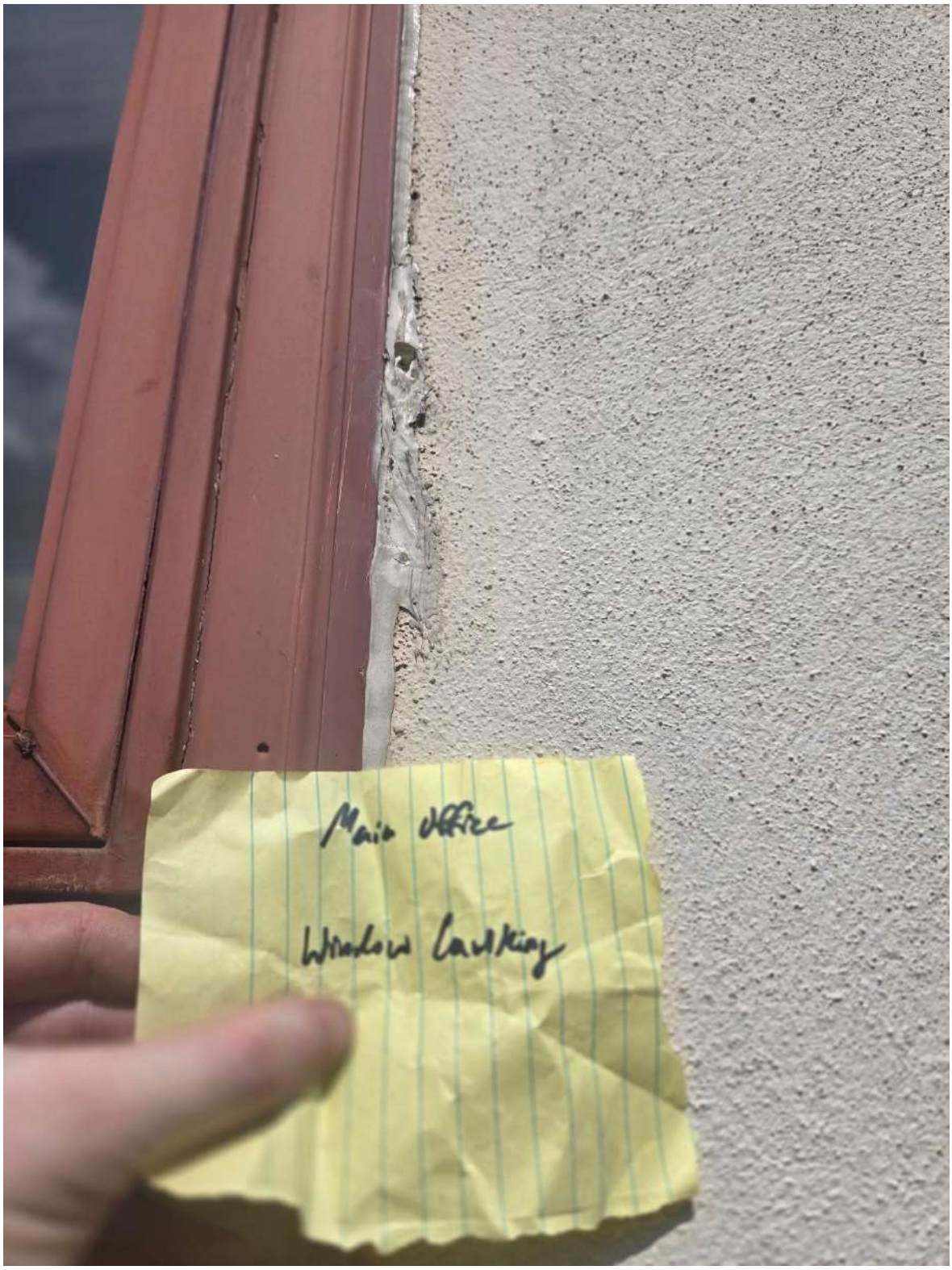
Note: At least three (3) calibration samples should be taken before and after the inspection has been completed. In addition, three (3) calibration samples should be taken at four (4) hour intervals.

Photographs of Suspect Materials Sampled for Asbestos

PHOTOGRAPHS

Building 3 – Main Office

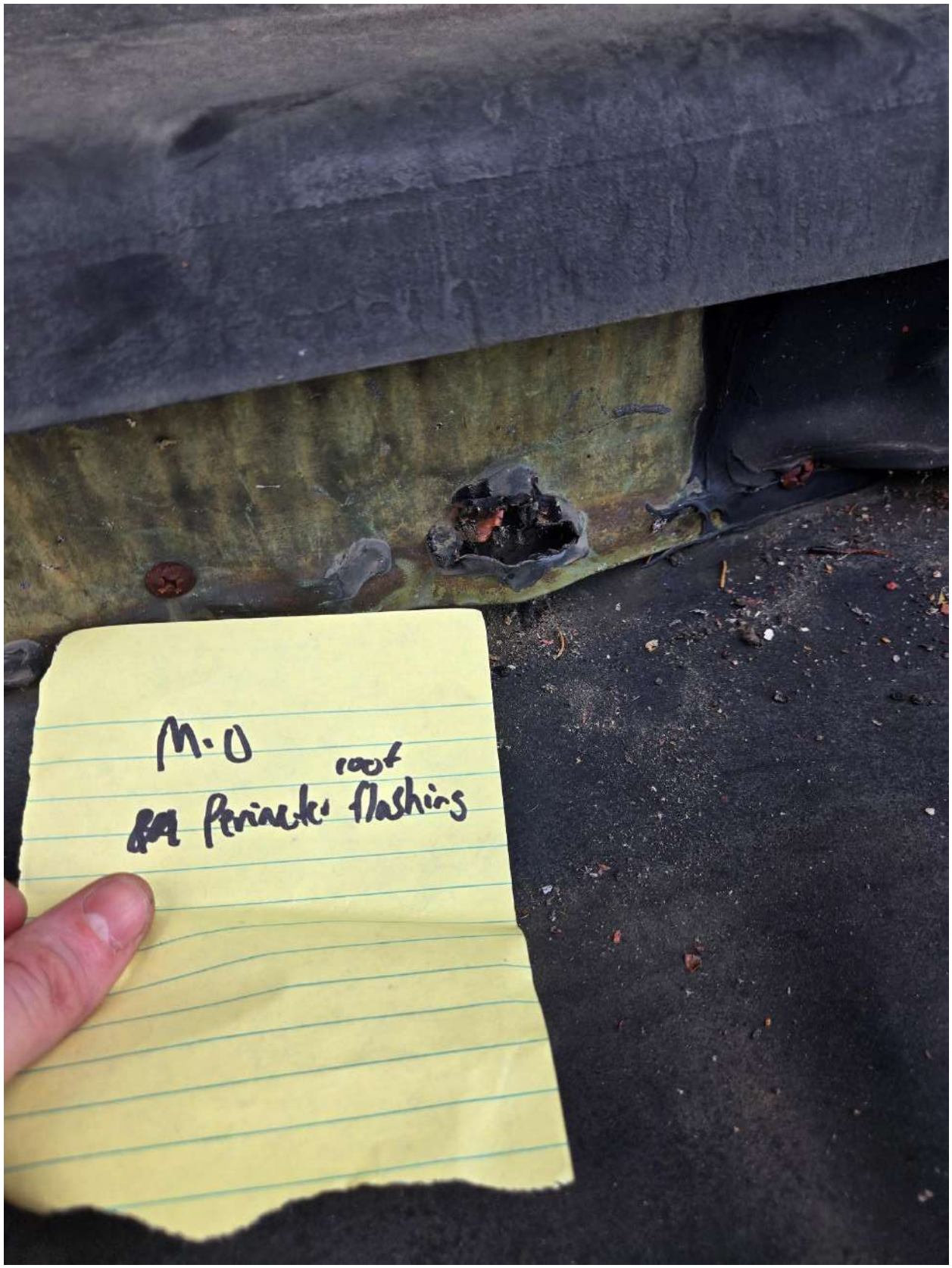



Main office
Window cracking

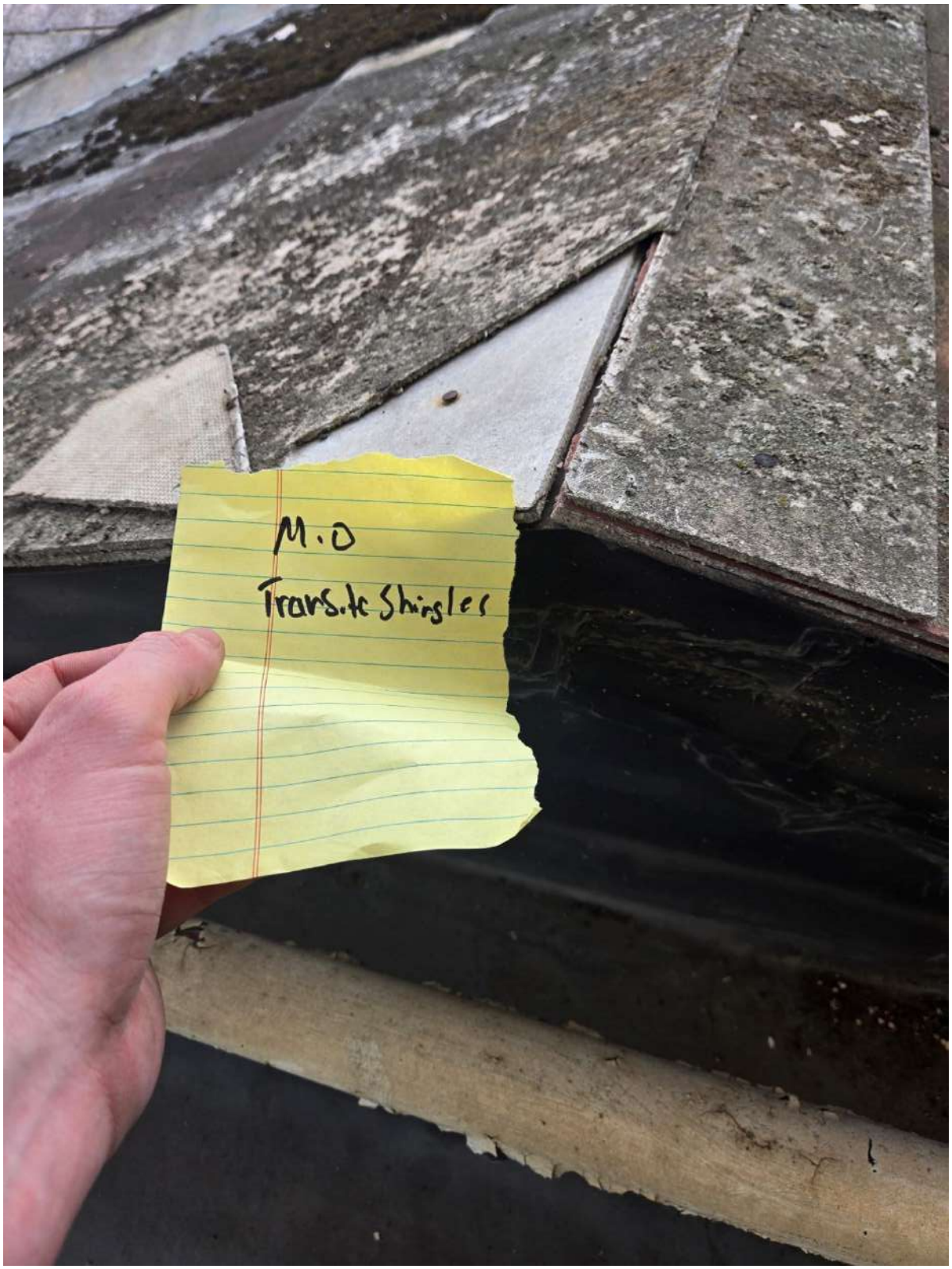


Building 3 – Leveling Compound

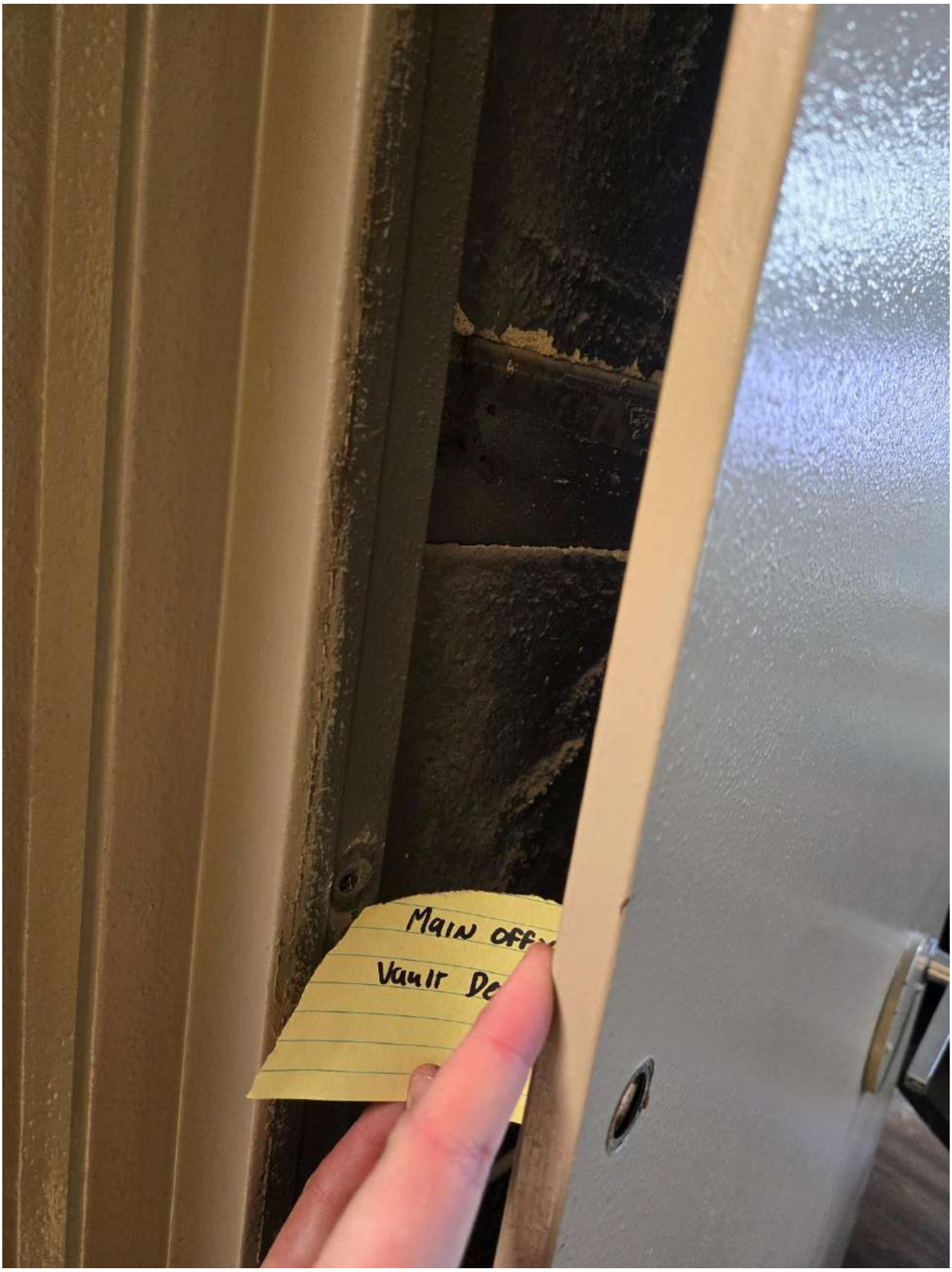
Identified as an asbestos-containing material.



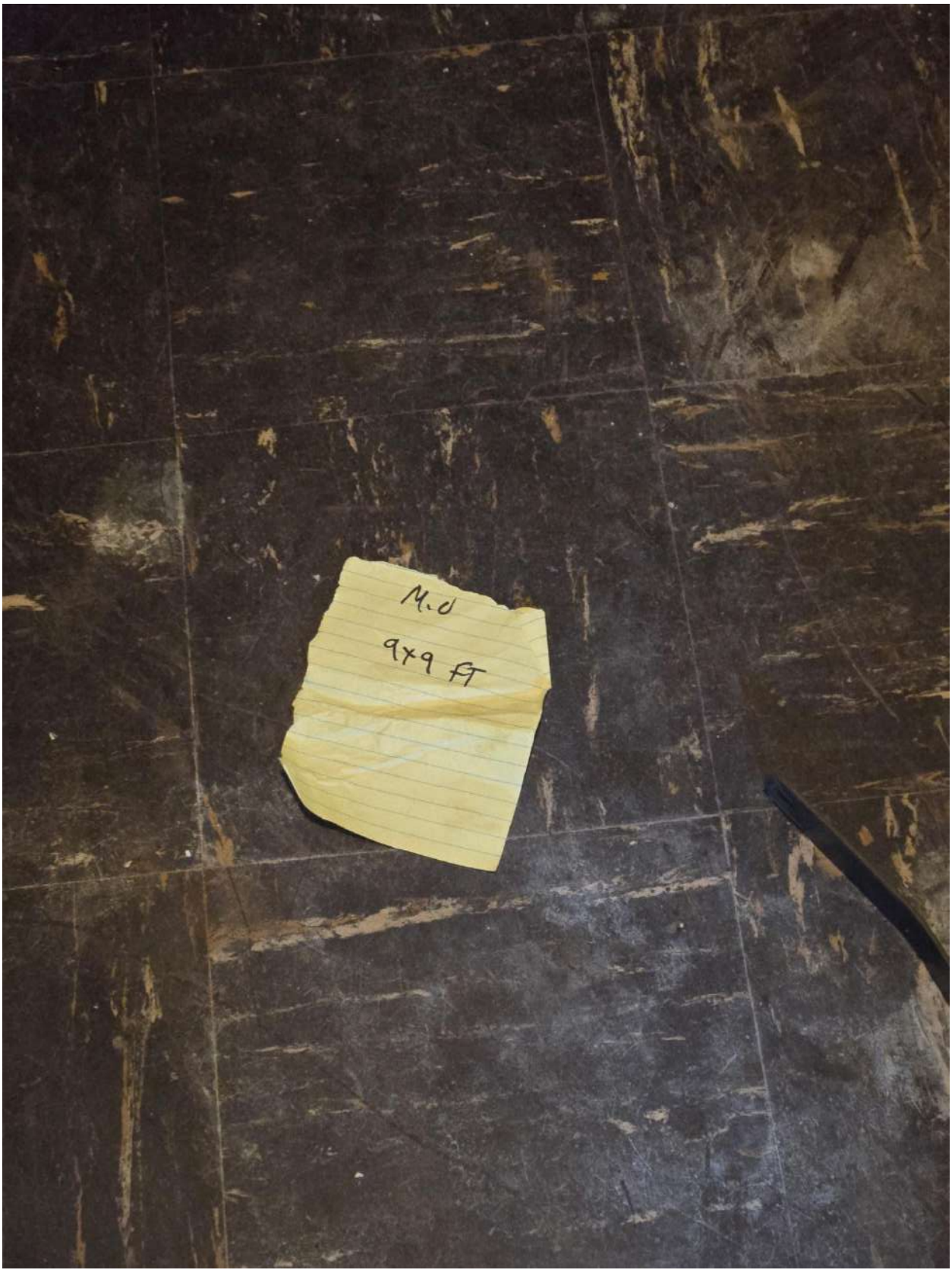
Identified as an asbestos-containing material.



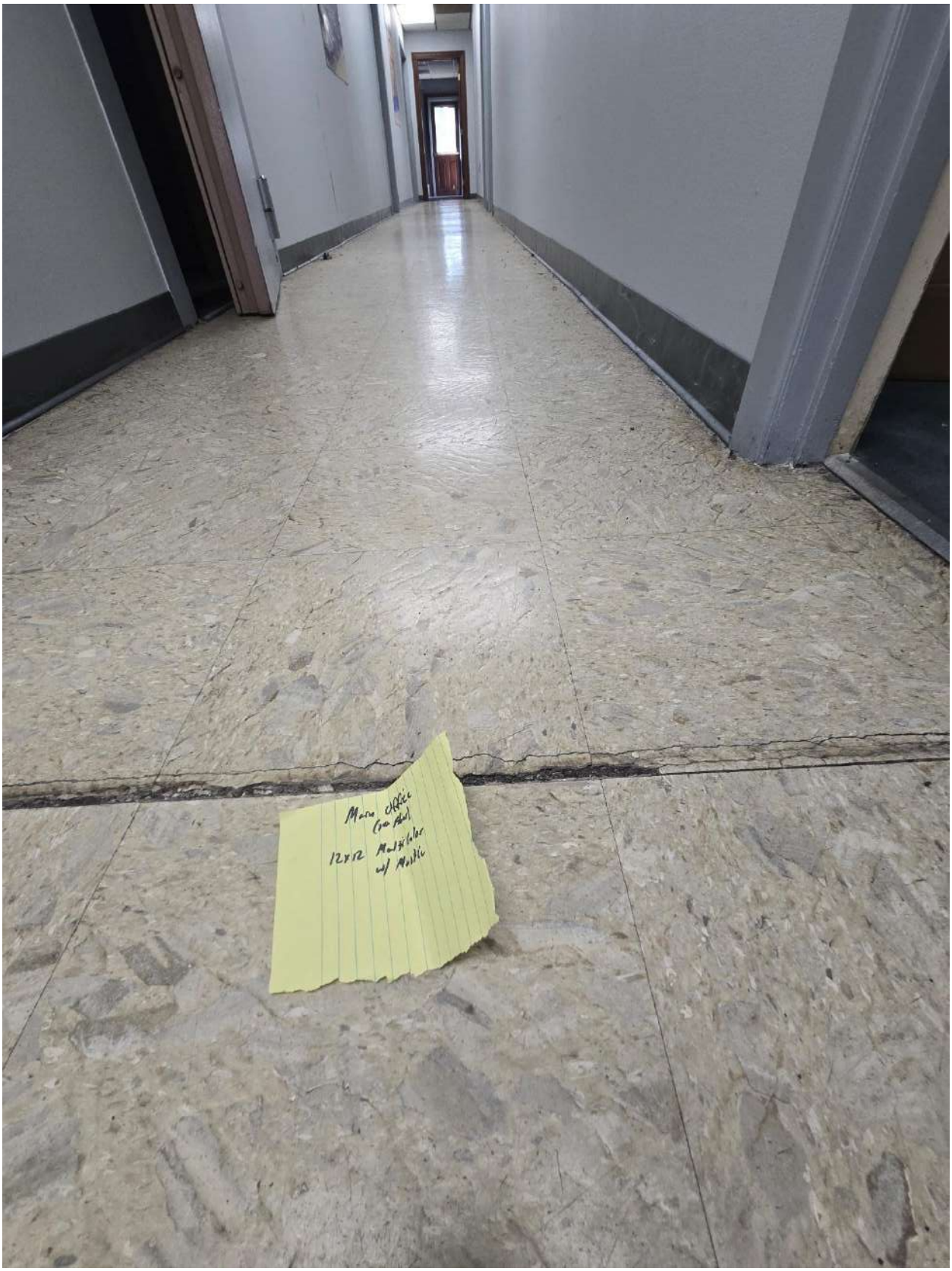

Mo
Tav asphalt shingles


Main off
Vault De

Identified as an asbestos-containing material.

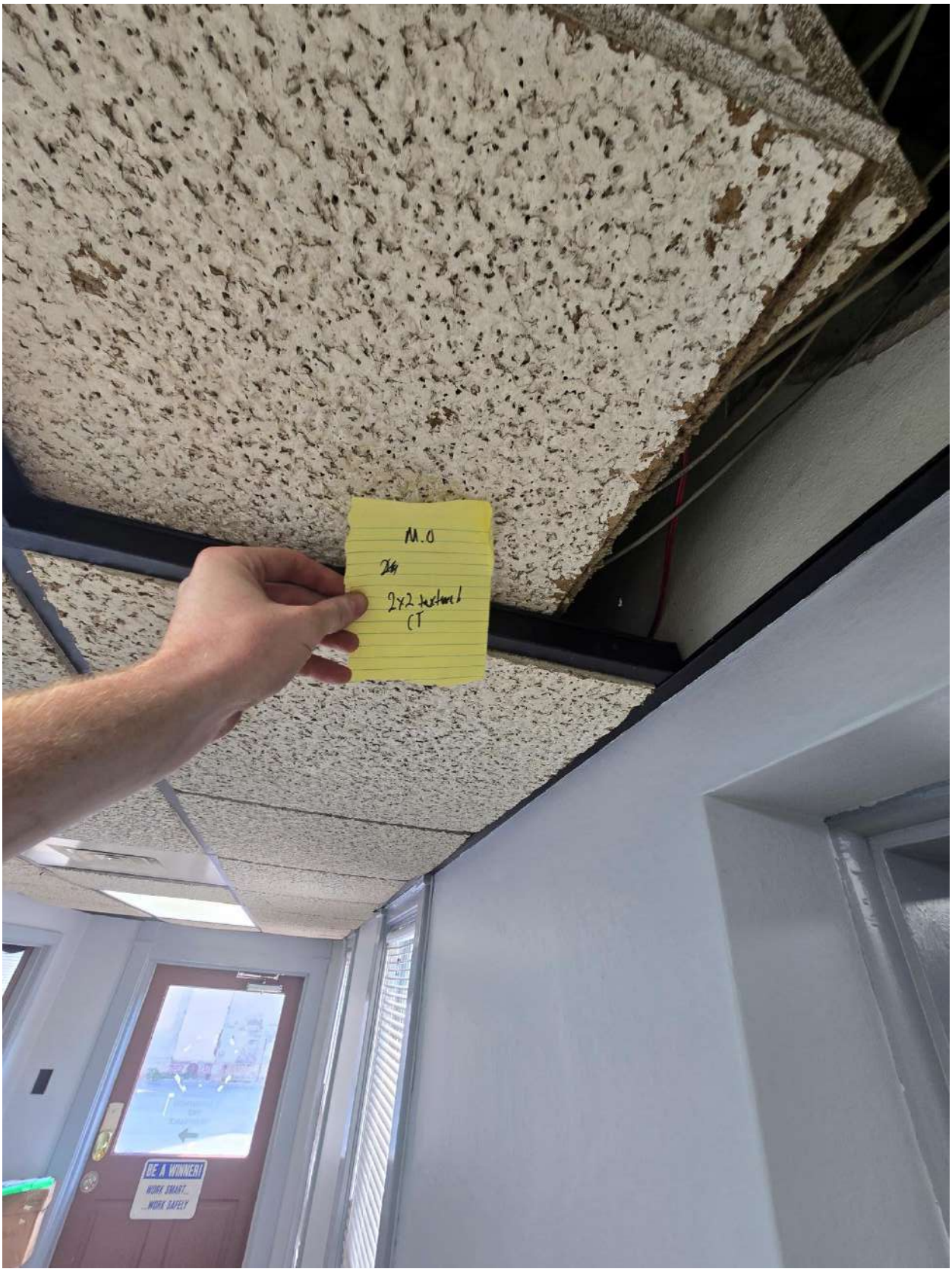


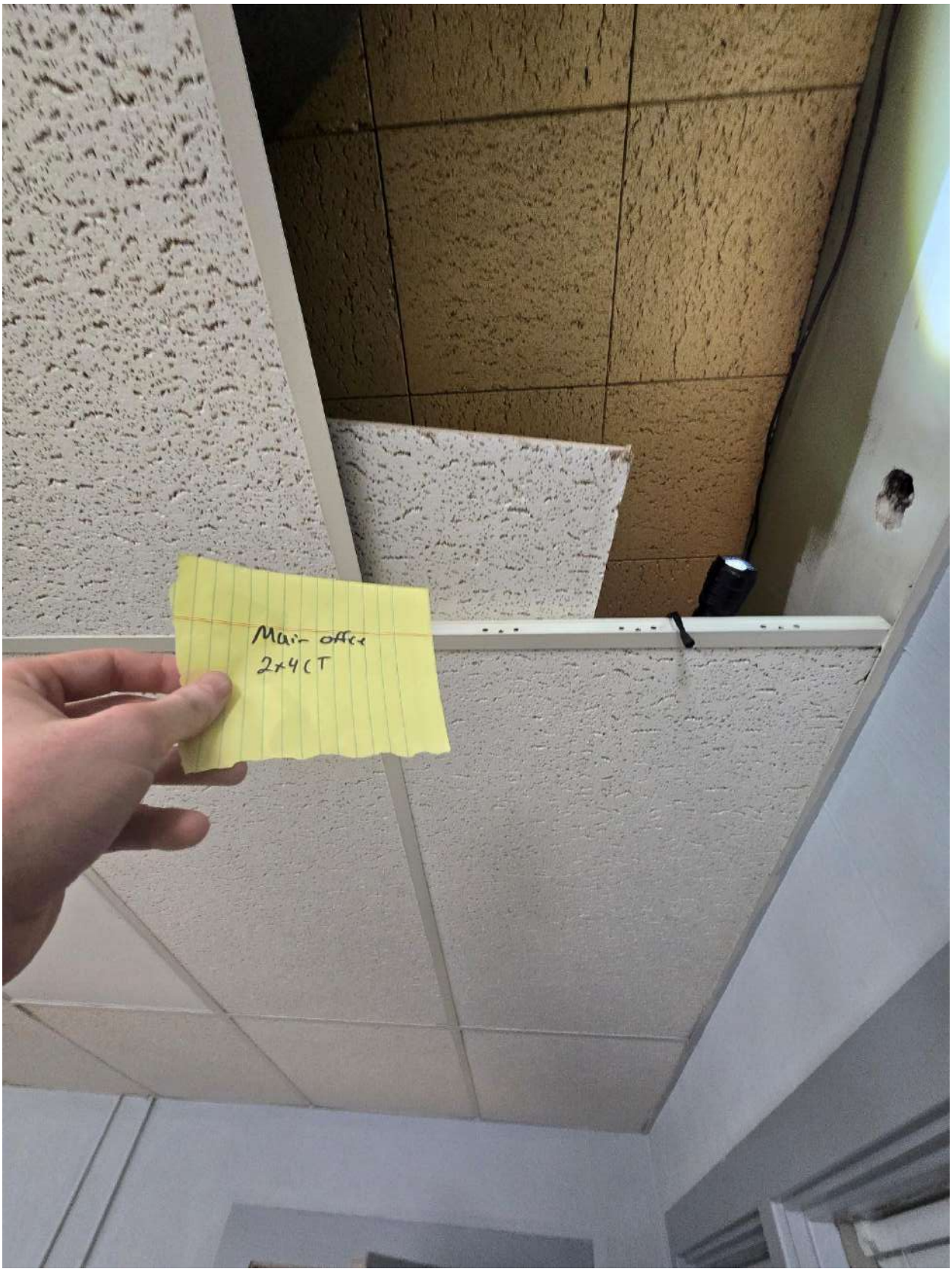

M.D
carpet glue

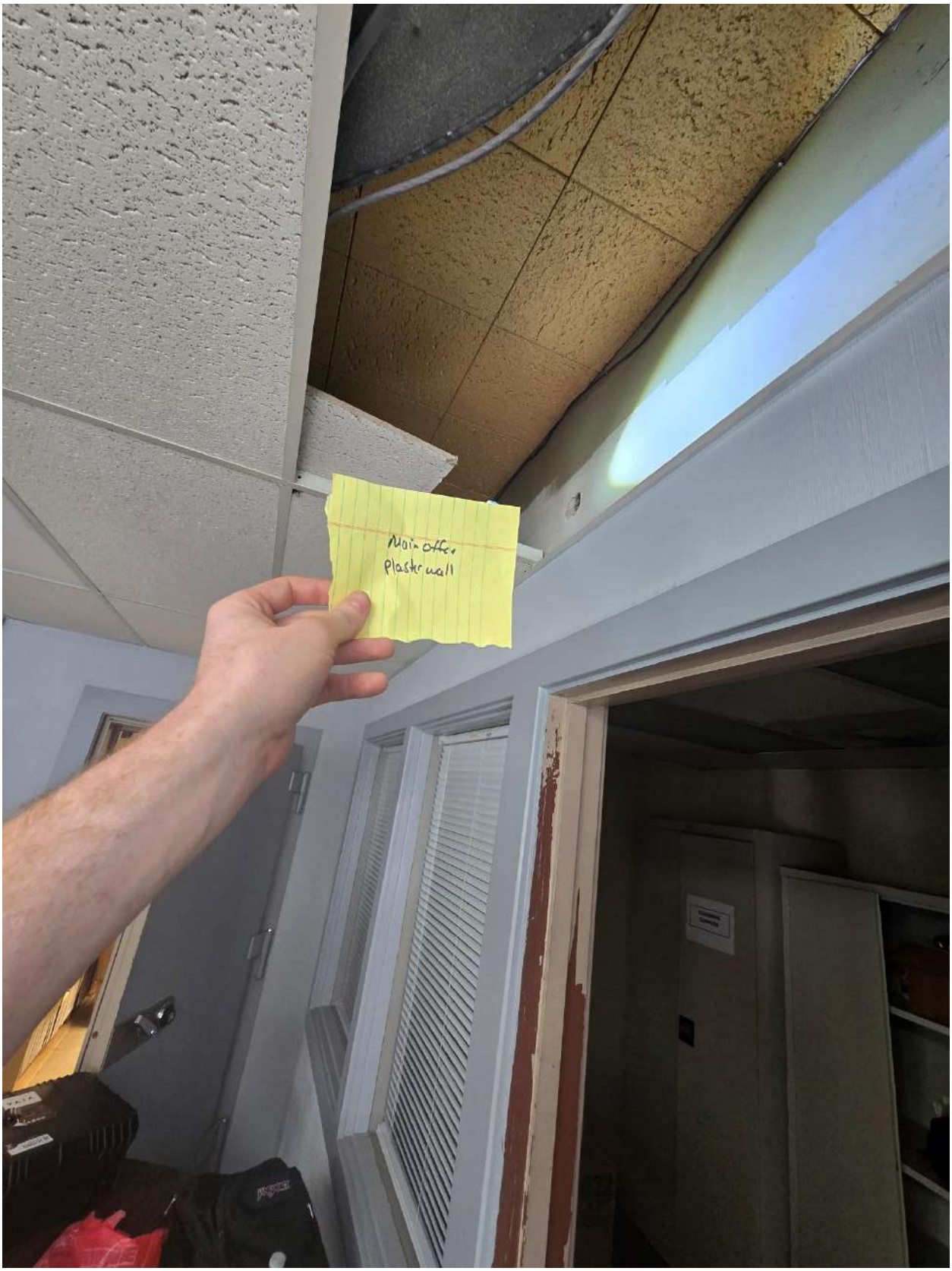

Main office
Gray Abuli
12x12 Multicolor
w/ Metallic


A.0
Brown cove base

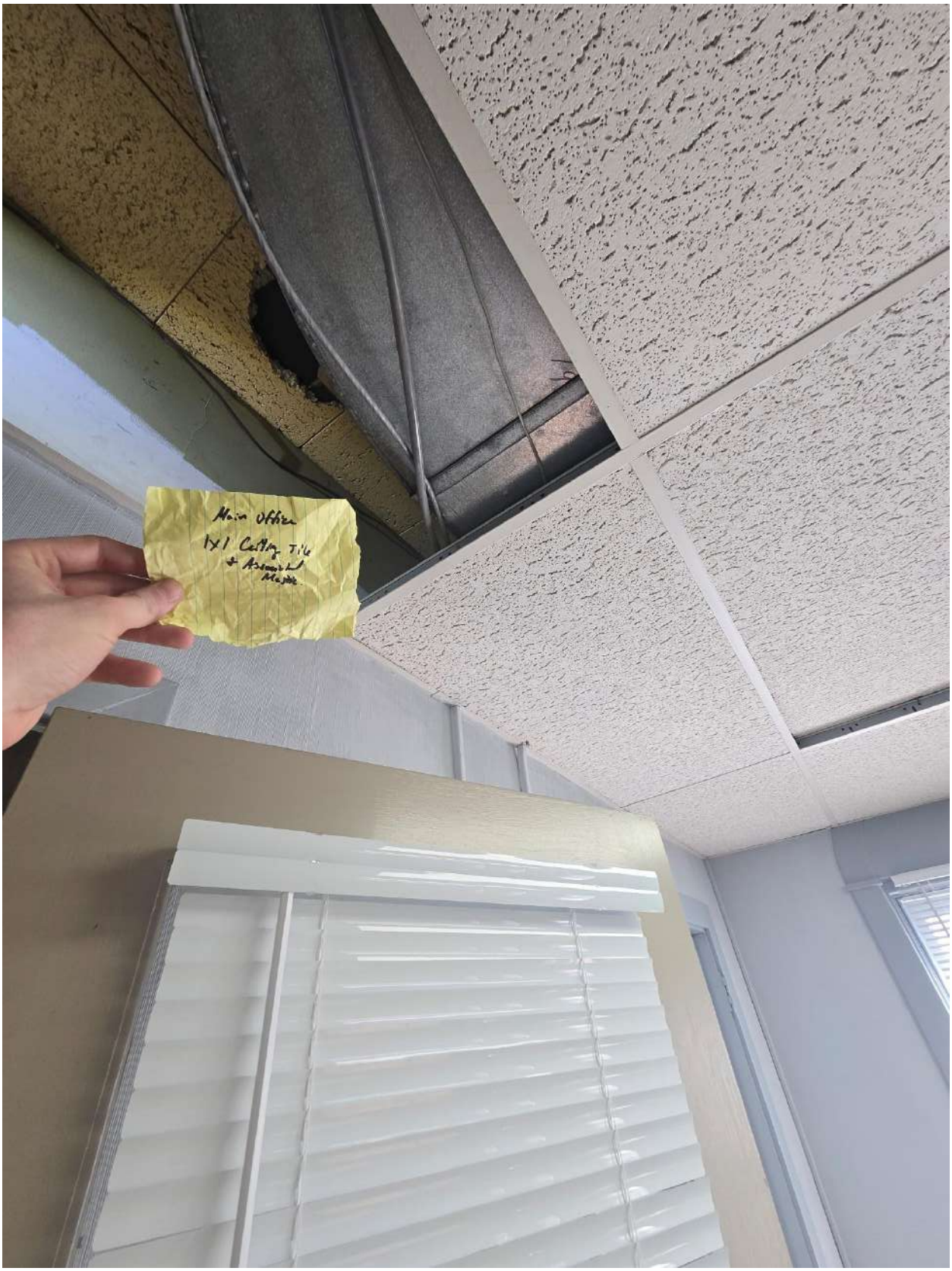

N.O
2x4

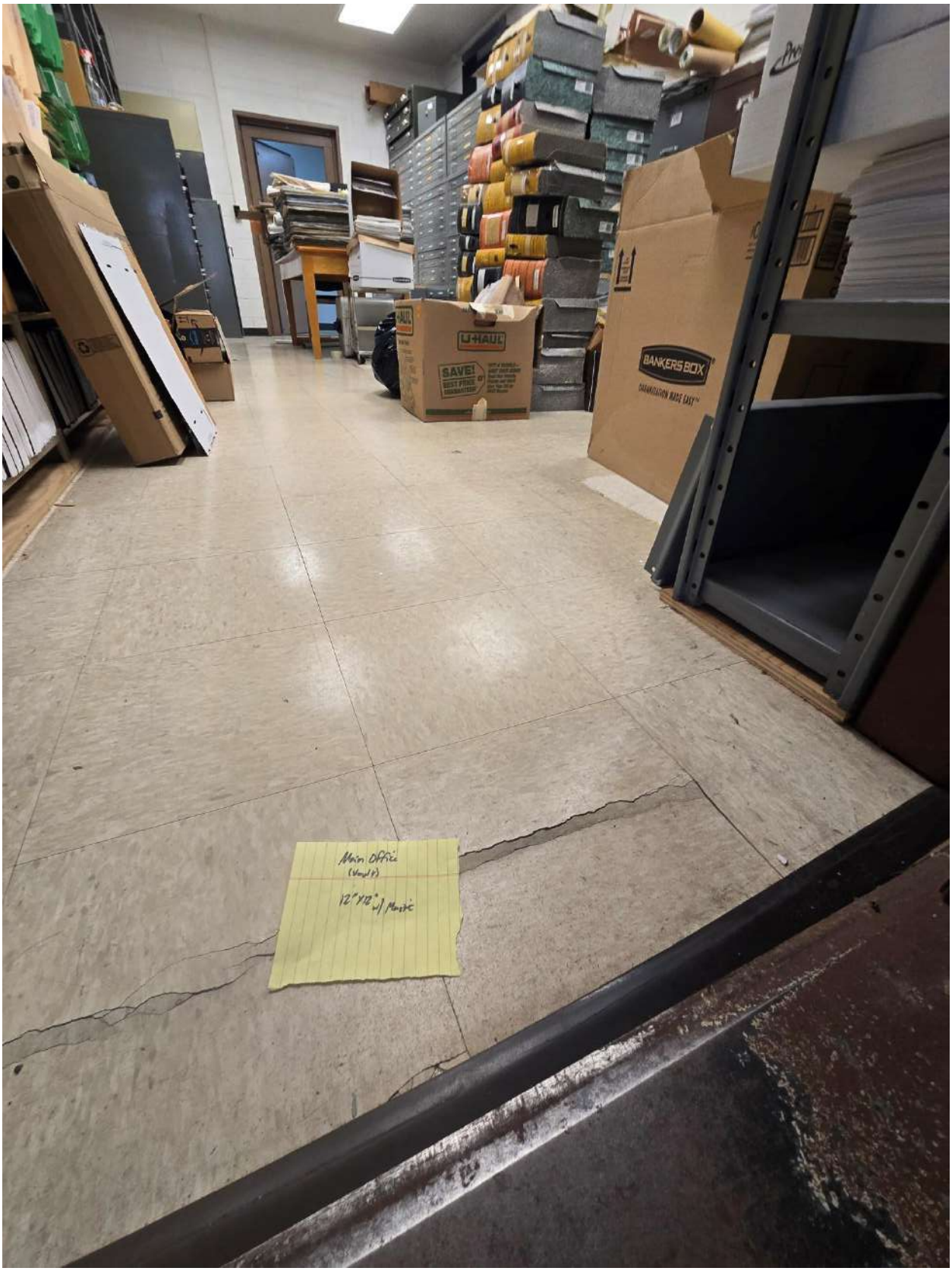

M.O
2x2
(T
BE A WINNER!
WORK SMART...
...WORK SAFELY


Main office
2x4 CT


Main office
Plaster wall

Main office
Plaster wall


Main Office
1x1


U-HAUL
SAVE!
BANKERS BOX
Main Office
(Vinyl)
12"x12" w/ Mastic


Main Office
1x1 Ceiling Tile
& Associated

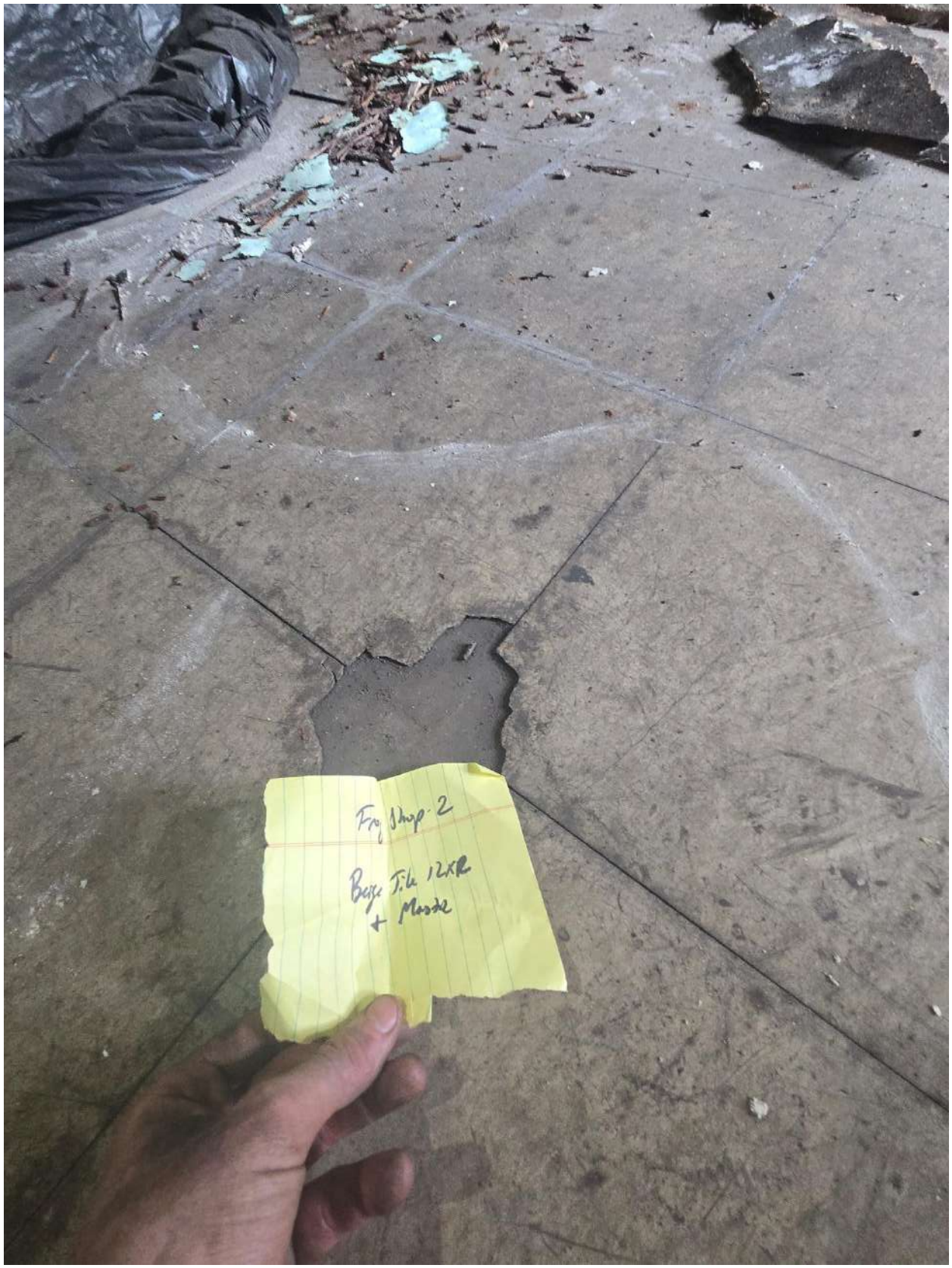
Identified as an asbestos-containing material.

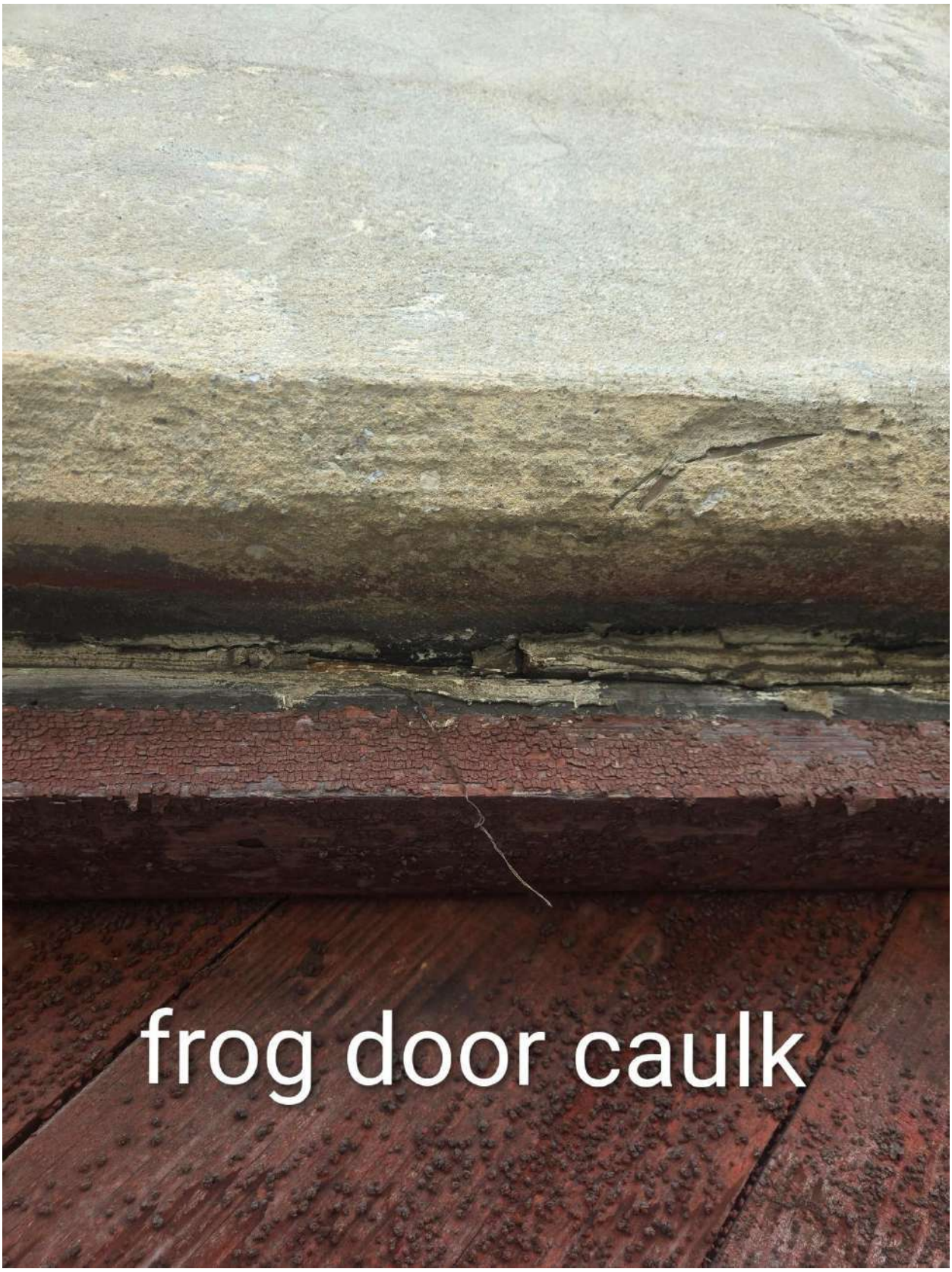


Building 3 - Window glazing.

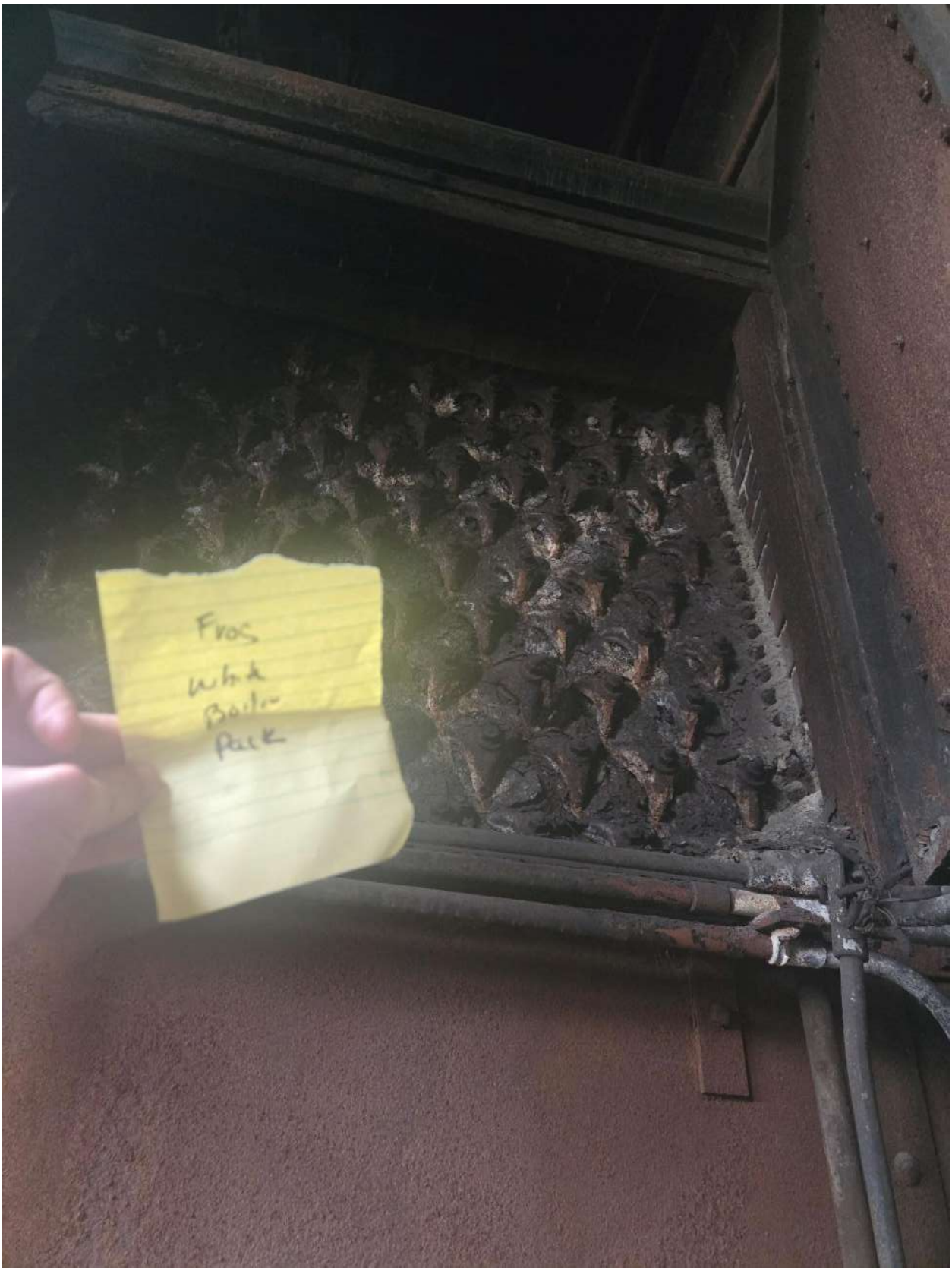
Building 2 – Frog Shop



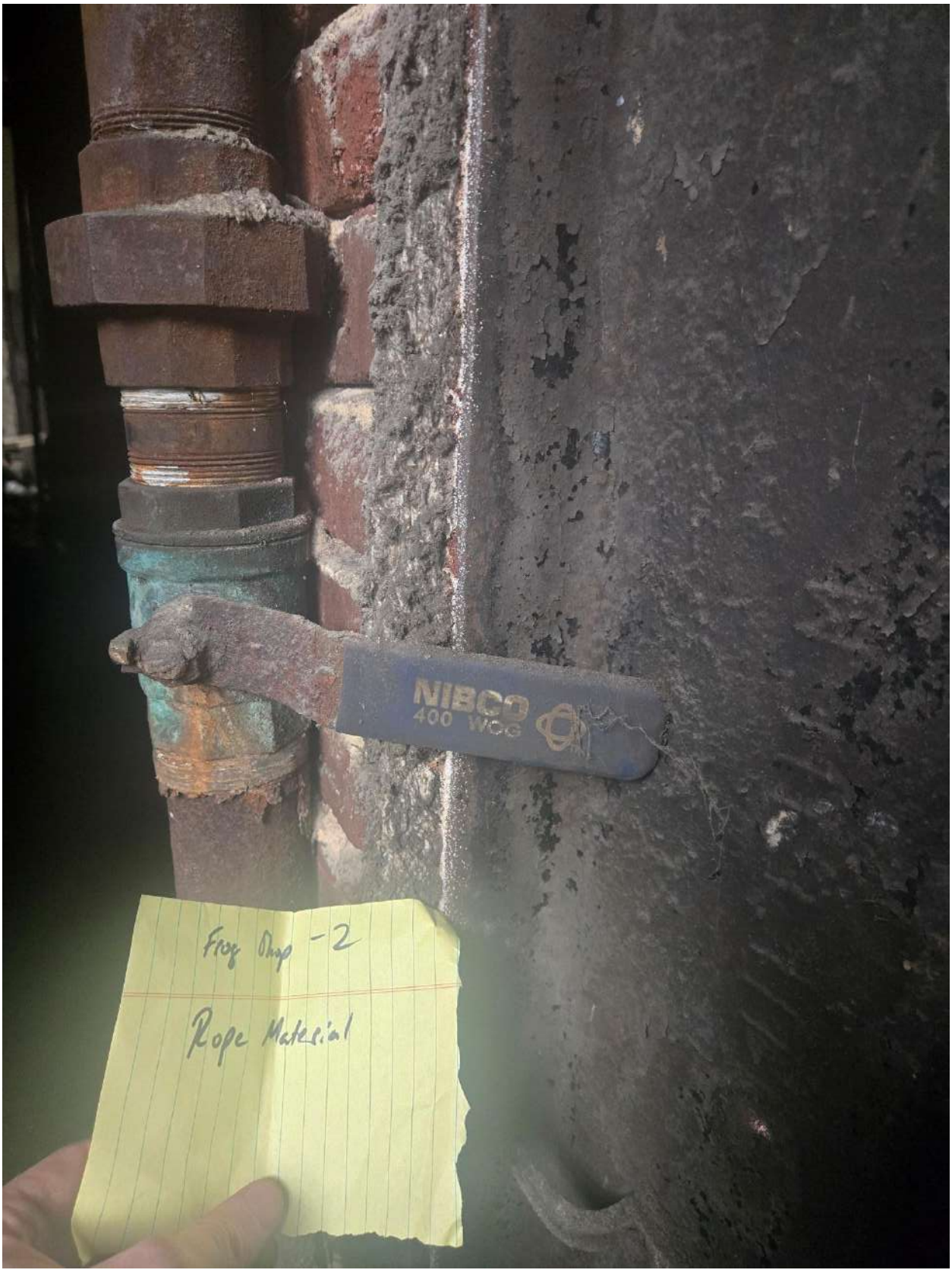

Beige Tile 12x12
+ Mastic

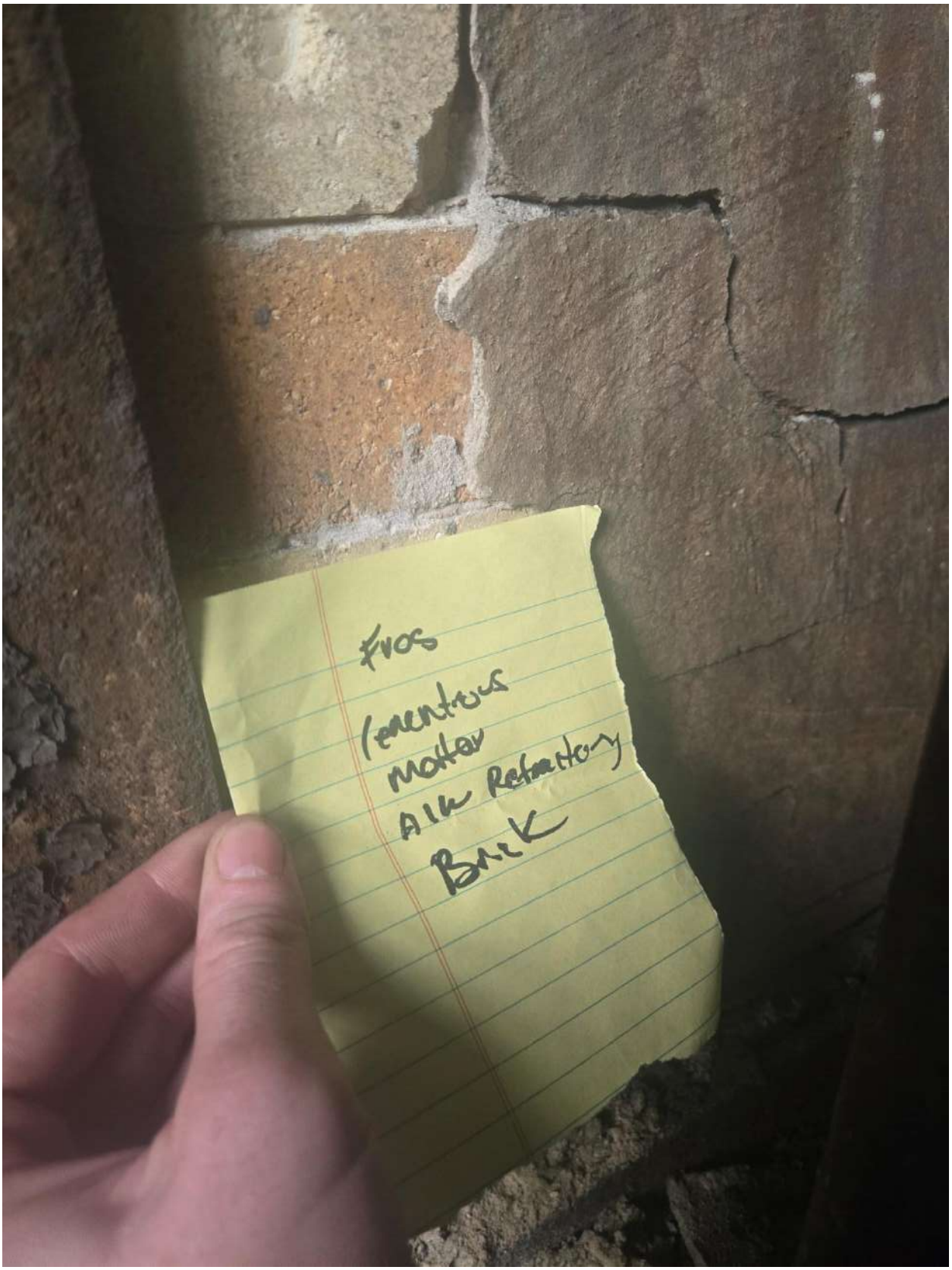

frog door caulk

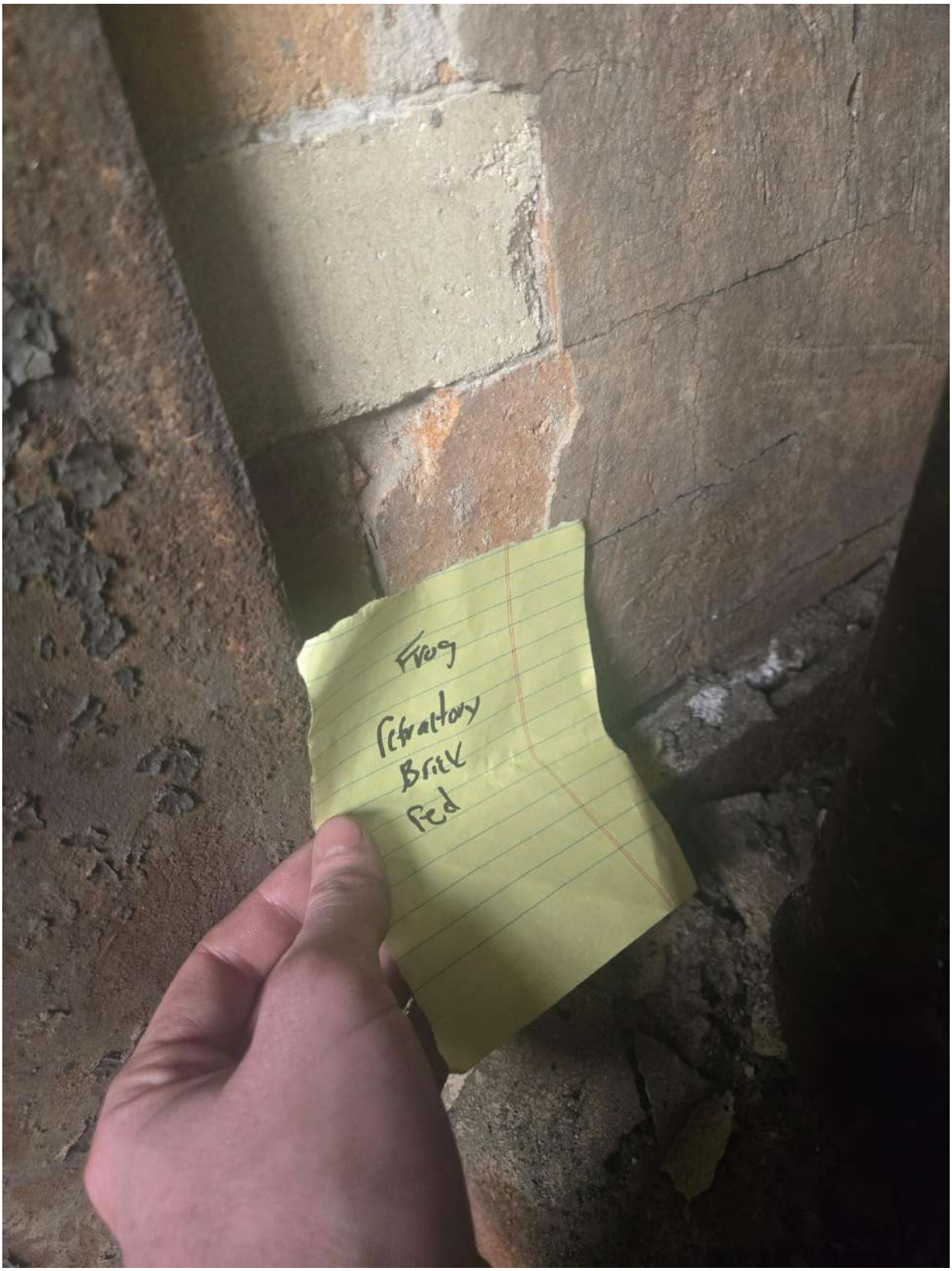

frog (roof membrane a/w A
frame roof)

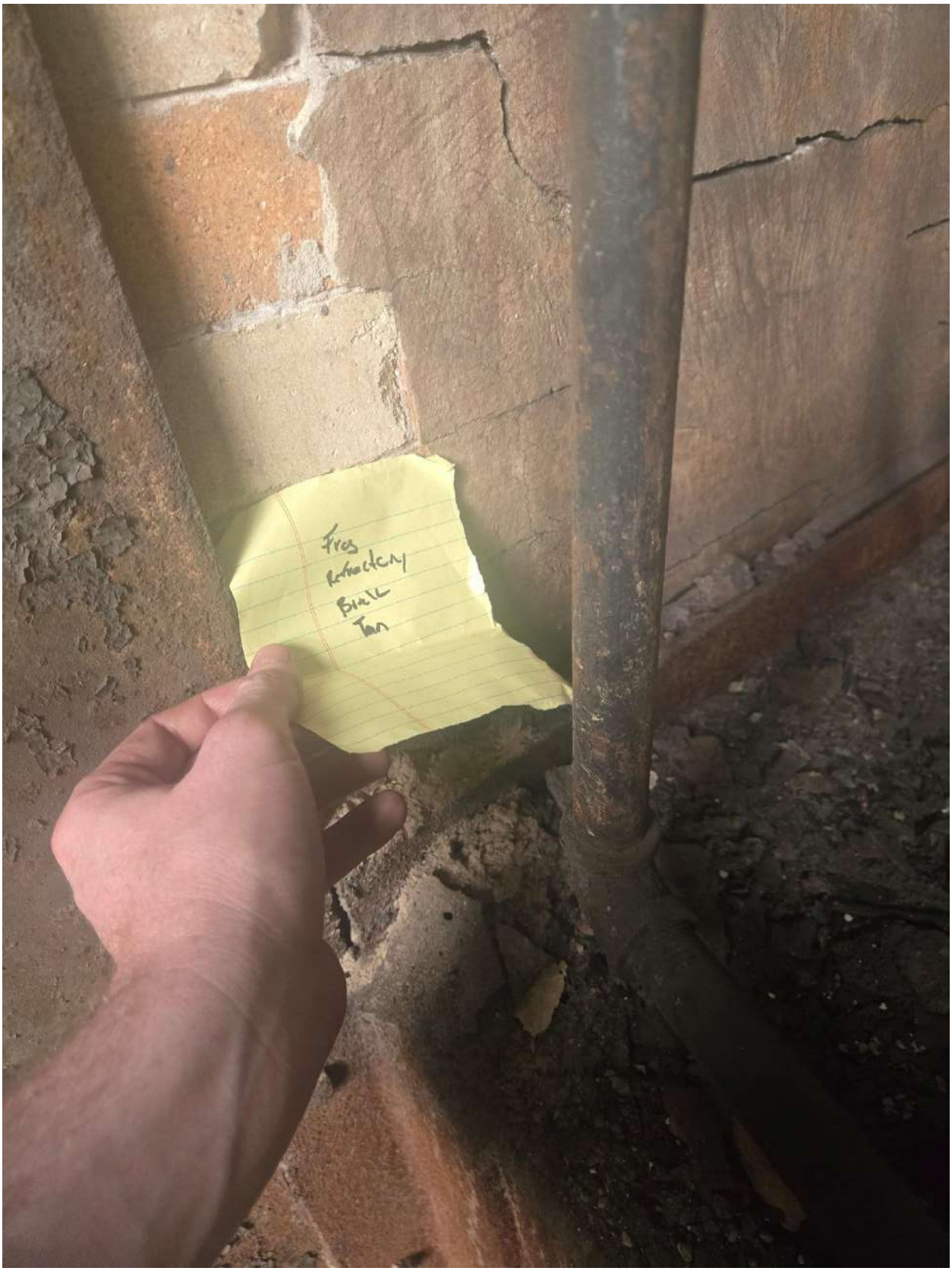

Fros
Wash
Boiler
Rack

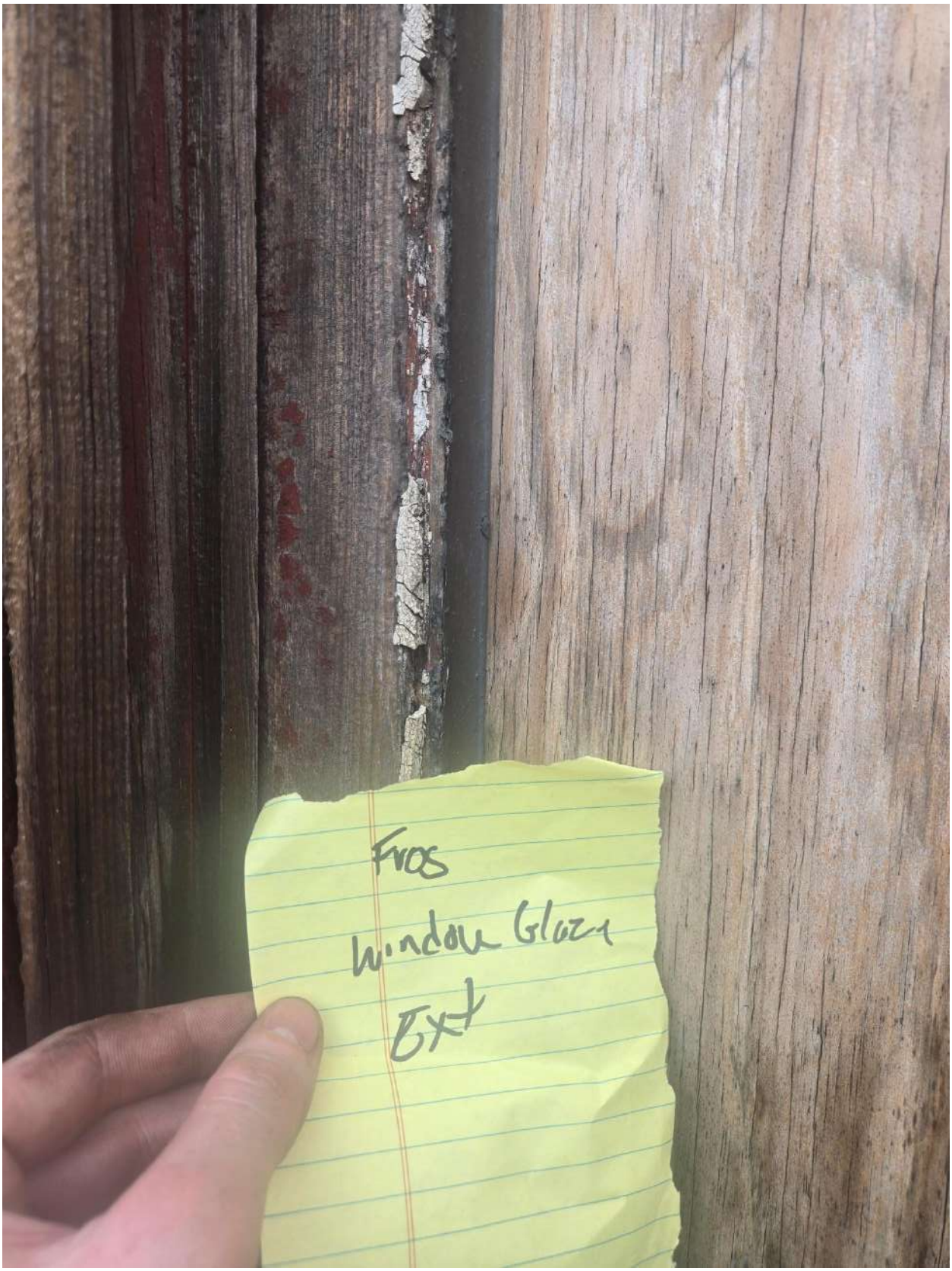
Identified as an asbestos-containing material.

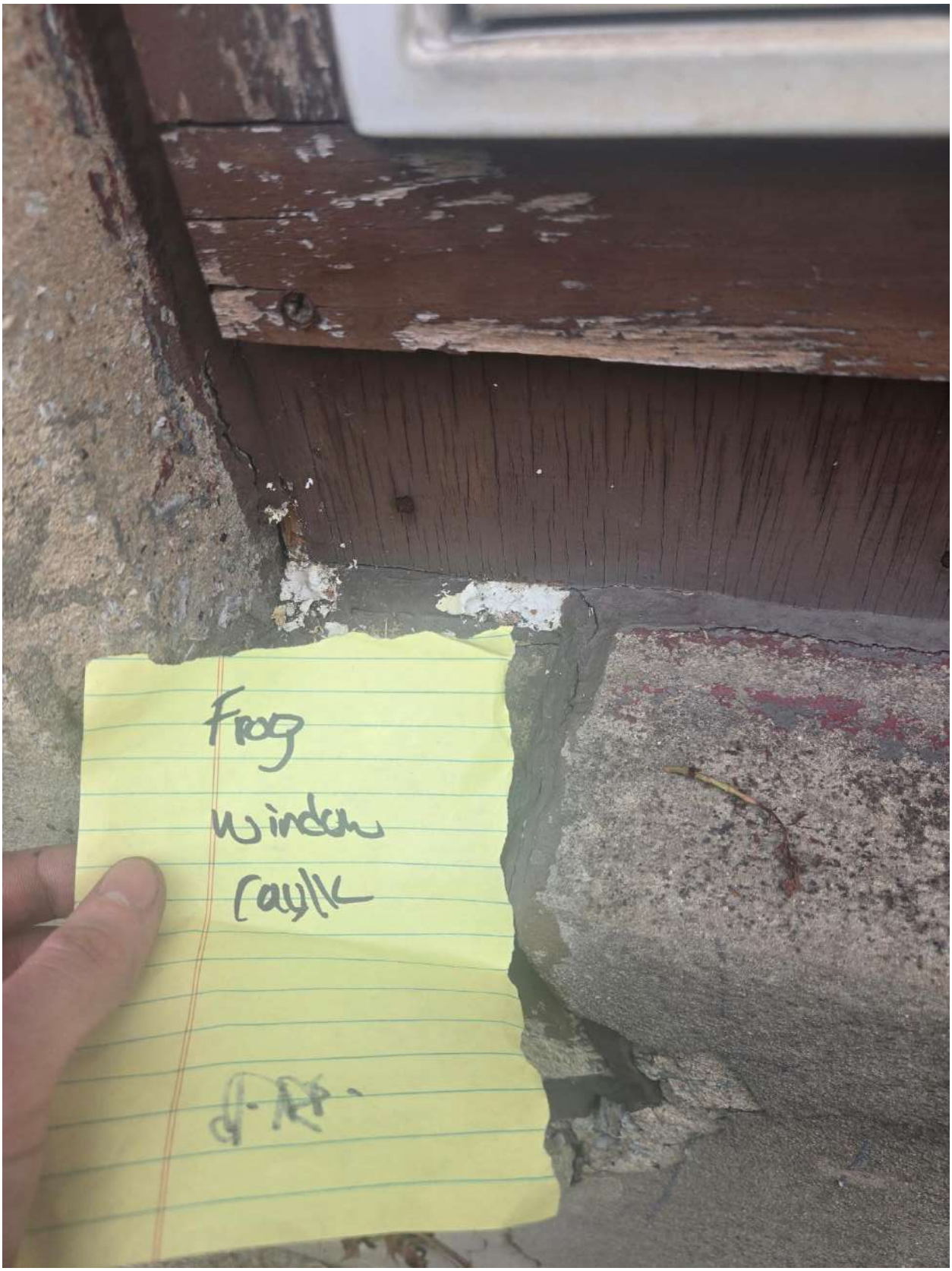



Fros
Cementous
Mortar
Alk Refractory
Brick

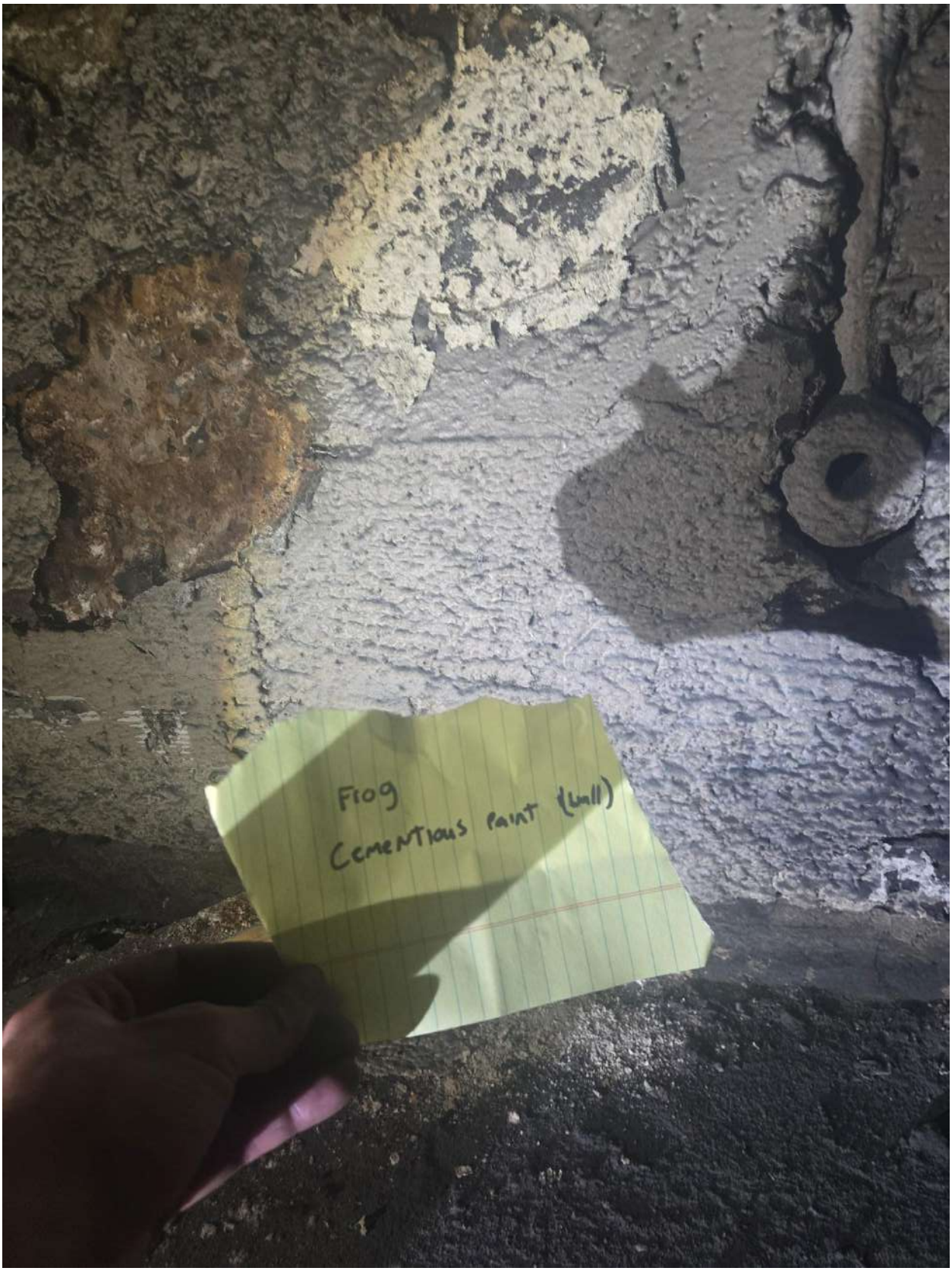

Frog
Refractory
Brick
Red



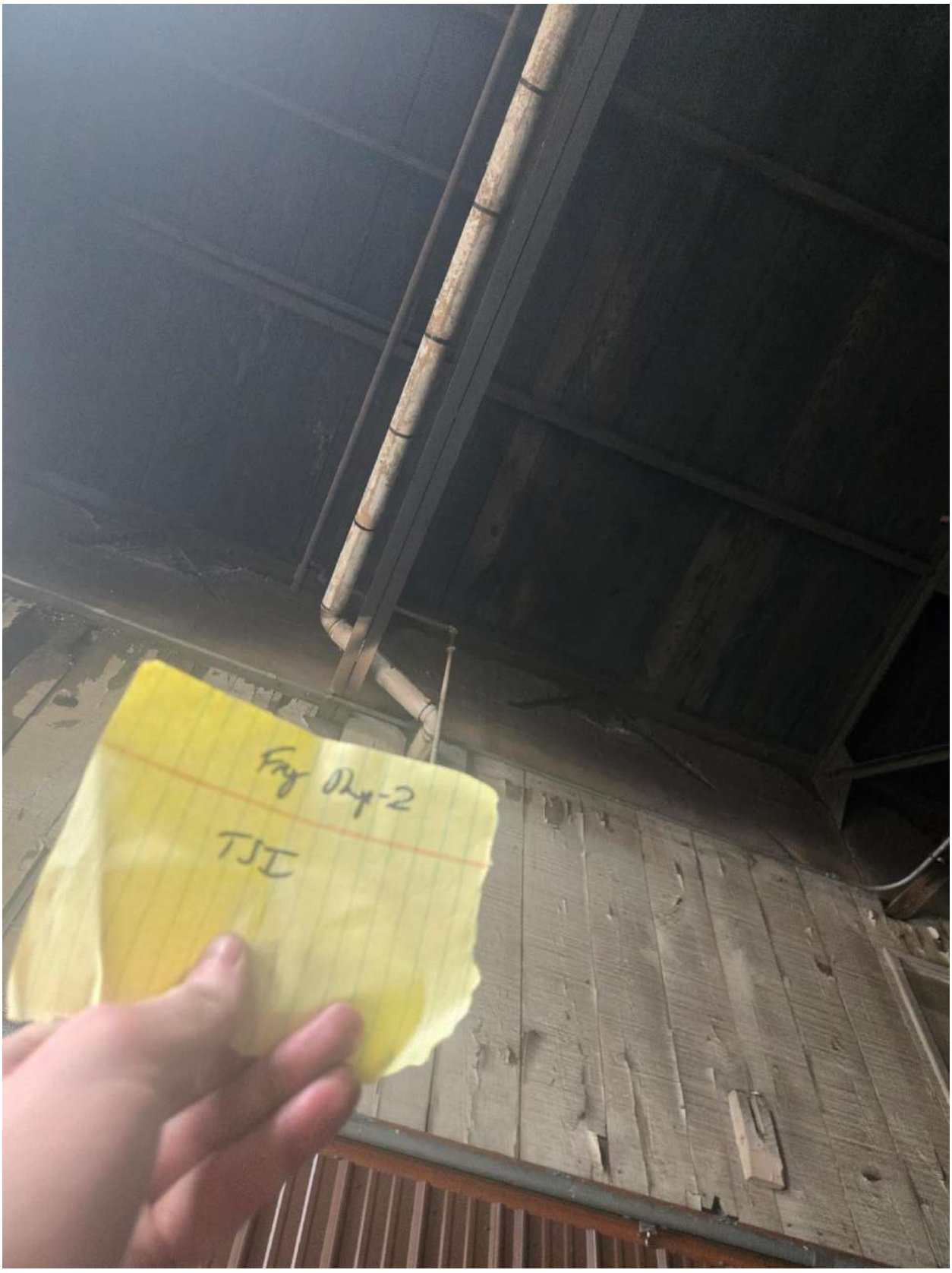

Fros
Window Glaz
Ext

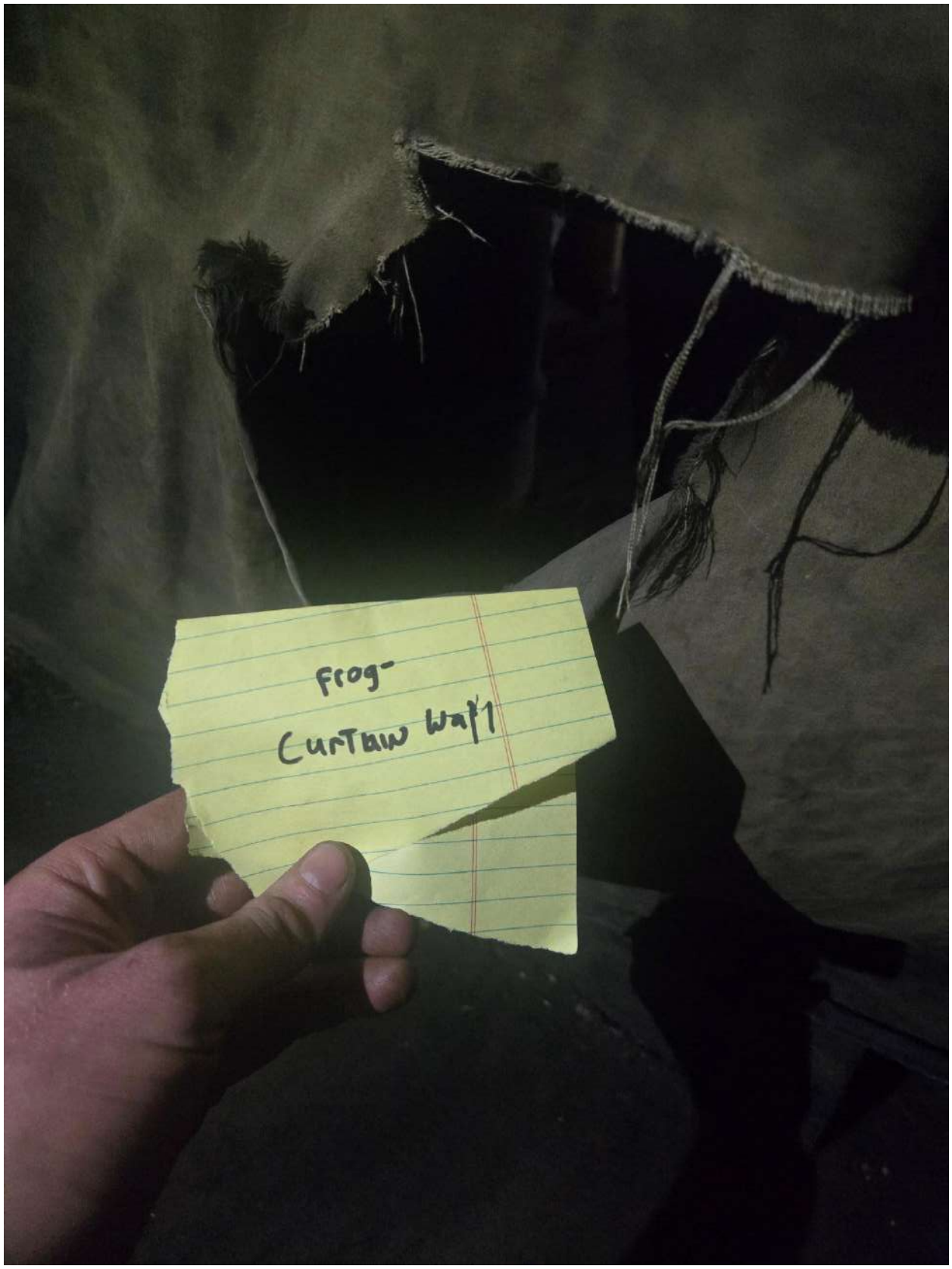

Frog
window
caulk

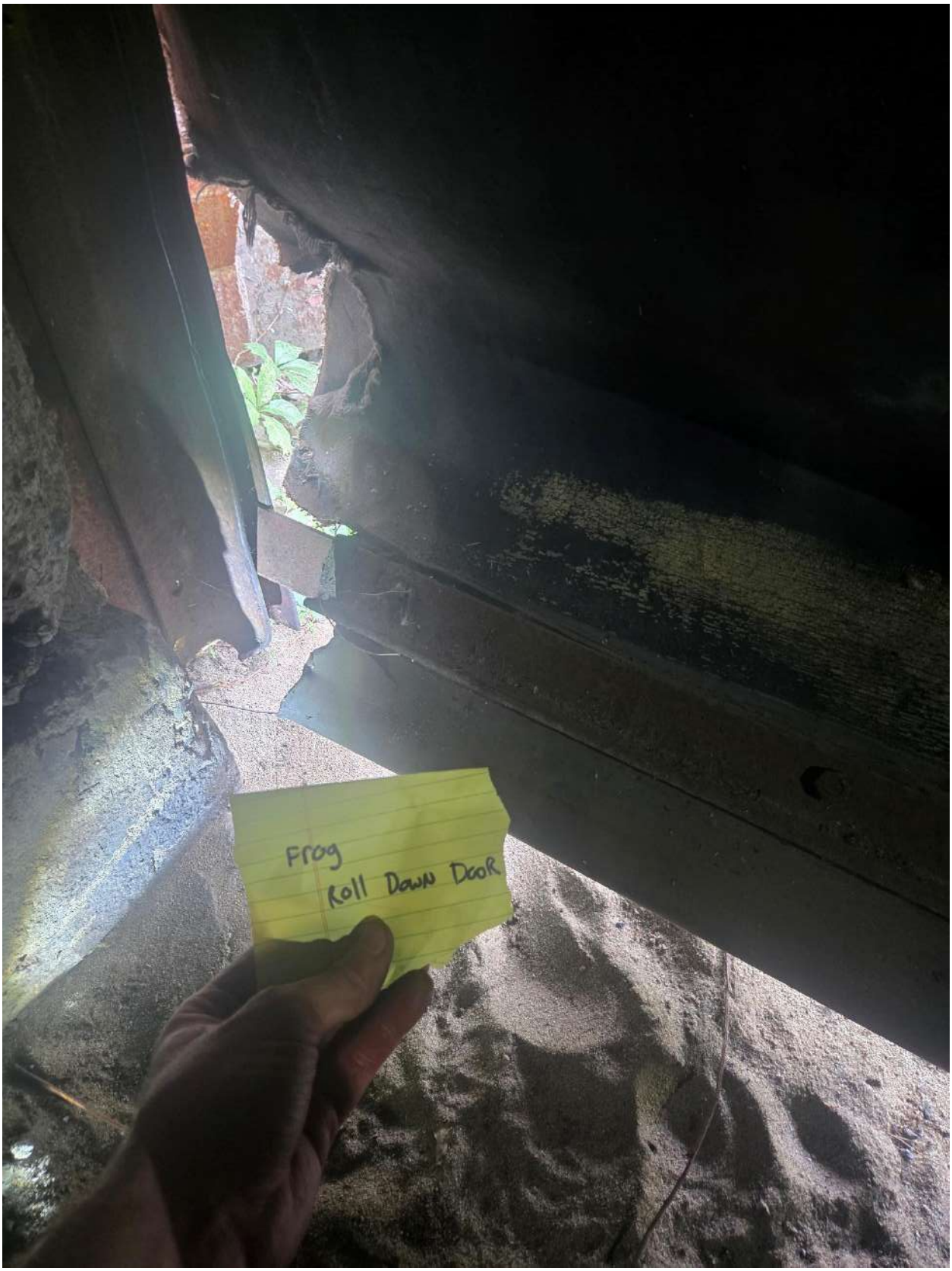

frog (caulk A/W A/C)


Frog
Cementious paint (small)

Identified as an asbestos-containing material.




Frog-
Curtain Wall


Frog
Roll Down Door


Fry Shop - 2
Ceiling Tile

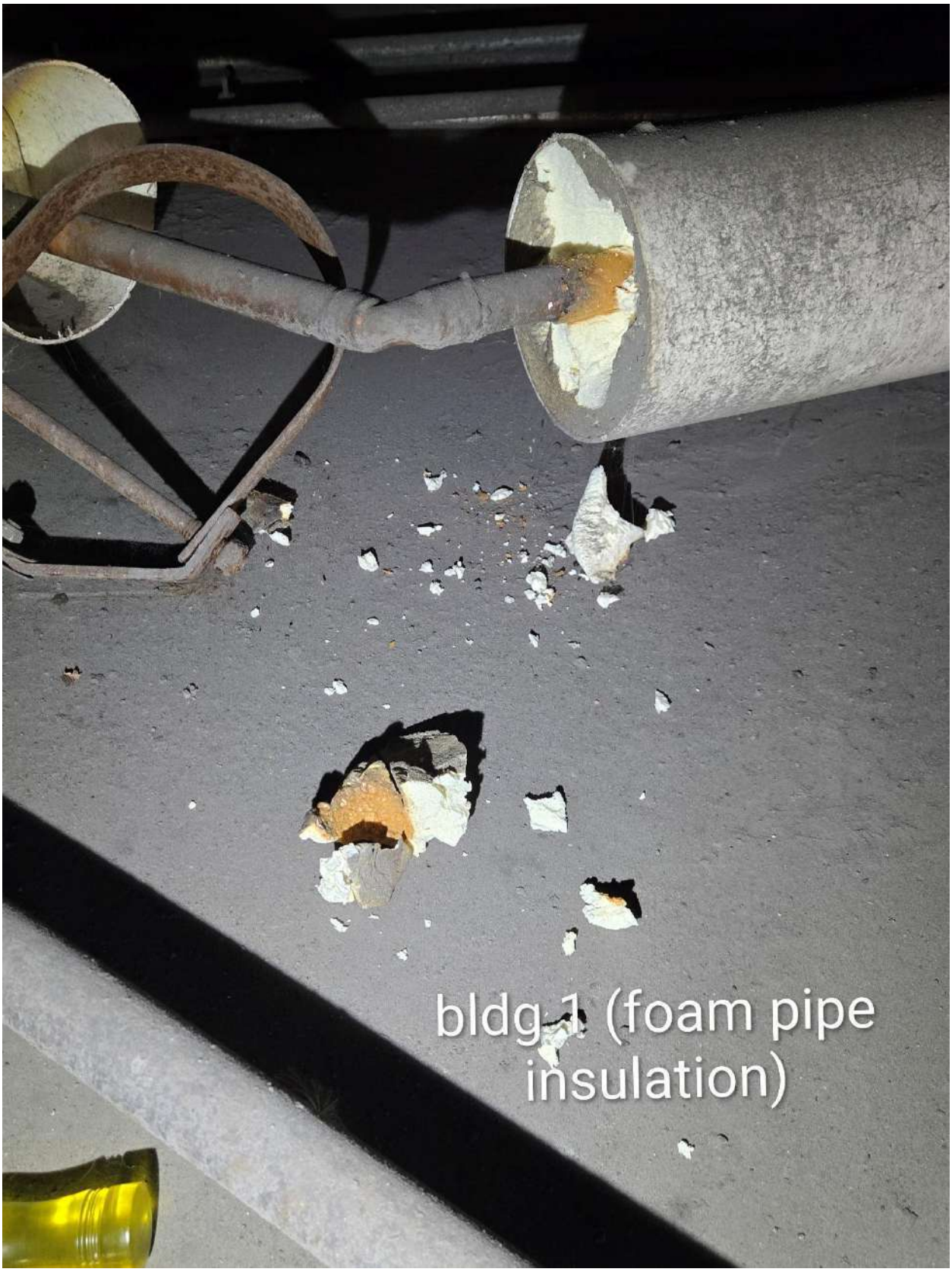

Exp Rep 2
Exterior Pavers


frog west lower roof (roof caulk)

Building 1 – Foundry



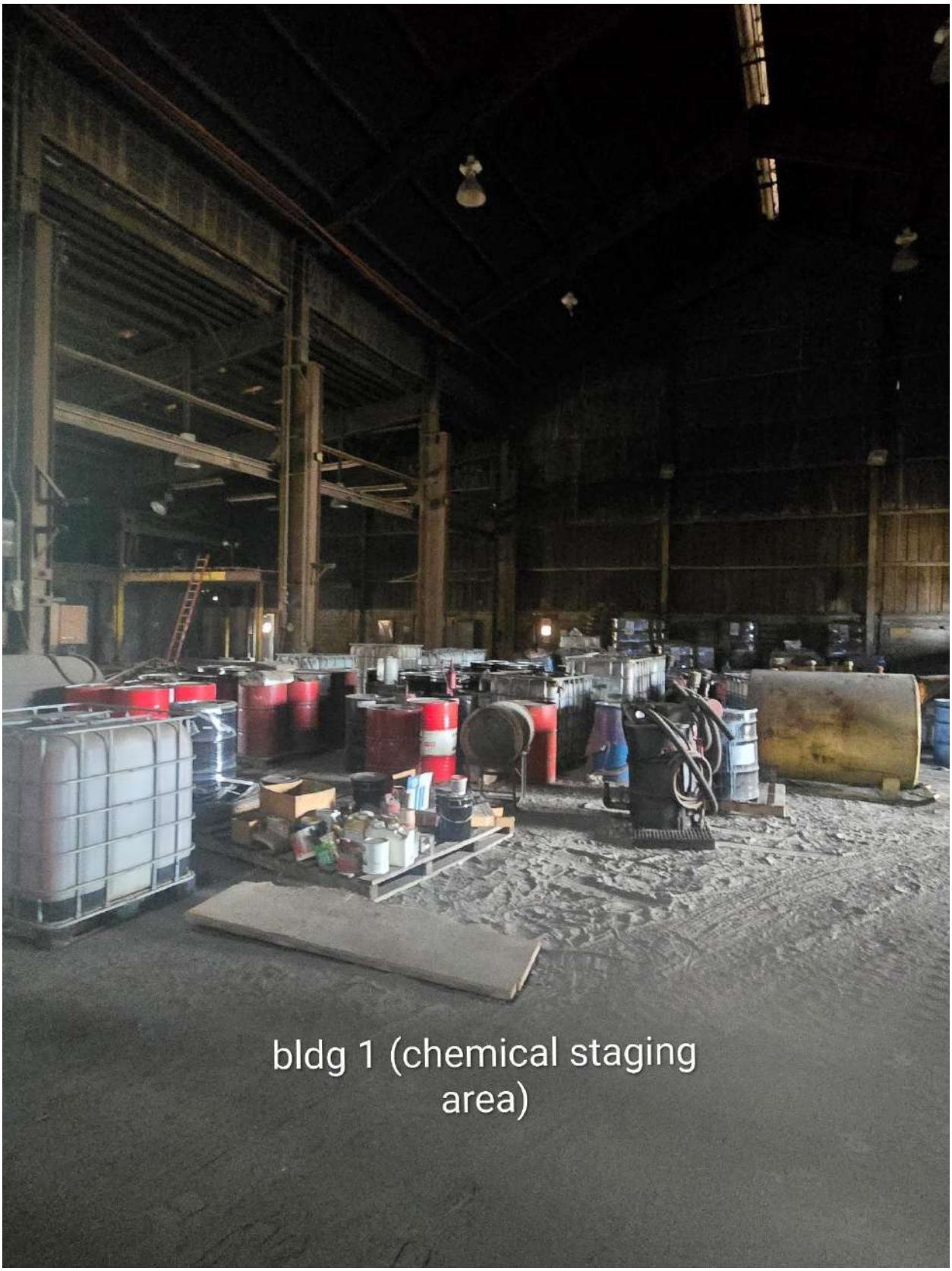

02A


bldg 1 (foam pipe insulation)


bldg 1(vibration cloth)


bldg 1(vibration cloth)


bldg 1 (roll down door)


bldg 1 (chemical staging
area)

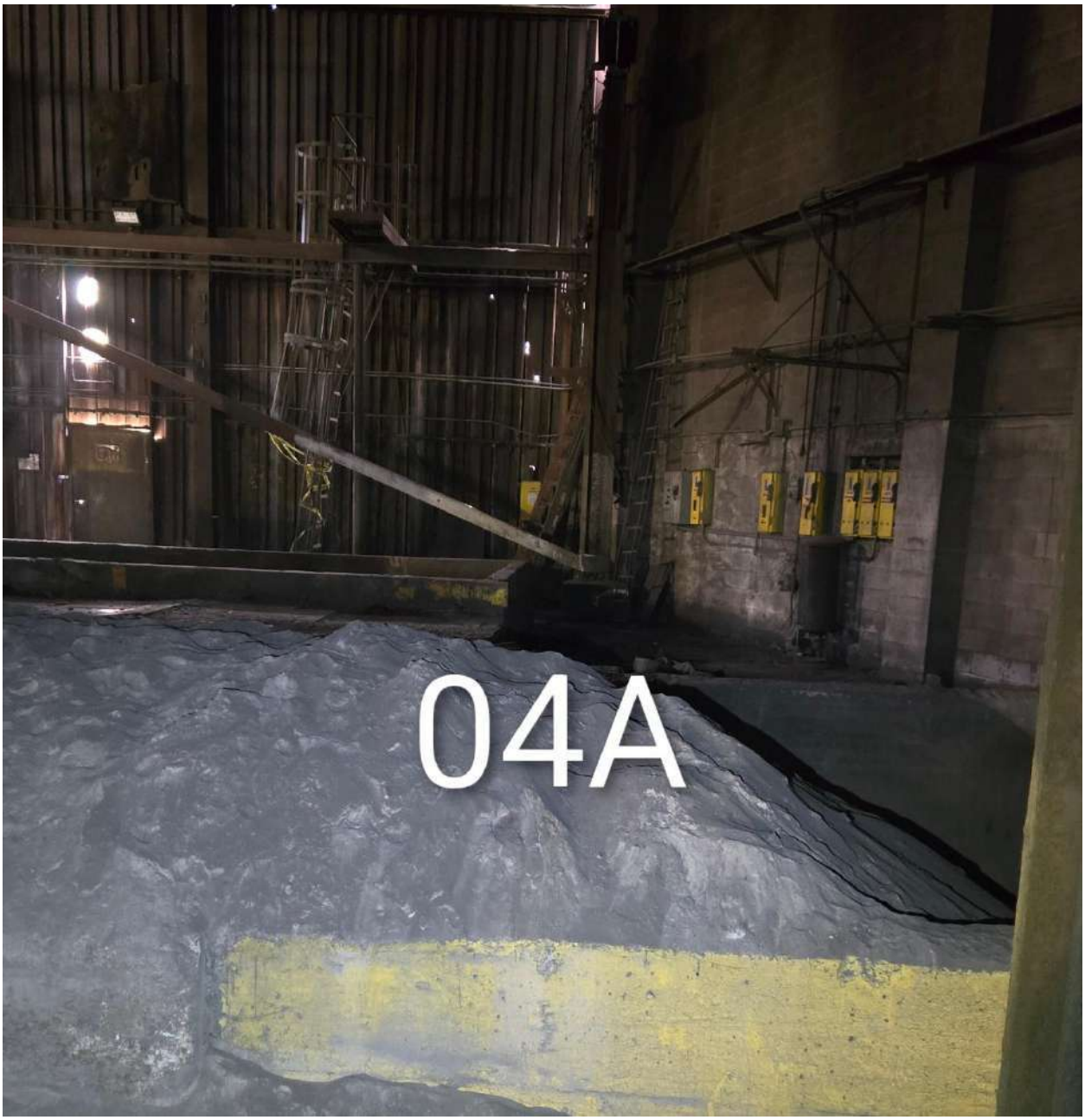

bldg 1 (12x12 FT / Glue)


bldg 1 (door caulk exterior)

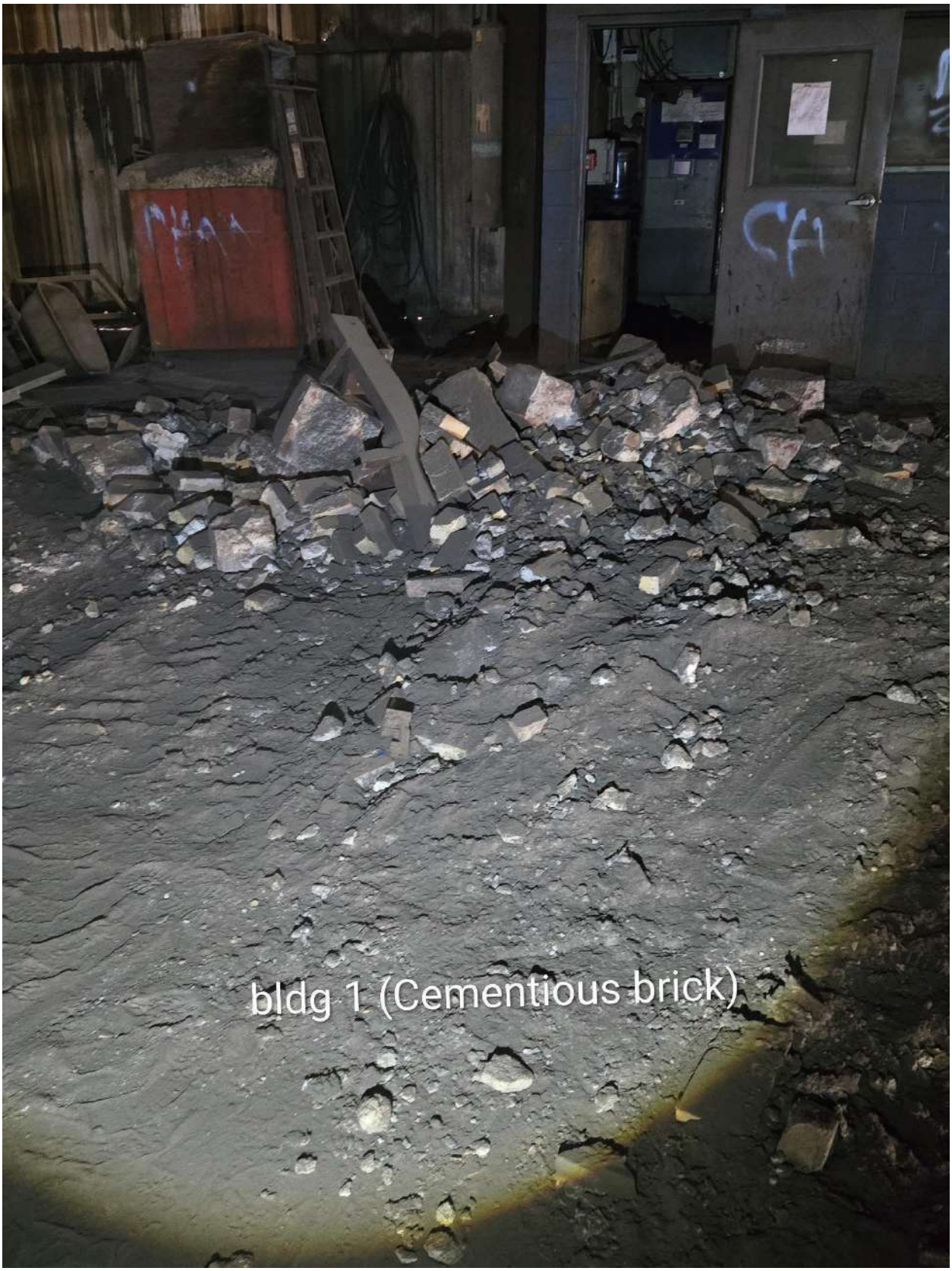

bldg 1 (caulk a/w column)


03A
bldg 1 debris (middle rear)


bldg 1 (cementious brick)

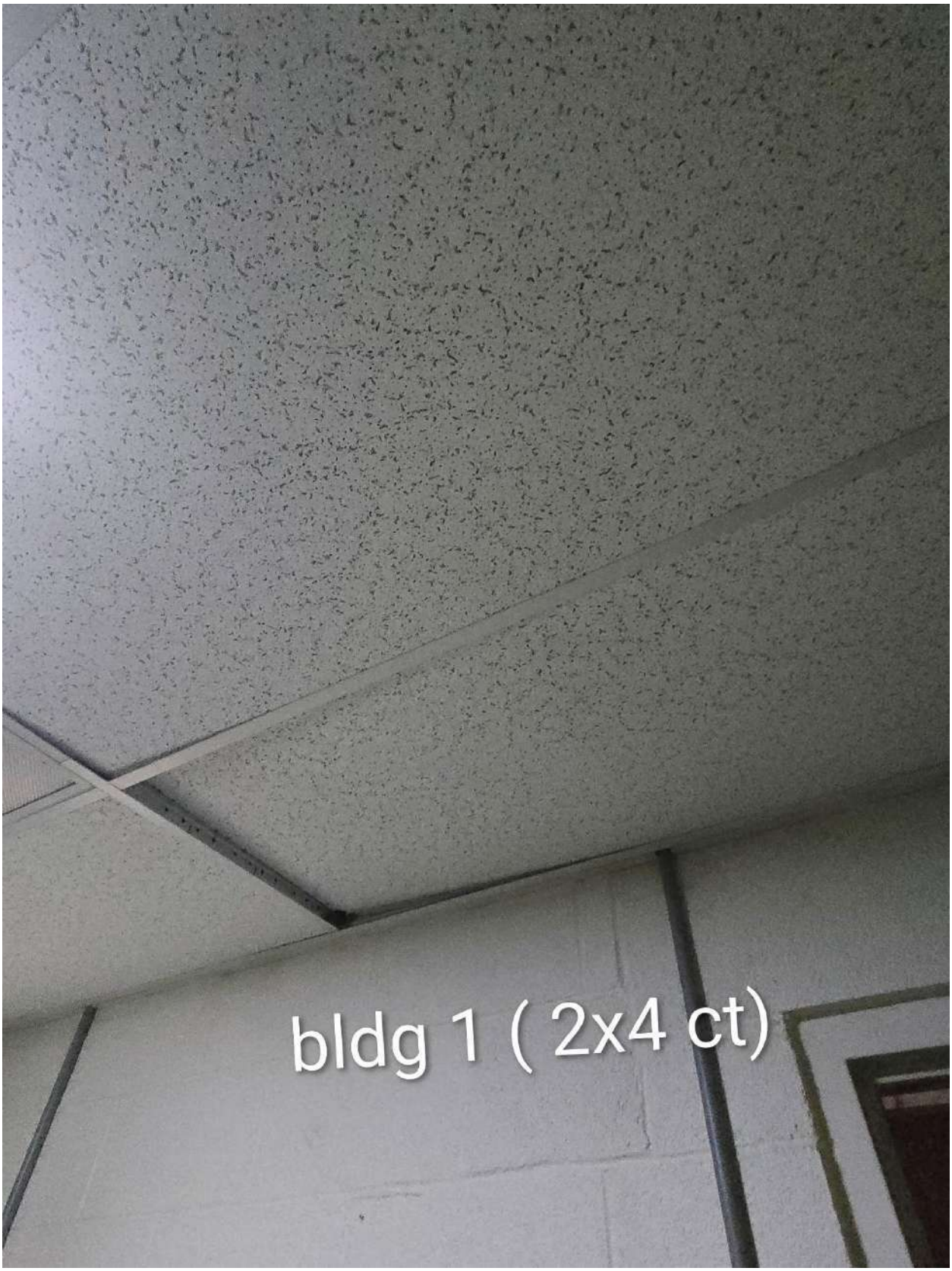

04A


05A
bldg 1 debris(front)


bldg 1 (Cementious brick)


bldg 1 (12x12 FT/ Mastic)


bldg 1 (door caulk)

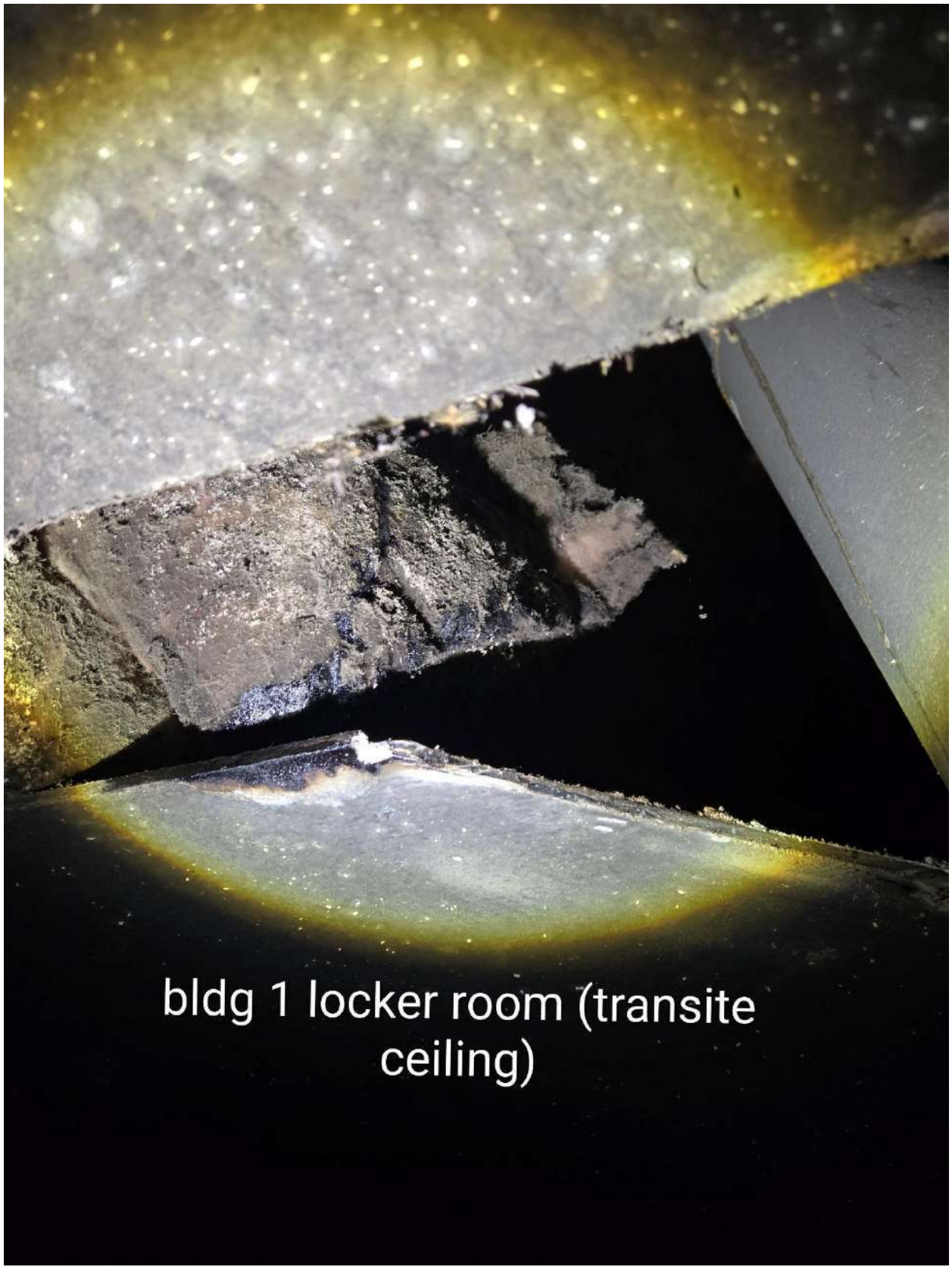

bldg 1 (2x4 ct)

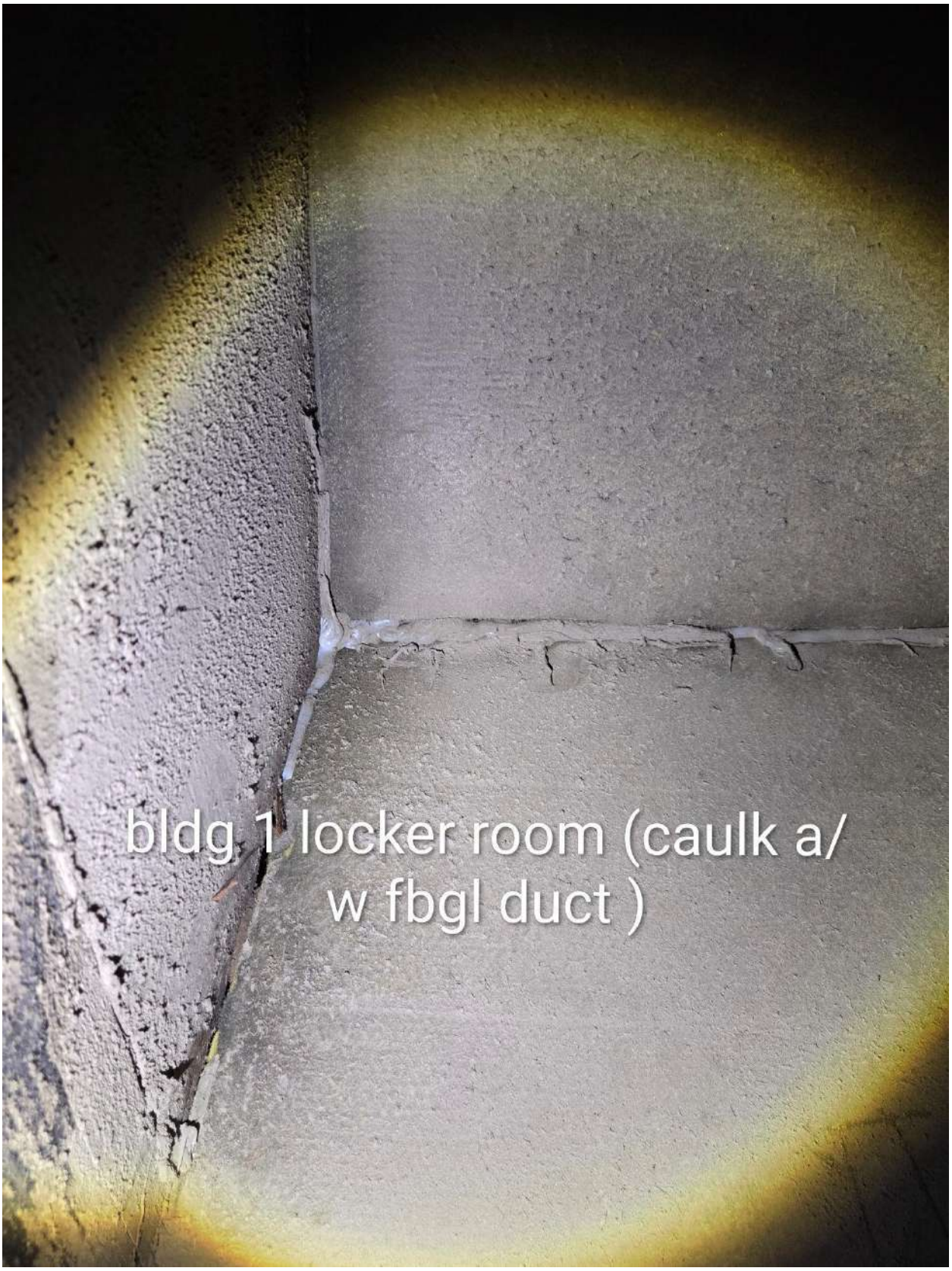

bldg 1 debris (silo) 01A

Building 1 – Foundry Locker Rooms

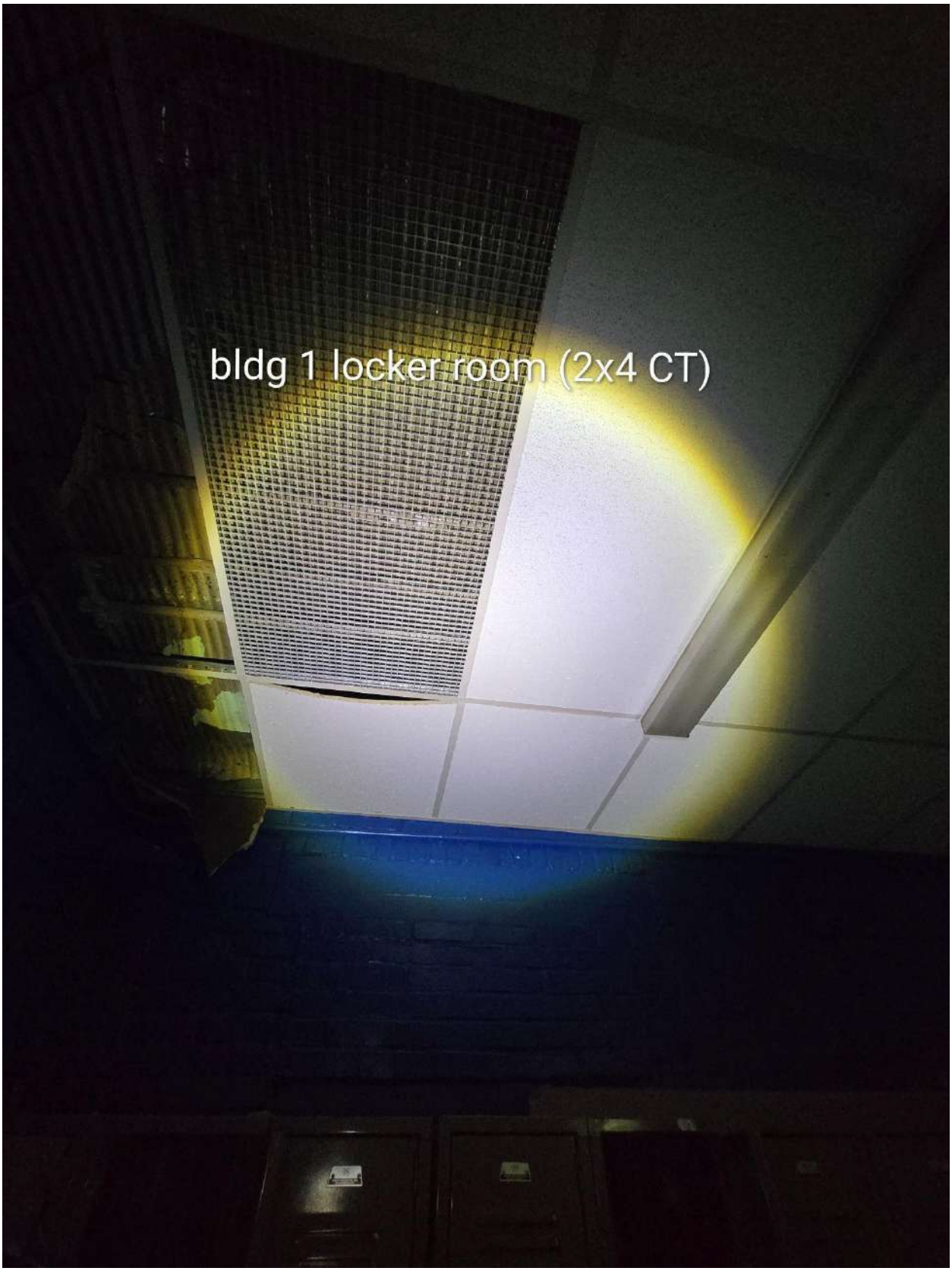


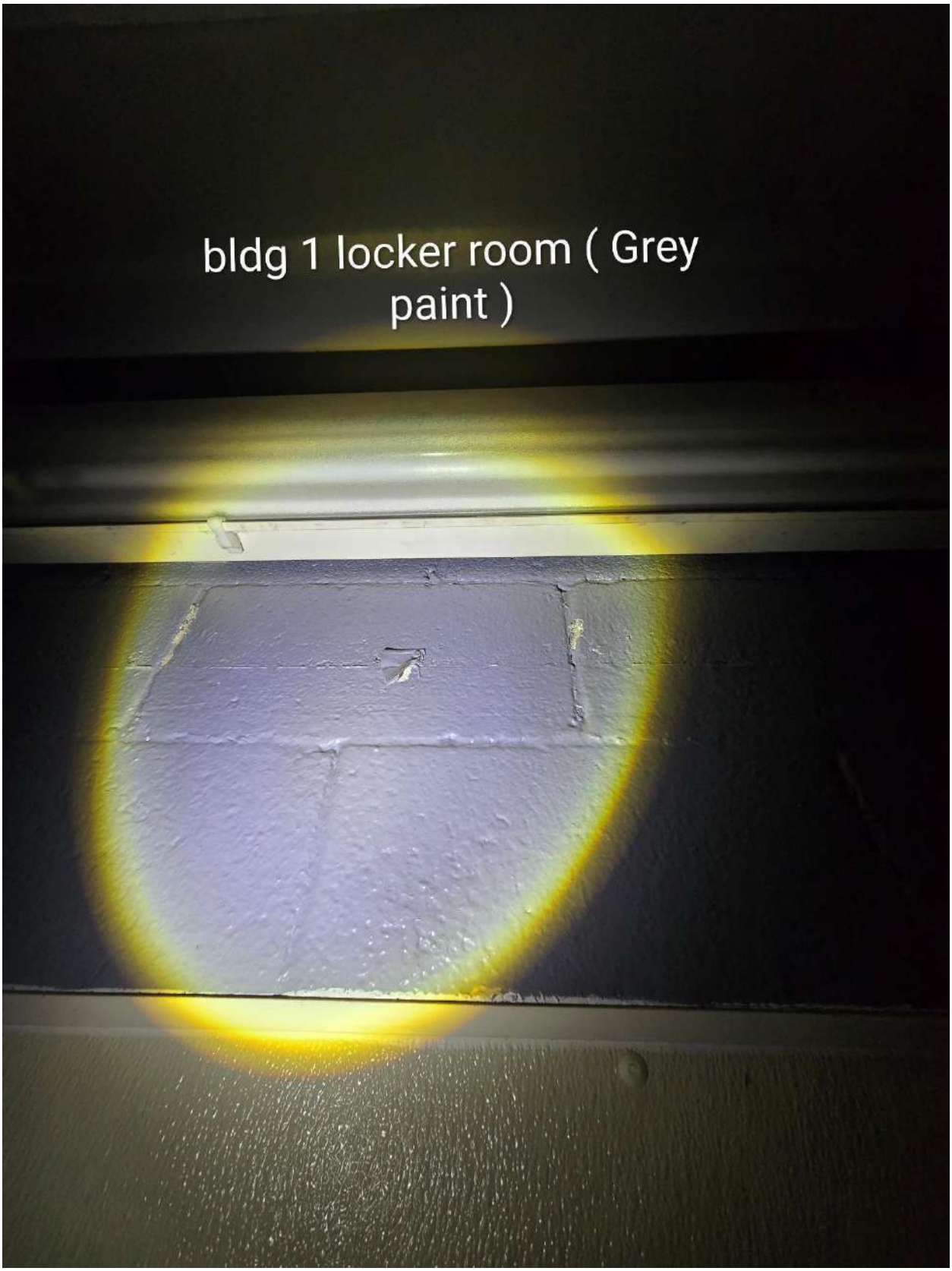
Identified as an asbestos-containing material.

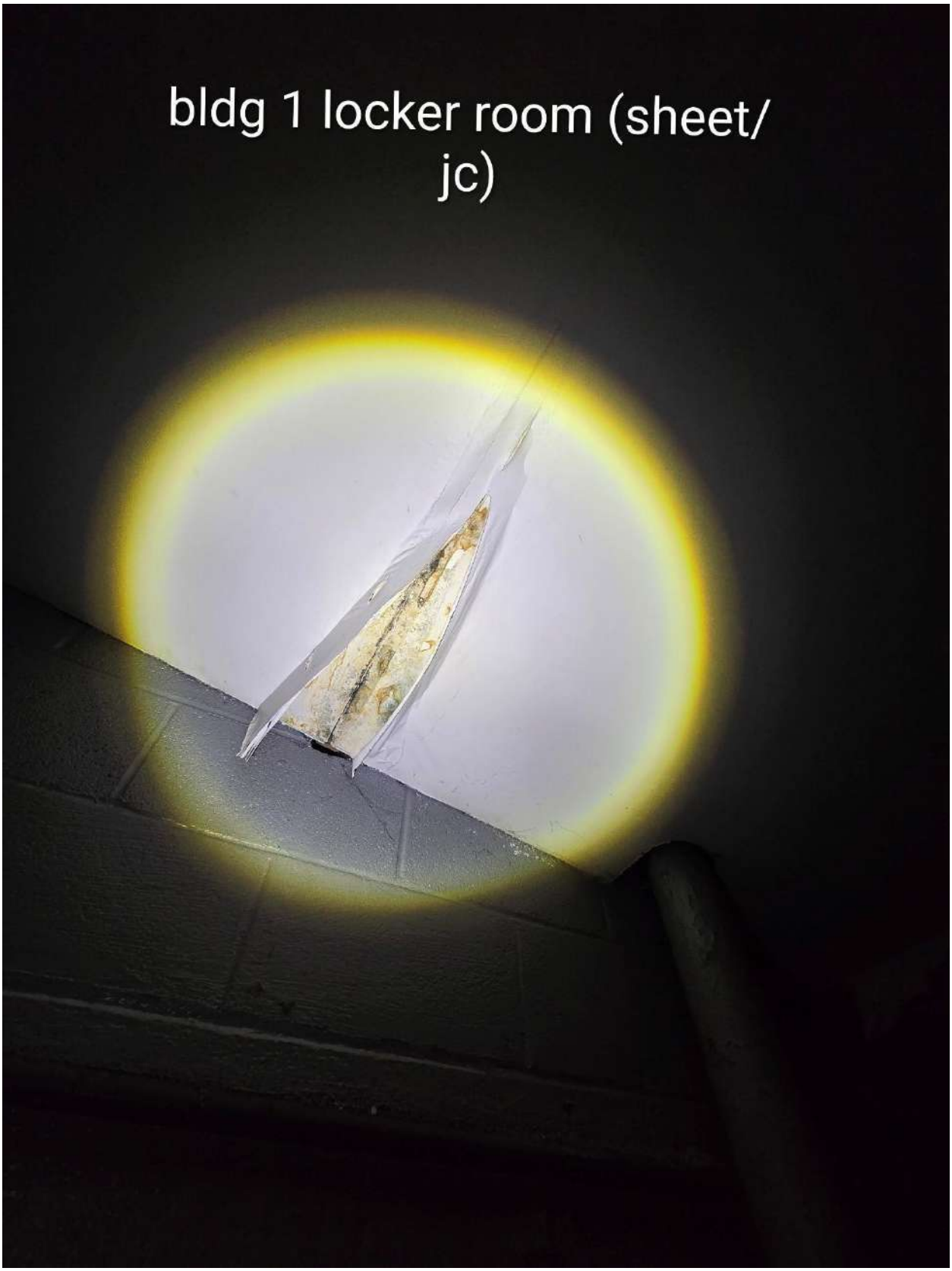



bldg 1 locker room (caulk a/
w fbgl duct)


bldg 1 locker room (paint a/
w corrugated ceiling)


bldg 1 locker room (2x4 CT)


bldg 1 locker room (Grey paint)

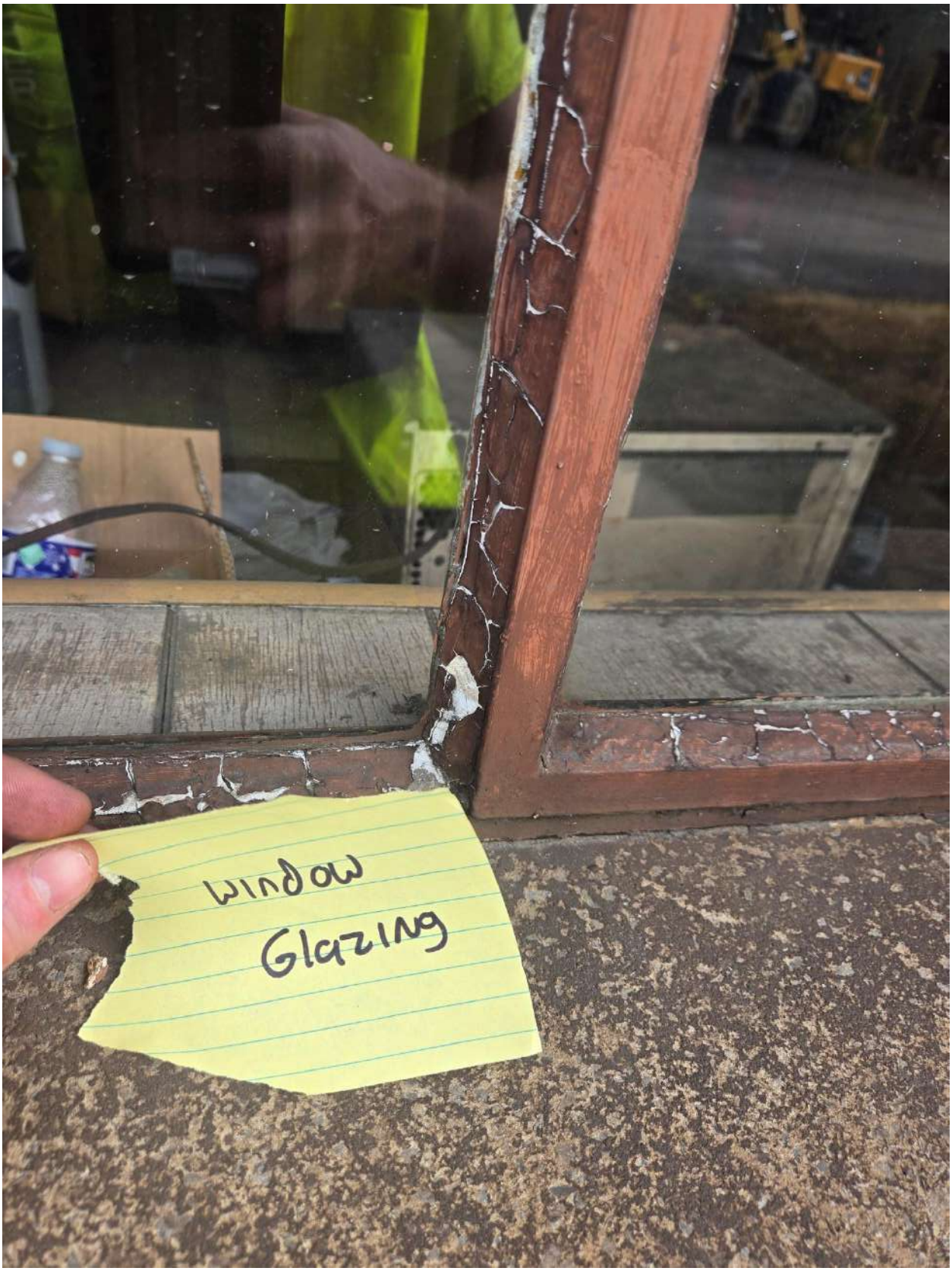

bldg 1 locker room (sheet/
jc)

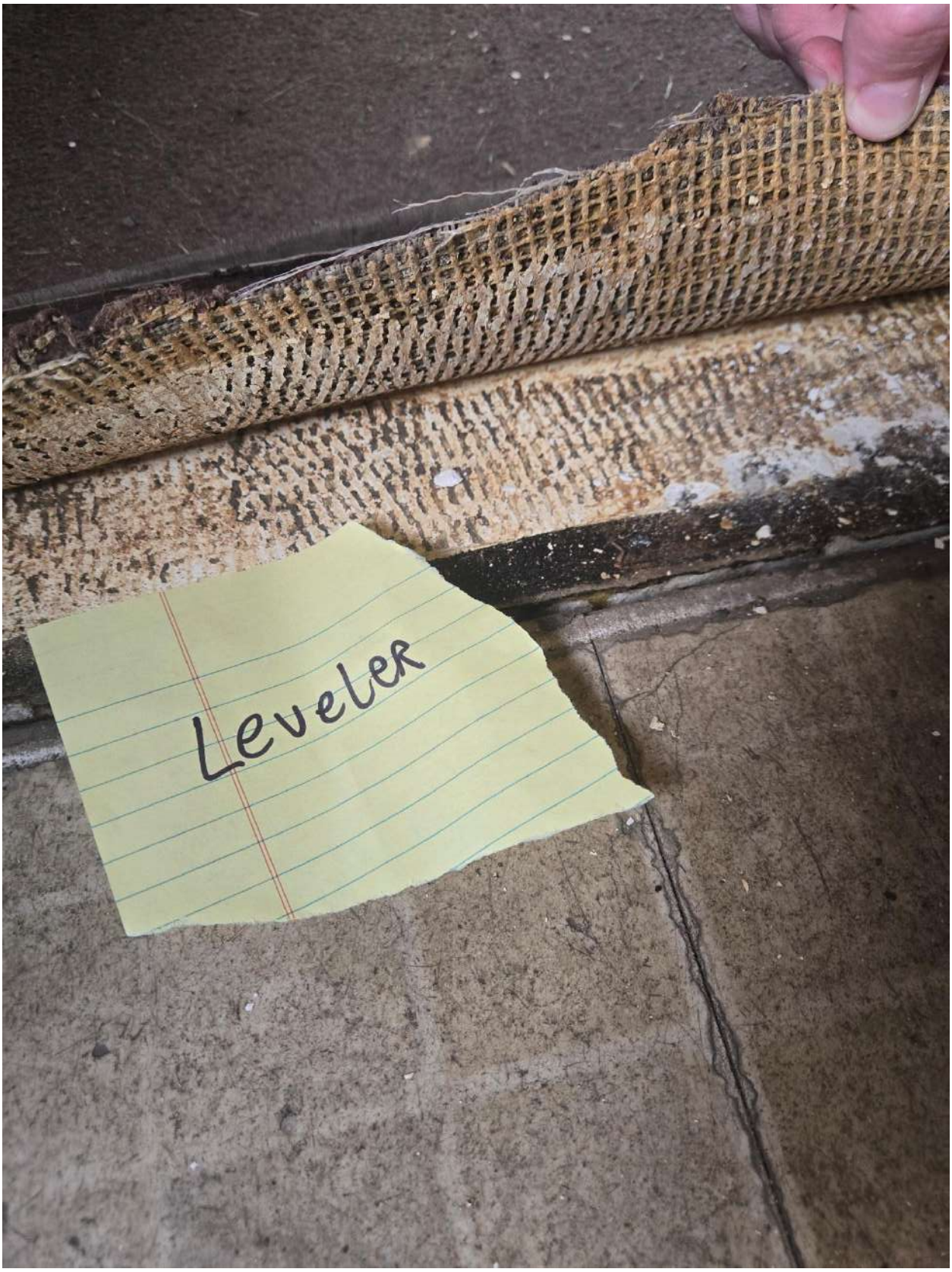

bldg 1 locker room (blue paint)

Building 13 – Break Room



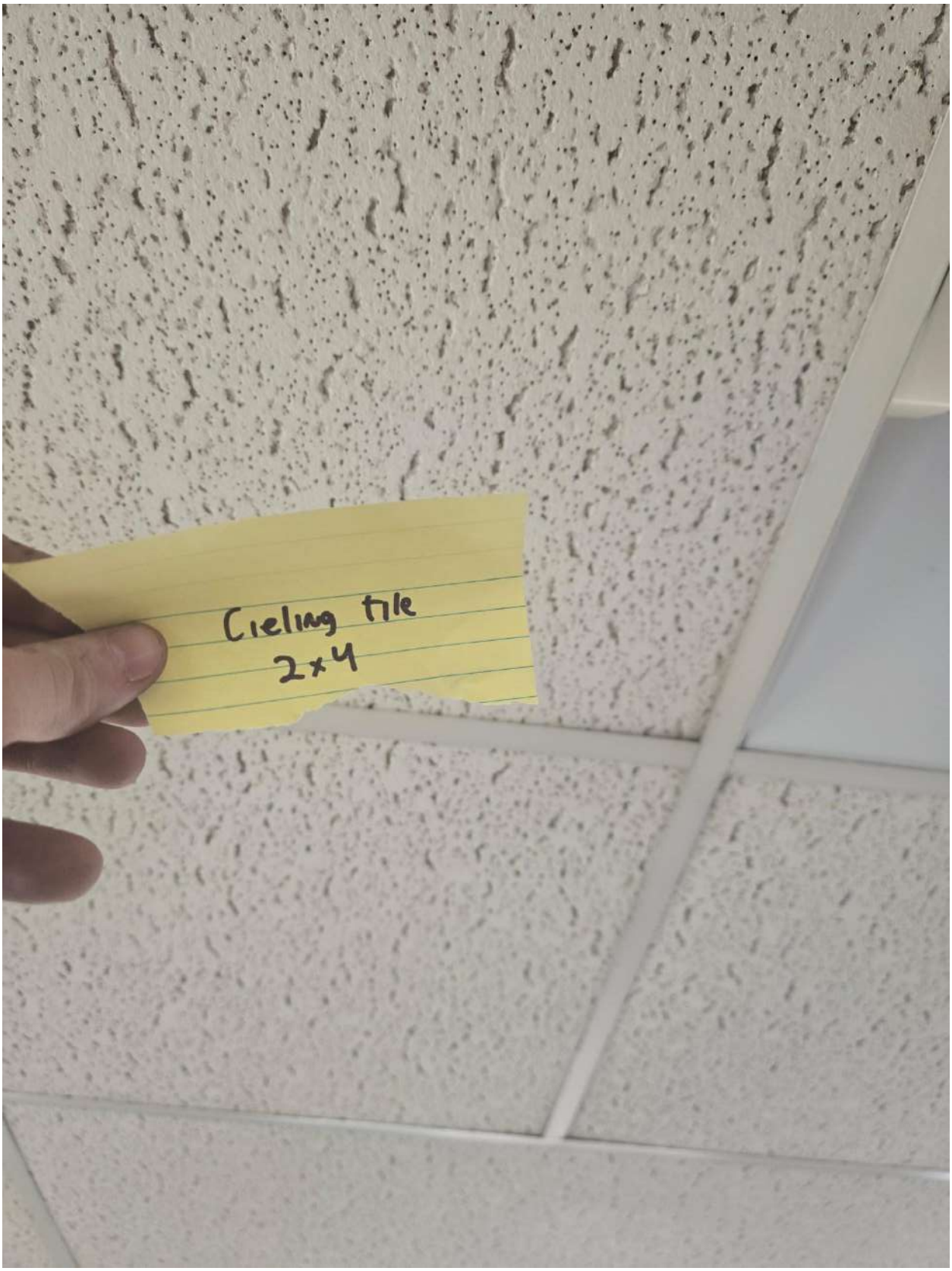

Caulk A/w DOOR


window
Glazing


Leveler


A/W

Glue A/W
carpet


Cieling tile
2x4


Floor Tile
(9x9 + 12x12 Beneath)

Building 20



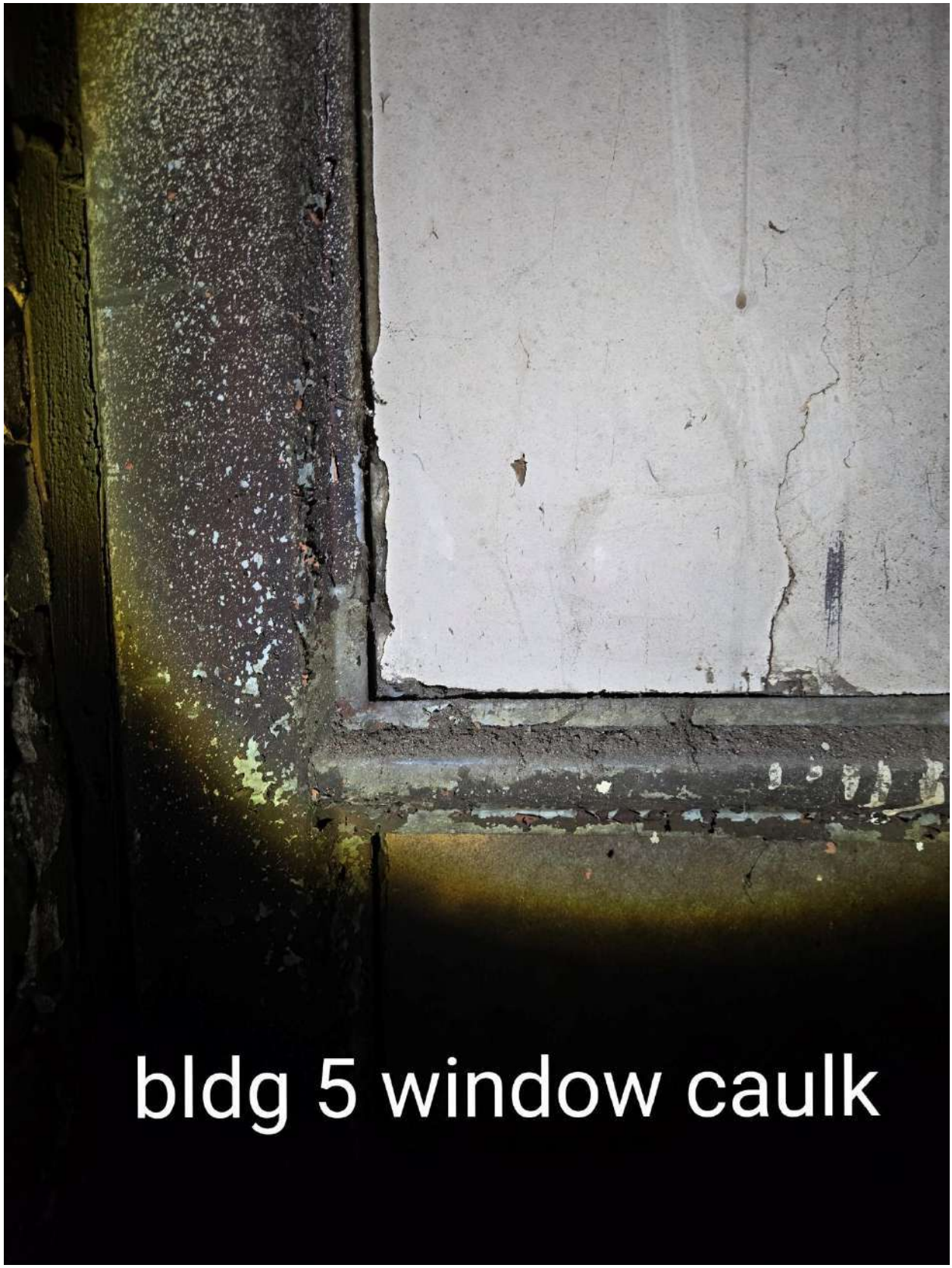
Identified as an asbestos-containing material.



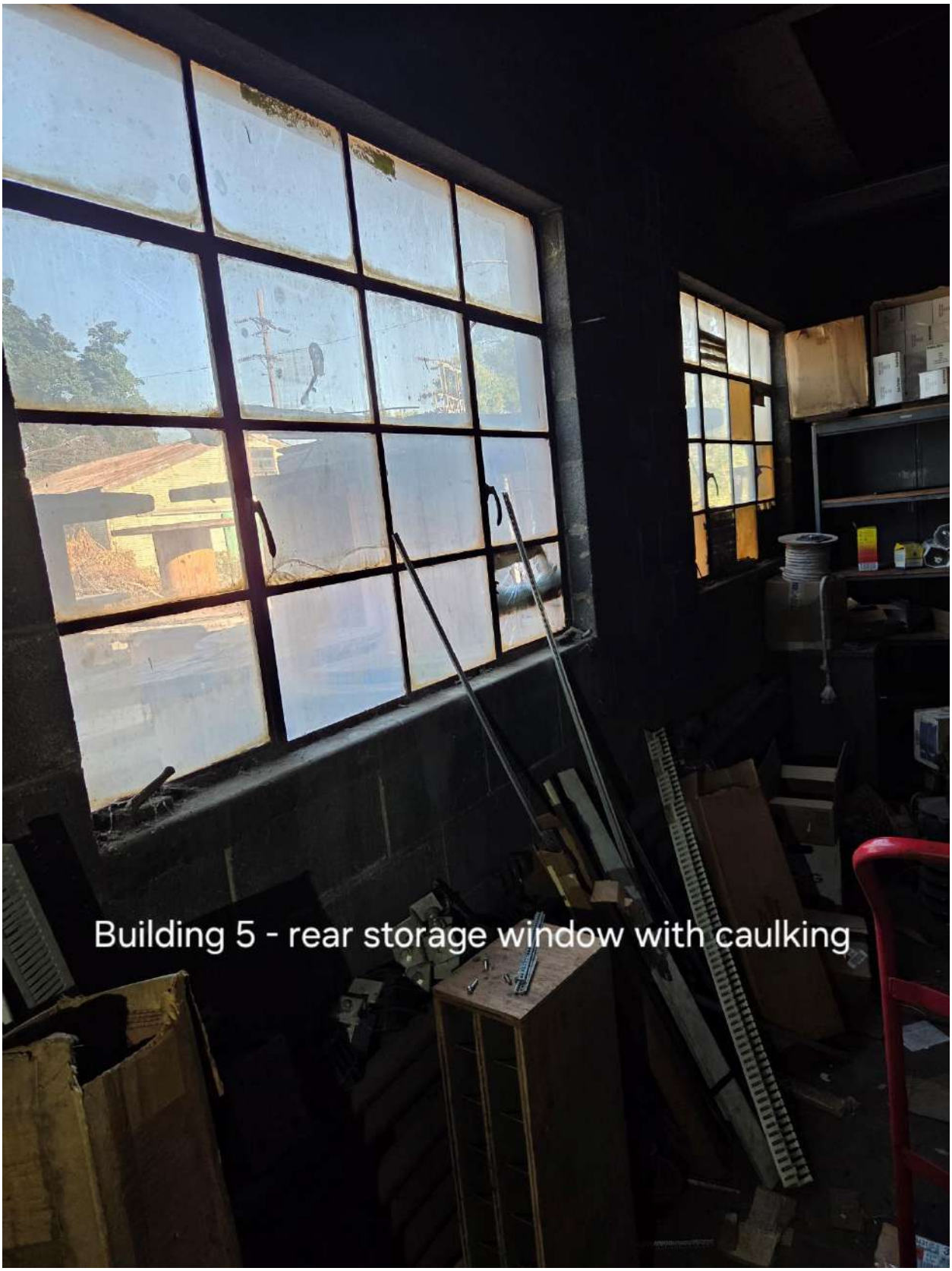
Building 5



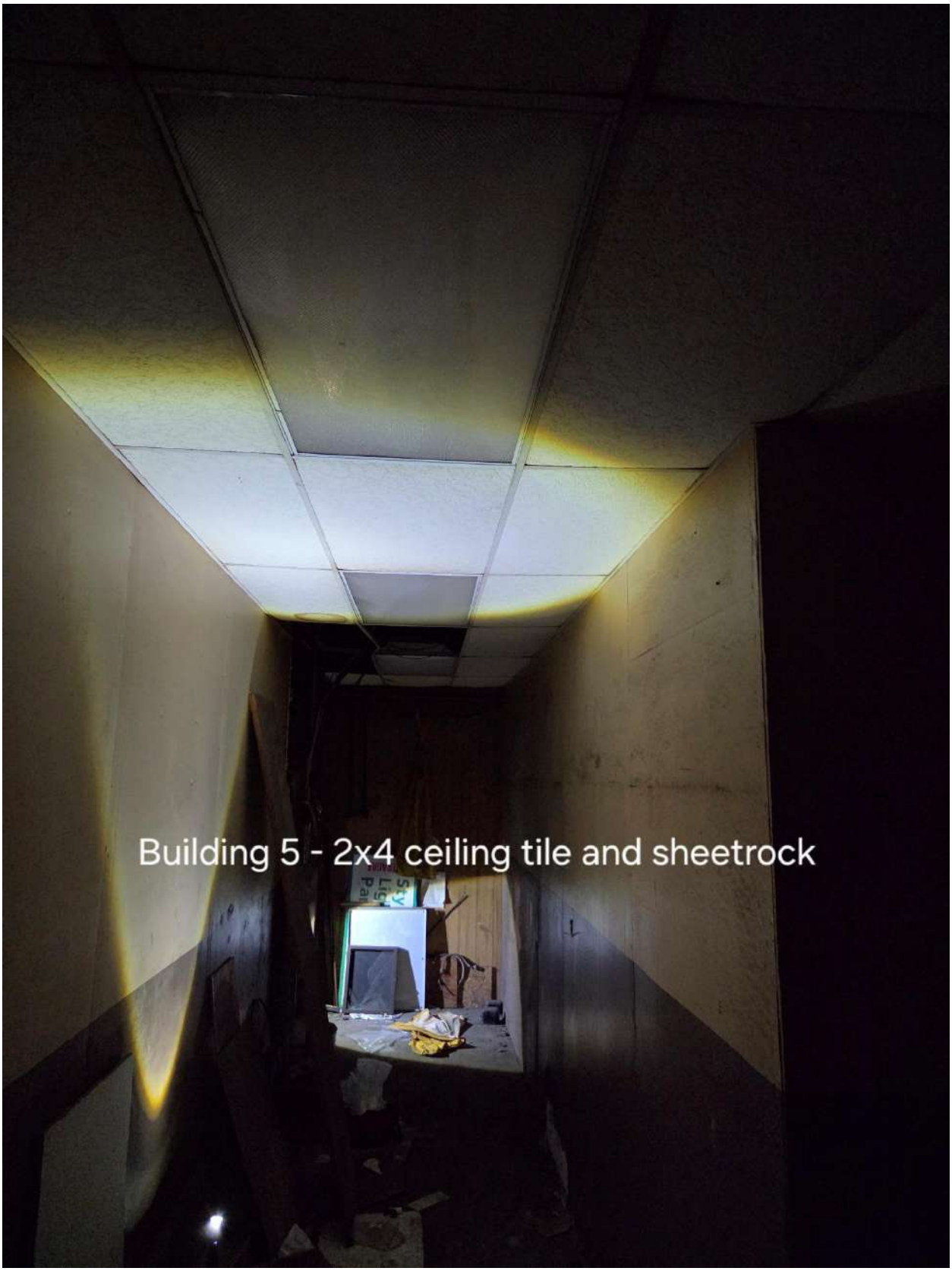
Identified as an asbestos-containing material.



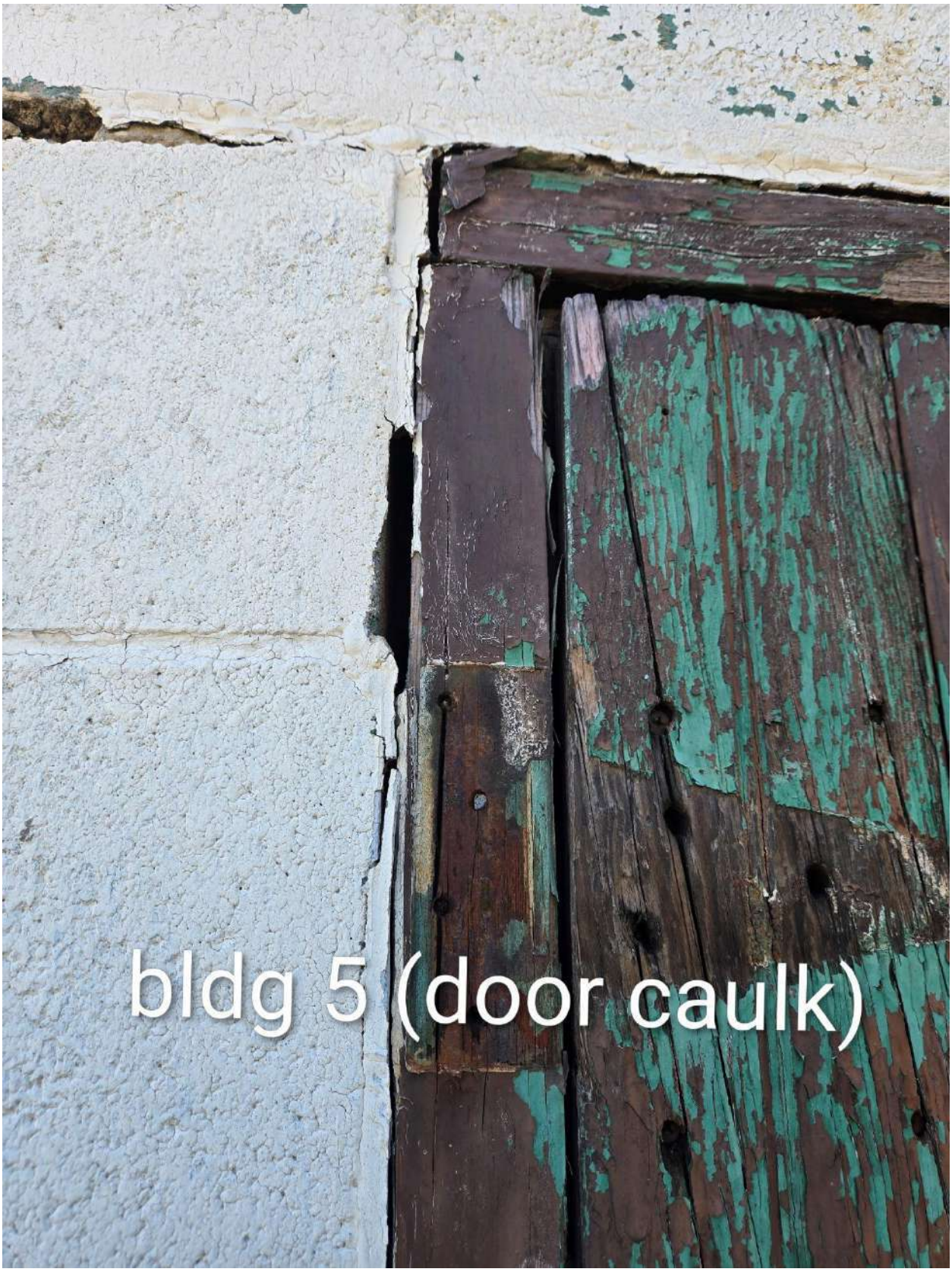

bldg 5(12x12 FT/ 9x9 FT &
Mastic)



Building 5 - rear storage window with caulking


Building 5 - 2x4 ceiling tile and sheetrock


bldg 5 (mortar a/w cmu)


bldg 5 (door caulk)

Pattern Shop – Building 24/27




pattern shop (12x12 FT a/w
mastic)


Pattern shop (2x4 CT)
EXIT


pattern shop (glue a/w cove base)

Building 18 (No Suspect Asbestos-Containing Materials Identified or Sampled)



Silo



Identified as an asbestos-containing material.



Silo - Tar Mastic