

Illinois Department of Transportation

# Asbestos Abatement Survey

**Work Order No.: 33**

**Job Order No.: R-91-016-20**

**Route: I-80**

**Parcel No.: 1P10139**

**603 Water Street**

**Joliet, Will County, Illinois 60436**

December 20, 2024

## Asbestos Abatement Survey

**Work Order No.: 33**

**Job Order No.: R-91-016-20**

**Route: I-80**

**Parcel No.: 1P10139**

**603 Water Street**

**Joliet, Will County, Illinois 60436**

**December 20, 2024**

**Prepared By:**


Arcadis U.S., Inc.  
225 West Wacker Drive  
Suite 2015  
Chicago, Illinois 60606  
Phone: 312 917 1000

**Prepared For:**

Illinois Department of Transportation  
2300 South Dirksen Parkway  
Springfield, IL 62764

**Our Ref:**

30227204




---

Aaron Yankee  
Scientist / Asbestos Inspector



---

Katherine Challberg  
Senior Environmental Engineer / QA/QC



---

Brendan J. Quealy  
Principal Environmental Engineer/Certified Project Manager

*This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.*

## Contents

<b>Acronyms and Abbreviations.....</b>	<b>ii</b>
<b>1 Introduction.....</b>	<b>1</b>
<b>2 Survey Methodology .....</b>	<b>1</b>
<b>3 Analytical Methods .....</b>	<b>2</b>
<b>4 Findings.....</b>	<b>2</b>
<b>5 Recommendations.....</b>	<b>2</b>
<b>7 Additional Survey Limitations .....</b>	<b>4</b>

## Tables

<b>Table 1</b>	<b>Asbestos Homogeneous Areas Summary</b>
----------------	---

## Figures

<b>Figures 1-3</b>	<b>Asbestos Bulk Sampling Locations</b>
<b>Figures 4-6</b>	<b>Asbestos-Containing Materials Locations</b>

## Appendices

<b>Appendix A</b>	<b>Limitations and Service Constraints</b>
<b>Appendix B</b>	<b>Accreditations - Inspector, Laboratory</b>
<b>Appendix C</b>	<b>Laboratory Reports – Asbestos</b>
<b>Appendix D</b>	<b>Photograph Log</b>

## Acronyms and Abbreviations

ACM	asbestos-containing material
AHERA	Asbestos Hazard Emergency Response Act
Arcadis	Arcadis U.S., Inc.
ASTM	ASTM International
CFR	Code of Federal Regulations
COC	chain of custody
DS	dispersion staining
HA	homogeneous area
IAC	Illinois Administrative Code
IDPH	Illinois Department of Public Health
IDOT	Illinois Department of Transportation
IEPA	Illinois Environmental Protection Agency
NESHAP	National Emissions Standards for Hazardous Air Pollutant
NIOSH	National Institute for Occupational Safety and Health
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PLM	polarized light microscopy
PPE	personal protective equipment
QA/QC	quality control/quality assurance
STAT	STAT Analysis Corporation of Chicago, Illinois
USEPA	United States Environmental Protection Agency



## 1 Introduction

Arcadis U.S., Inc. (Arcadis) conducted an asbestos abatement survey (survey) at Parcel No. 1P10139 located at 603 Water Street, Will County in Joliet, Illinois (Site) in accordance with Work Order No. 33 under the Prime Agreement for Consulting Services for PTB No. 202-043 between Illinois Department of Transportation (IDOT) and Arcadis. Arcadis' services and report are subject to the Limitations and Service Constraints provided in **Appendix A**.

The Site is improved with a one-story, residential building with a full basement, constructed in 1904, and covering approximately 1,195 square feet with a one-car detached garage and a detached shed.

The objective of the survey was to ascertain the general presence, quantity, and location of asbestos-containing materials (ACMs) at the site that may be impacted by the planned demolition and provide preliminary cost estimates for asbestos abatement that may be required prior to demolition activities.

The survey activities were conducted on November 26, 2024, by Aaron Yankee of Arcadis U.S., Inc. and Patrick Hook of A3 Environmental LLC. (A3E), an Arcadis sub-consultant. Copies of their accreditations are provided in **Appendix B**.

## 2 Survey Methodology

Arcadis conducted the asbestos survey in compliance with the United States Environmental Protection Agency (USEPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPs), applicable State of Illinois and local asbestos regulations. This was accomplished by conducting a visual inspection of the structures to be impacted by the planned demolition and collecting samples of suspect ACM based on these observations.

Arcadis conducted the asbestos survey in general accordance with ASTM International (ASTM) E2356 Standard Practice for Comprehensive Building Asbestos Surveys. ASTM E2356 meets the applicable asbestos survey and/or sampling requirements of current USEPA NESHAP Standard [40 Code of Federal Regulations (CFR) 61, Subpart M (Asbestos)], USEPA Asbestos Hazard Emergency Response Act (AHERA) [40 CFR 763, Subpart E], and Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard [29 CFR 1926.1101].

The survey included an inspection of the structures to be impacted by the planned demolition providing a general sense of the overall location, type, quantity, and condition of suspect ACMs present. The asbestos survey included a visual and physical assessment of each accessible space to locate suspect ACMs. Suspect materials were divided into "Homogeneous Areas" (HAs) (i.e., materials that were determined by the inspector to be homogeneous based on their color, texture, and assumed date of installation).

A representative number of samples were collected from each HA. Bulk material samples were collected in 4-milliliter plastic bags, and tightly sealed for transport to STAT Analysis Corporation (STAT) in Chicago, Illinois. Each sample collected by Arcadis was assigned its own unique coded number and sent for laboratory analysis under a chain-of-custody (COC) protocol.

The survey included destructive, intrusive, and/or exploratory testing unless specifically prohibited by IDOT. Destructive sampling is performed in order to identify materials which are hidden or obstructed. Hidden or obstructed areas include but are not limited to wall cavities, pipe chases, spaces above fixed ceilings, materials located under carpeting or subfloors, and ceramic tile grout/adhesive.

### 3 Analytical Methods

Asbestos bulk samples were analyzed for asbestos (reported in percent of type of asbestos) using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the USEPA Method 600/R-93/116. Percentage estimates of each material's composition are based on the analyst's best visual judgment following PLM/DS analysis, and examination with a stereoscope.

STAT is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP). A copy of their accreditation is provided in **Appendix B**. Laboratory analytical reports are provided in **Appendix C**.

### 4 Findings

Arcadis identified 35 HAs from which 113 samples were collected and analyzed. A listing of the identified HAs, including each HA material description, location, sample number, condition, asbestos content, and estimated quantity, are presented in Table 1. Approximate sampling locations are shown on Figures 1-3 and locations of identified ACM are shown on Figures 4-6.

The USEPA defines ACM as a material containing greater than 1% asbestos. Materials containing less than 1% asbestos are not regulated by the USEPA or the State of Illinois, but their disturbance is regulated by OSHA.

The following HAs have been confirmed to be ACM:

- HA-3: Gray Duct Wrap Insulation
- HA-13: Brown 9" x 9" Floor Tile (Under HA-12)
- HA-17: Yellow Mastic associated with HA-13
- HA-35: White Window Glazing

The remaining bulk samples collected by Arcadis as part of the survey were reported by the laboratory to be ND = Asbestos Not Detected (Not Present).

No HAs were identified as assumed ACM.

Representative photographs are provided in **Appendix D**.

### 5 Recommendations

ACMs identified at the site that may be disturbed during demolition activities, must be removed by a licensed asbestos abatement contractor utilizing industry standard work procedures in accordance with all federal, state, and local regulations governing asbestos.

If other suspect materials not referenced in this survey report are identified during demolition activities, we recommend these materials be assumed ACM until the materials are inspected by a licensed asbestos inspector, sampled, and submitted for laboratory analysis.

## 7 Additional Survey Limitations

Arcadis' survey is subject to the following survey limitations.

- The investigation did not include access or inspection of confined spaces, underground piping, conduits, and building footings, if any.
- If other suspect materials, not referenced in this survey report, are identified during renovation or demolition activities, Arcadis recommends that these materials be considered regulated until they are inspected by an appropriately certified inspector and proven otherwise.
- Utilities/services, including electric, water, and heat, were active in most areas surveyed. Materials associated with electrical components and energized equipment were not safely accessible and were not sampled.

# Table

Table 1. Asbestos Homogeneous Areas Summary  
 IDOT - Asbestos Abatement Survey  
 WO # 33  
 603 Water Street, Joliet, Illinois



HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
1	Gray Plaster Skimcoat	Walls and Ceilings Throughout	1A, 1B, 1C, 1D, 1E, 1F, 1G	Good	Friable	NAD	5,250	SF	
2	Gray Plaster Basecoat	Walls and Ceilings Throughout	2A, 2B, 2C, 2D, 2E, 2F, 2G	Good	Friable	NAD	5,250	SF	
3	Gray Duct Wrap Insulation	Basement	3A, 3B, 3C	Good	Friable	15% - 20% Chrysotile	30	SF	
4	White 2' x 4' Acoustical Ceiling Tiles (Smooth Wavy Texture)	1st Floor Dining Room	4A, 4B, 4C	Good	Friable	NAD	144	SF	
5	White 2' x 4' Acoustical Ceiling Tiles (Pin Holes)	1st Floor Bedroom 2	5A, 5B, 5C	Good	Friable	NAD	132	SF	
6	White 2' x 4' Acoustical Ceiling Tiles (Smooth Texture)	1st Floor Kitchen	6A, 6B, 6C	Good	Friable	NAD	144	SF	
7	White 2' x 2' Acoustical Ceiling Tiles (Pin Holes)	1st Floor Bathroom	7A, 7B, 7C	Good	Friable	NAD	48	SF	
8	White Textured Ceiling Paint	1st Floor Living Room, Bedroom 1	8A, 8B, 8C	Good	Friable	NAD	264	SF	
9	Self-Adhesive 12" x 12" Blue with White Diamonds Floor Tile	1st Floor Living Room, Bedroom 1	9A, 9B, 9C	Good	Non-Friable	NAD	132	SF	
10	Self-Adhesive 12" x 12" Brown Wood Pattern Floor Tile	1st Floor Bedroom 2	10A, 10B, 10C	Good	Non-Friable	NAD	9	SF	
11	Self-Adhesive 12" x 12" White with Black Stars Floor Tile	1st Floor Kitchen	11A, 11B, 11C	Good	Non-Friable	NAD	144	SF	
12	Yellow Linoleum with Octagonal Pattern and Beige Paper Backing	1st Floor Kitchen (Under HA-11)	12A, 12B, 12C	Good	Non-Friable	NAD	144	SF	
13	9" x 9" Brown Mottled Floor Tile	1st Floor Kitchen (Under HA-12)	13A, 13B, 13C	Good	Non-Friable	1% - 5% Chrysotile	144	SF	
14	White Linoleum with Black, Gray and Red Specks and Black Paper Backing	1st Floor Kitchen (Under HA-13)	14A, 14B, 14C	Good	Non-Friable	NAD	144	SF	
15	Brown Linoleum with Red and Black Specks and Brown Paper Backing	1st Floor Kitchen (Under HA-14)	15A, 15B, 15C	Good	Non-Friable	NAD	144	SF	

Table 1. Asbestos Homogeneous Areas Summary

Table 1. Asbestos Homogeneous Areas Summary  
 IDOT - Asbestos Abatement Survey  
 WO # 33  
 603 Water Street, Joliet, Illinois



HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
16	Beige Linoleum with Brick Pattern and Tan Paper Backing	1st Floor Bathroom	16A, 16B, 16C	Good	Non-Friable	NAD	48	SF	
17	Yellow Mastic associated with HA-13	1st Floor Kitchen	17A, 17B, 17C	Good	Non-Friable	1% - 5% Chrysotile	144	SF	
18	White Gypsum Board	Basement Bedroom 4	18A, 18B, 18C	Good	Non-Friable	NAD	220	SF	
19	White Drywall Tape associated with HA-18	Basement Bedroom 4	19A, 19B, 19C	Good	Non-Friable	NAD	220	SF	
20	White Joint Compound associated with HA-18	Basement Bedroom 4	20A, 20B, 20C	Good	Friable	NAD	220	SF	
21	Gray Chimney Brick Mortar	Basement	21A, 21B, 21C	Good	Non-Friable	NAD	100	SF	
22	White Chimney Flue Mortar (Patch)	Basement	22A, 22B, 22C	Good	Non-Friable	NAD	2	SF	
23	Dark Gray Chimney Flue Mortar	Basement	23A, 23B, 23C	Good	Non-Friable	NAD	3	SF	
24	Gray Concrete Foundation	Basement	24A, 24B, 24C	Good	Non-Friable	NAD	1,200	SF	
25	Gray Exterior Brick Mortar	Exterior	25A, 25B, 25C	Good	Non-Friable	NAD	800	SF	
26	White/Black Roofing Shingles	Exterior	26A, 26B, 26C	Good	Non-Friable	NAD	1,400	SF	
27	Black Roofing Paper	Exterior	27A, 27B, 27C	Good	Non-Friable	NAD	1,400	SF	
28	Brown Wood Fiber Board	Exterior behind Aluminum Siding	28A, 28B, 28C	Good	Friable	NAD	300	SF	
29	Red/Black Asphalt Siding with Fiber Board Backing	Exterior (Under HA-28)	29A, 29B, 29C	Good	Non-Friable	NAD	300	SF	
30	Light Brown Paper with Dark Brown Backing	Exterior (Under HA-29)	30A, 30B, 30C	Good	Non-Friable	NAD	300	SF	
31	Exterior Foundation CMU Mortar	Exterior	31A, 31B, 31C	Good	Non-Friable	NAD	840	SF	

Table 1. Asbestos Homogeneous Areas Summary

Table 1. Asbestos Homogeneous Areas Summary  
 IDOT - Asbestos Abatement Survey  
 WO # 33  
 603 Water Street, Joliet, Illinois



HA No.	Material Description	Material Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
32	Black and Green Exterior Roofing Shingles	Shed	32A, 32B, 32C	Good	Non-Friable	NAD	120	SF	
33	Black Roofing Shingle	Garage	33A, 33B, 33C	Good	Non-Friable	NAD	350	SF	
34	Black Roofing Paper	Garage	34A, 34B, 34C	Good	Non-Friable	NAD	350	SF	
35	White Window Glazing	1st Floor Living Room, Attic	35A, 35B, 35C	Good	Non-Friable	1% - 5% Chrysotile	60	LF	3 Windows

**Notes:**

ACM = Asbestos-Containing Material

Assumed ACM = A material determined by the inspector to be suspect ACM and is considered asbestos-containing until laboratory analysis can prove otherwise.

NAD = No Asbestos Detected

EA = Each

LF = Linear Foot

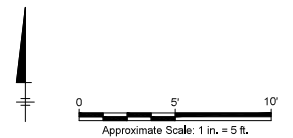
SF = Square Foot

# Figures



● ASBESTOS SAMPLE

**NOTE**  
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



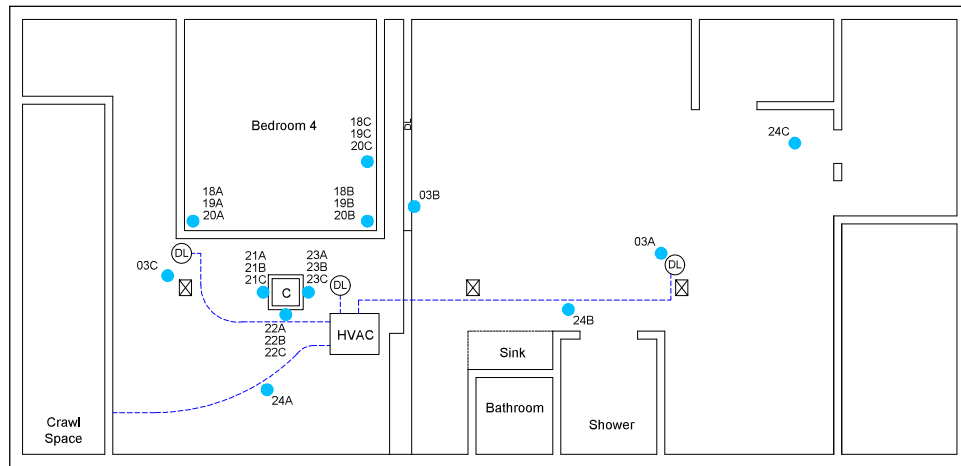
30227204.01 - IDOT / Asbestos Surveys WO #33  
Job No. R-91-016-20  
Route I-80 Parcel 1P10139  
603 Water Street  
Joliet, Will County, Illinois  
**ASBESTOS ABATEMENT SURVEY**

### SAMPLING LOCATIONS - FIRST FLOOR



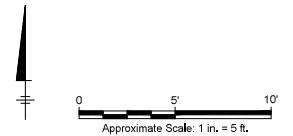
FIGURE


30227204-01 - IDOT / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route 1-80 Parcel TP10139  
653 Water Street  
Joliet, VIII County, Illinois  
ASBESTOS ABATEMENT SURVEY  
30227204-01 - IDOT / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route 1-80 Parcel TP10139  
653 Water Street  
Joliet, VIII County, Illinois  
ASBESTOS ABATEMENT SURVEY  
30227204-01 - IDOT / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route 1-80 Parcel TP10139  
653 Water Street  
Joliet, VIII County, Illinois  
ASBESTOS ABATEMENT SURVEY



**LEGEND**  
● ASBESTOS SAMPLE  
--- DUCTING

**NOTE**  
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



30227204-01 - IDOT / Asbestos Surveys WYO #33 Job No. 85-01-016-20 Route 1-80 Parcel TP10139 653 Water Street Joliet, VIII County, Illinois ASBESTOS ABATEMENT SURVEY	
<b>SAMPLING LOCATIONS - BASEMENT</b>	
	FIGURE <b>2</b>

● ASBESTOS SAMPLE

BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



0 8' 16'

Approximate Scale: 1 in. = 8 ft.

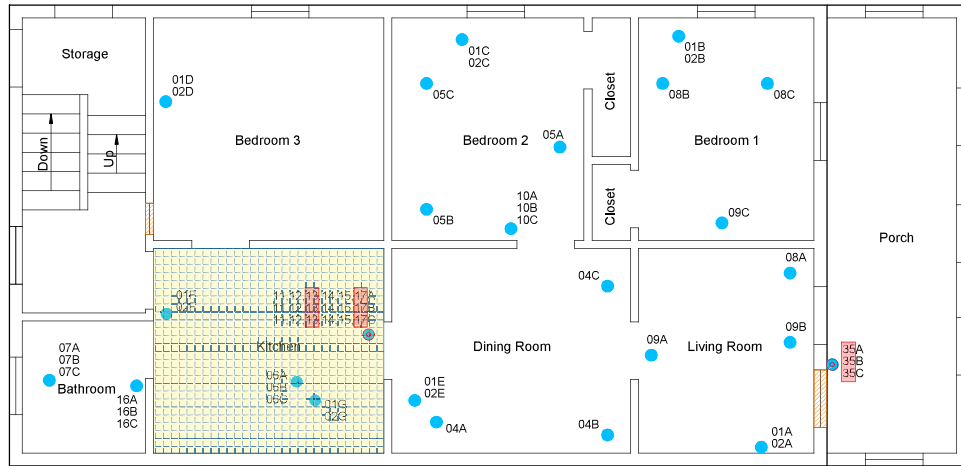
30227204.01 - IDOT / Asbestos Surveys W/O #33  
Job No. R-91-016-20  
Route I-80 Parcel 1P10139  
603 Water Street  
Joliet, Will County, Illinois  
**ASBESTOS ABATEMENT SURVEY**

### SAMPLING LOCATIONS - EXTERIOR

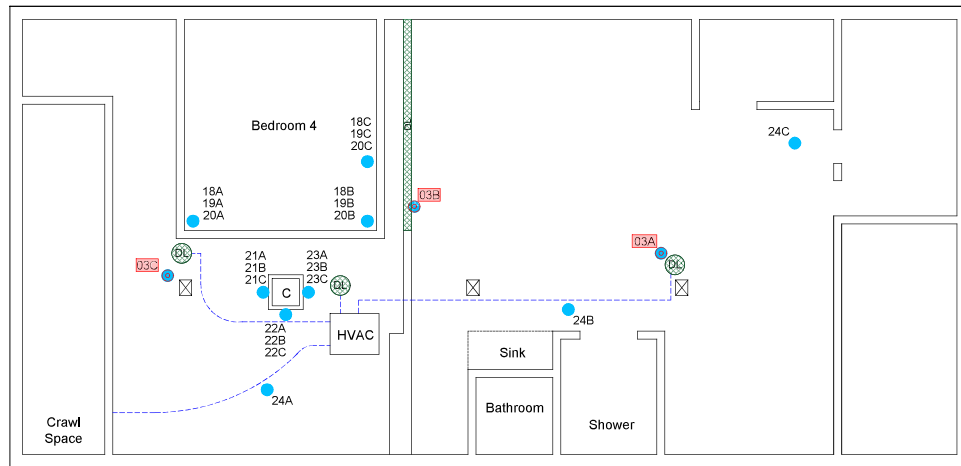


FIGURE  
3

30227204-01-1001 / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route 1-80 Parcel TP10139  
603 Water Street  
Joliet, VIII County Illinois  
ASBESTOS ABATEMENT SURVEY  
ASBESTOS CONTAINING MATERIAL LOCATIONS - FIRST FLOOR  
FIGURE 4  
30227204-01-1001 / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route 1-80 Parcel TP10139  
603 Water Street  
Joliet, VIII County Illinois  
ASBESTOS ABATEMENT SURVEY  
ASBESTOS CONTAINING MATERIAL LOCATIONS - FIRST FLOOR  
FIGURE 4

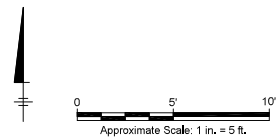


30227204-01 - IDOT / Asbestos Surveys WYO #33  
Job No. 25-01-016-20  
Route 1-80 Parcel TP10139  
603 Water Street  
Joliet, VIII County, Illinois  
ASBESTOS ABATEMENT SURVEY  
ASBESTOS CONTAINING MATERIAL LOCATIONS - BASEMENT  
FIGURE 5



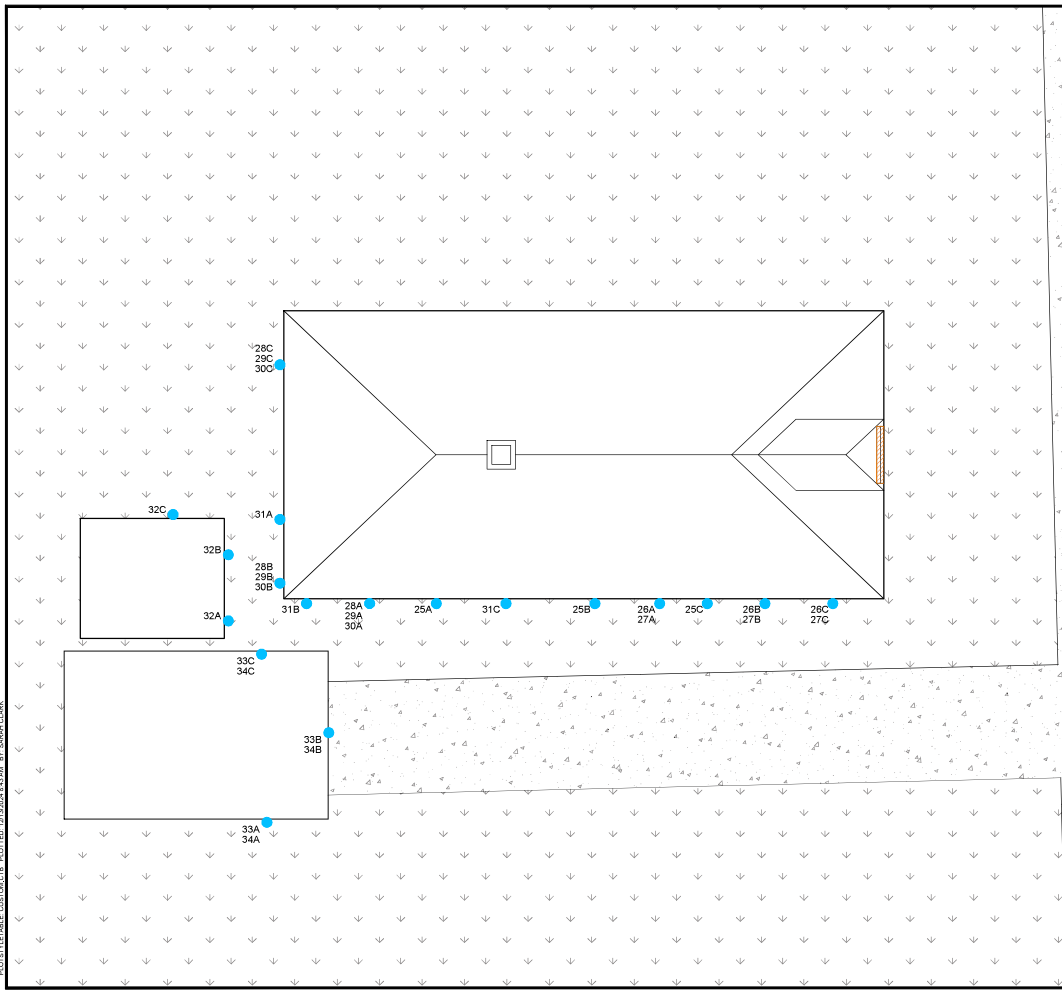
- LEGEND**
- ASBESTOS SAMPLE
  - ⊙ POSITIVE SAMPLE
  - DUCTING
  - HA-03 Duct Wrap Insulation (30 SF Total)

**NOTE**  
BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



30227204-01 - IDOT / Asbestos Surveys WYO #33 Job No. 25-01-016-20 Route 1-80 Parcel TP10139 603 Water Street Joliet, VIII County, Illinois ASBESTOS ABATEMENT SURVEY	
ASBESTOS CONTAINING MATERIAL LOCATIONS - BASEMENT	
	FIGURE 5

30227204-01 - IDOT / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route I-80 Parcel TP10139  
603 Water Street  
Joliet, VIII County, Illinois  
ASBESTOS ABATEMENT SURVEY  
ASBESTOS CONTAINING MATERIAL  
LOCATIONS - EXTERIOR  
FIGURE 6  
30227204-01 - IDOT / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route I-80 Parcel TP10139  
603 Water Street  
Joliet, VIII County, Illinois  
ASBESTOS ABATEMENT SURVEY  
ASBESTOS CONTAINING MATERIAL  
LOCATIONS - EXTERIOR  
FIGURE 6

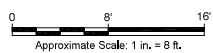


**LEGEND**

- ASBESTOS SAMPLE
- HA-35; White Rough Window Glazing  
(Apx. 60 LF Total)

**NOTE**

BASE MAP DEVELOPED FROM ONSITE INVESTIGATION.



30227204-01 - IDOT / Asbestos Surveys WYO #33  
Job No. 85-01-016-20  
Route I-80 Parcel TP10139  
603 Water Street  
Joliet, VIII County, Illinois  
ASBESTOS ABATEMENT SURVEY

**ASBESTOS CONTAINING MATERIAL  
LOCATIONS - EXTERIOR**

**ARCADIS**

FIGURE 6  
**6**

# Appendix A

## Limitations and Service Constraints

## **Limitations and Service Constraints**

The opinions, conclusions and recommendations presented in this report are limited to the information obtained during the performance of the specific scope of service identified in the report. To the extent that Arcadis relied upon any information prepared by other parties not under direct contract to Arcadis, no representation as to the accuracy or completeness of such information is made. This report is an instrument of professional service and the services described in the report were performed in accordance with generally accepted standards and level of skill and care ordinarily exercised by members of the profession working under similar conditions including comparable budgetary and schedule constraints. No warranty, guarantee, or certification express or implied, is intended or given with respect to Arcadis' services, opinions, conclusions, or recommendations. This statement is in lieu of any other statement either expressed or implied.

Arcadis' observations, the results of testing and Arcadis' opinions, conclusions and recommendations apply solely to conditions existing at the specific times when and specific locations where Arcadis' investigative work was performed. Arcadis affirms that data gathered and presented by Arcadis in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. Arcadis cannot be responsible for decisions made by our client solely on the basis of economic factors. Observation and testing activities such as those conducted by Arcadis are inherently limited and do not represent a conclusive or complete characterization. Arcadis analyzed only the substances, conditions and locations described in the report at the time indicated. Conditions in other parts of the project site, building or area may vary from conditions at the specific locations where observations were made and where testing was performed by Arcadis. Additionally, other building material hazards which were not identified by Arcadis, may also be present in inaccessible areas, including within walls and cavities, above ceilings, and below floors. Therefore, the extent of Arcadis' opinions, conclusions and recommendations are limited and 100% confidence in these opinions, conclusions and recommendations cannot reasonably be achieved. Nothing contained in this report shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards nor shall it be considered medical advice or consultation.

This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared and for the particular purpose outlined in the report. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk. This report must be presented in its entirety.



# Appendix B

## Accreditations

Inspector

Laboratory



525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • [www.dph.illinois.gov](http://www.dph.illinois.gov)

**PATRICK W HOOK**  
2025 WOODLANE DR  
LINDENHURST, IL 60046

3/11/2024

ASBESTOS PROFESSIONAL LICENSE ID NUMBER: 10967

Enclosed is your Asbestos Professional License. Please note the expiration date on the card and in the image depicted below.

**COPY OF THE ASBESTOS PROFESSIONAL LICENSE**

Front of License

Back of License

 <b>ASBESTOS PROFESSIONAL LICENSE</b>			ENDORSEMENTS	TC EXPIRES
ID NUMBER	ISSUED	EXPIRES	INSPECTOR	1/12/2025
100 - 10967	3/11/2024	05/15/2025	PROJECT MANAGER	1/13/2025
<b>PATRICK W HOOK</b> 2025 WOODLANE DR LINDENHURST, IL 60046 Environmental Health			<b>Alteration of this license shall result in legal action</b> This license issued under authority of the State of Illinois Department of Public Health This license is valid only when accompanied by a valid training course certificate.	

If you have any questions or need further assistance, contact the Asbestos Program at (217)782-3517 or fax (217)785-5897.

Our WEB address is: [dph.illinois.gov/topics-services/environmental-health-protection/asbestos](http://dph.illinois.gov/topics-services/environmental-health-protection/asbestos)  
EMAIL Address: [dph.asbestos@illinois.gov](mailto:dph.asbestos@illinois.gov)



## TRAINING SERVICES INTERNATIONAL

### Asbestos Building Inspector Refresher

#### Certificate

This is to certify

**Aaron Yankee**

**XXX-XX-0668**



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

*Robert J. Watten*

11/6/2025

11/6/2024

11/6/2024

Cleveland, OH

Training Manager

Expiration Date

Date(s) of Course

Examination Date

Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSItraining.com

Course Certificate No.

**24 TSI 549753 ir**



TRAINING SERVICES INTERNATIONAL

Asbestos Management Planner Refresher

Certificate

This is to certify

Aaron Yankee

XXX-XX-0668



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title 11 of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

<i>Robert J. Watten</i>	11/6/2025	11/6/2024	11/6/2024	Cleveland, OH
Training Manager	Expiration Date	Date(s) of Course	Examination Date	Course Location

33150 Lakeland Blvd.  
Cleveland, OH 44095  
www.TSItraining.com

Course Certificate No. 24 TSI 549765 mpr

United States Department of Commerce  
National Institute of Standards and Technology



---

## Certificate of Accreditation to ISO/IEC 17025:2017

---

NVLAP LAB CODE: 101202-0

**STAT Analysis Corporation**  
Chicago, IL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

### **Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).*

---

2024-07-01 through 2025-06-30

*Effective Dates*



A handwritten signature in blue ink, reading "Dana S. Laman".

---

*For the National Voluntary Laboratory Accreditation Program*

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**STAT Analysis Corporation**

Sterling Labs  
2242 W. Harrison St. Suite 200  
Chicago, IL 60612  
Carolyn Mazzuca  
Phone: 312-733-0551  
Email: cmazzuca@statanalysis.com

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101202-0**

**Bulk Asbestos Analysis**

**Code**

**Description**

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

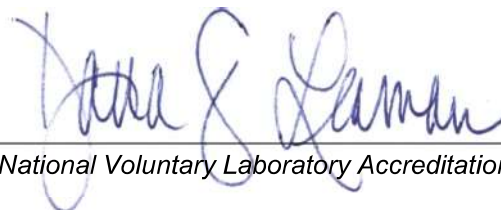
**Airborne Asbestos Analysis**

**Code**

**Description**

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



*For the National Voluntary Laboratory Accreditation Program*

# Appendix C

## Laboratory Reports



## ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

Arcadis US Inc.  
225 W. Wacker Drive, Suite 2015  
Chicago, IL 60606  
Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
Batch No.: 373106 Date Reported: 12/04/2024  
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106001	HA-01A	ND	Cellulose 1-5% Binder 95-99%
373106002	HA-01B	ND	Cellulose 1-5% Binder 95-99%
373106003	HA-01C	ND	Cellulose 1-5% Binder 95-99%
373106004	HA-01D	ND	Cellulose 1-5% Binder 95-99%
373106005	HA-01E	ND	Cellulose 1-5% Binder 95-99%
373106006	HA-01F	ND	Cellulose 1-5% Binder 95-99%
373106007	HA-01G	ND	Cellulose 1-5% Binder 95-99%
373106008	HA-02A	ND	Cellulose 1-5% Binder 95-99%
373106009	HA-02B	ND	Cellulose 1-5% Binder 95-99%
373106010	HA-02C	ND	Cellulose 1-5% Binder 95-99%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :

Daniel Mikos / Microscopist

Date: 12/04/2024



## ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

Arcadis US Inc.  
225 W. Wacker Drive, Suite 2015  
Chicago, IL 60606  
Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
Batch No.: 373106 Date Reported: 12/04/2024  
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106011	HA-02D	ND	Cellulose 1-5% Binder 95-99%
373106012	HA-02E	ND	Cellulose 1-5% Binder 95-99%
373106013	HA-02F	ND	Cellulose 1-5% Binder 95-99%
373106014	HA-02G	ND	Cellulose 1-5% Binder 95-99%
373106015	HA-03A	Chrysotile 15-20%	Binder 80-85%
373106016	HA-03B	Chrysotile 15-20%	Binder 80-85%
373106017	HA-03C	Chrysotile 15-20%	Binder 80-85%
373106018	HA-04A	ND	Cellulose 80-85% Binder 15-20%
373106019	HA-04B	ND	Cellulose 80-85% Binder 15-20%
373106020	HA-04C	ND	Cellulose 80-85% Binder 15-20%
373106021	HA-05A	ND	Cellulose 80-85% Binder 15-20%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :

Daniel Mikos / Microscopist

Date: 12/04/2024

**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
 225 W. Wacker Drive, Suite 2015  
 Chicago, IL 60606  
 Phone: (312) 575-3718

Reference:	30227204.01	Date Received:	11/29/2024
Location:	603 Water St., Joliet, IL 60436	Date Analyzed:	12/04/2024
Batch No.:	373106	Date Reported:	12/04/2024
Customer No.:	2530	Turn Around Time:	5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106022	HA-05B	ND	Cellulose 80-85% Binder 15-20%
373106023	HA-05C	ND	Cellulose 80-85% Binder 15-20%
373106024	HA-06A	ND	Cellulose 80-85% Binder 15-20%
373106025	HA-06B	ND	Cellulose 80-85% Binder 15-20%
373106026	HA-06C	ND	Cellulose 80-85% Binder 15-20%
373106027	HA-07A	ND	Cellulose 35-40% Binder 60-65%
373106028	HA-07B	ND	Cellulose 35-40% Binder 60-65%
373106029	HA-07C	ND	Cellulose 35-40% Binder 60-65%
373106030	HA-08A	ND	Cellulose 1-5% Binder 95-99%
373106031	HA-08B	ND	Cellulose 1-5% Binder 95-99%

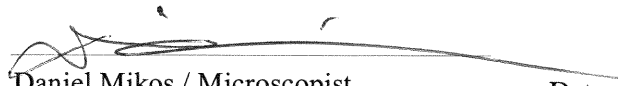
ND = Asbestos Not Detected (Not Present)    NA = Not Analyzed    NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).*

Analyzed by Name :

  
 Daniel Mikos / Microscopist

Date: 12/04/2024

**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
225 W. Wacker Drive, Suite 2015  
Chicago, IL 60606  
Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
Batch No.: 373106 Date Reported: 12/04/2024  
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106032	HA-08C	ND	Cellulose 1-5% Binder 95-99%
373106033	HA-09A	ND	Cellulose 1-5% Binder 95-99%
373106034	HA-09B	ND	Cellulose 1-5% Binder 95-99%
373106035	HA-09C	ND	Cellulose 1-5% Binder 95-99%
373106036	HA-10A	ND	Cellulose 1-5% Binder 95-99%
373106037	HA-10B	ND	Cellulose 1-5% Binder 95-99%
373106038	HA-10C	ND	Cellulose 1-5% Binder 95-99%
373106039	HA-11A	ND	Cellulose 1-5% Binder 95-99%
373106040	HA-11B	ND	Cellulose 1-5% Binder 95-99%
373106041	HA-11C	ND	Cellulose 1-5% Binder 95-99%


ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).*

Analyzed by Name :

  
Daniel Mikos / Microscopist

Date: 12/04/2024

**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
 225 W. Wacker Drive, Suite 2015  
 Chicago, IL 60606  
 Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
 Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
 Batch No.: 373106 Date Reported: 12/04/2024  
 Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106042	HA-12A	ND	Cellulose 15-20% Binder 80-85%
373106043	HA-12B	ND	Cellulose 15-20% Binder 80-85%
373106044	HA-12C	ND	Cellulose 15-20% Binder 80-85%
373106045	HA-13A	Chrysotile 1-5%	Binder 95-99%
373106046	HA-13B	Chrysotile 1-5%	Binder 95-99%
373106047	HA-13C	Chrysotile 1-5%	Binder 95-99%
373106048	HA-14A	ND	Cellulose 15-20% Binder 80-85%
373106049	HA-14B	ND	Cellulose 15-20% Binder 80-85%
373106050	HA-14C	ND	Cellulose 15-20% Binder 80-85%
373106051	HA-15A	ND	Cellulose 15-20% Binder 80-85%
373106052	HA-15B	ND	Cellulose 15-20% Binder 80-85%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :

  
 Daniel Mikos / Microscopist

## ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

Arcadis US Inc.  
225 W. Wacker Drive, Suite 2015  
Chicago, IL 60606  
Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
Batch No.: 373106 Date Reported: 12/04/2024  
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106053	HA-15C	ND	Cellulose 15-20% Binder 80-85%
373106054	HA-16A	ND	Cellulose 15-20% Binder 80-85%
373106055	HA-16B	ND	Cellulose 15-20% Binder 80-85%
373106056	HA-16C	ND	Cellulose 15-20% Binder 80-85%
373106057	HA-17A	Chrysotile 1-5%	Binder 95-99%
373106058	HA-17B	Chrysotile 1-5%	Binder 95-99%
373106059	HA-17C	Chrysotile 1-5%	Binder 95-99%
373106060	HA-18A	ND	Cellulose 10-15% Binder 85-90%
373106061	HA-18B	ND	Cellulose 10-15% Binder 85-90%
373106062	HA-18C	ND	Cellulose 10-15% Binder 85-90%
373106063	HA-19A	ND	Cellulose 60-65% Binder 35-40%

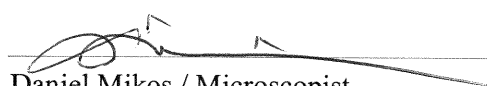
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :

  
Daniel Mikos / Microscopist

**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
 225 W. Wacker Drive, Suite 2015  
 Chicago, IL 60606  
 Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
 Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
 Batch No.: 373106 Date Reported: 12/04/2024  
 Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106064	HA-19B	ND	Cellulose 60-65% Binder 35-40%
373106065	HA-19C	ND	Cellulose 60-65% Binder 35-40%
373106066	HA-20A	ND	Cellulose 1-5% Binder 95-99%
373106067	HA-20B	ND	Cellulose 1-5% Binder 95-99%
373106068	HA-20C	ND	Cellulose 1-5% Binder 95-99%
373106069	HA-21A	ND	Cellulose 1-5% Binder 95-99%
373106070	HA-21B	ND	Cellulose 1-5% Binder 95-99%
373106071	HA-21C	ND	Cellulose 1-5% Binder 95-99%
373106072	HA-22A	ND	Cellulose 1-5% Binder 95-99%
373106073	HA-22B	ND	Cellulose 1-5% Binder 95-99%


ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).*

Analyzed by Name :

  
 Daniel Mikos / Microscopist

Date: 12/04/2024

**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
225 W. Wacker Drive, Suite 2015  
Chicago, IL 60606  
Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
Batch No.: 373106 Date Reported: 12/04/2024  
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106074	HA-22C	ND	Cellulose 1-5% Binder 95-99%
373106075	HA-23A	ND	Cellulose 1-5% Binder 95-99%
373106076	HA-23B	ND	Cellulose 1-5% Binder 95-99%
373106077	HA-23C	ND	Cellulose 1-5% Binder 95-99%
373106078	HA-24A	ND	Cellulose 1-5% Binder 95-99%
373106079	HA-24B	ND	Cellulose 1-5% Binder 95-99%
373106080	HA-24C	ND	Cellulose 1-5% Binder 95-99%
373106081	HA-25A	ND	Cellulose 1-5% Binder 95-99%
373106082	HA-25B	ND	Cellulose 1-5% Binder 95-99%
373106083	HA-25C	ND	Cellulose 1-5% Binder 95-99%


ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :

  
Daniel Mikos / Microscopist

Date: 12/04/2024

**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
 225 W. Wacker Drive, Suite 2015  
 Chicago, IL 60606  
 Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
 Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
 Batch No.: 373106 Date Reported: 12/04/2024  
 Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106084	HA-26A	ND	Binder 80-95% Glass 10-15%
373106085	HA-26B	ND	Binder 80-95% Glass 10-15%
373106086	HA-26C	ND	Binder 80-95% Glass 10-15%
373106087	HA-27A	ND	Cellulose 60-65% Binder 35-40%
373106088	HA-27B	ND	Cellulose 60-65% Binder 35-40%
373106089	HA-27C	ND	Cellulose 60-65% Binder 35-40%
373106090	HA-28A	ND	Cellulose 80-85% Binder 15-20%
373106091	HA-28B	ND	Cellulose 80-85% Binder 15-20%
373106092	HA-28C	ND	Cellulose 80-85% Binder 15-20%
373106093	HA-29A	ND	Cellulose 60-65% Binder 35-40%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :

  
 Daniel Mikos / Microscopist

Date: 12/04/2024



**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
 225 W. Wacker Drive, Suite 2015  
 Chicago, IL 60606  
 Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
 Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
 Batch No.: 373106 Date Reported: 12/04/2024  
 Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106094	HA-29B	ND	Cellulose 60-65% Binder 35-40%
373106095	HA-29C	ND	Cellulose 60-65% Binder 35-40%
373106096	HA-30A	ND	Cellulose 60-65% Binder 35-40%
373106097	HA-30B	ND	Cellulose 60-65% Binder 35-40%
373106098	HA-30C	ND	Cellulose 60-65% Binder 35-40%
373106099	HA-31A	ND	Cellulose 1-5% Binder 95-99%
373106100	HA-31B	ND	Cellulose 1-5% Binder 95-99%
373106101	HA-31C	ND	Cellulose 1-5% Binder 95-99%
373106102	HA-32A	ND	Binder 85-90% Glass 10-15%
373106103	HA-32B	ND	Binder 85-90% Glass 10-15%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :



Daniel Mikos / Microscopist

Date: 12/04/2024

**ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY**

Method: EPA/600/R-93/116

Arcadis US Inc.  
225 W. Wacker Drive, Suite 2015  
Chicago, IL 60606  
Phone: (312) 575-3718

Reference: 30227204.01 Date Received: 11/29/2024  
Location: 603 Water St., Joliet, IL 60436 Date Analyzed: 12/04/2024  
Batch No.: 373106 Date Reported: 12/04/2024  
Customer No.: 2530 Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373106104	HA-32C	ND	Binder 85-90% Glass 10-15%
373106105	HA-33A	ND	Binder 85-90% Glass 10-15%
373106106	HA-33B	ND	Binder 85-90% Glass 10-15%
373106107	HA-33C	ND	Binder 85-90% Glass 10-15%
373106108	HA-34A	ND	Cellulose 60-65% Binder 35-40%
373106109	HA-34B	ND	Cellulose 60-65% Binder 35-40%
373106110	HA-34C	ND	Cellulose 60-65% Binder 35-40%
373106111	HA-35A	Chrysotile 1-5%	Binder 95-99%
373106112	HA-35B	Chrysotile 1-5%	Binder 95-99%
373106113	HA-35C	Chrysotile 1-5%	Binder 95-99%


ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

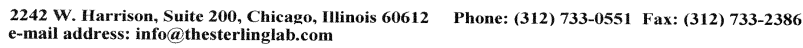
Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).*

Analyzed by Name :

  
Daniel Mikos / Microscopist

Page : 1 of 1

Comments: Please also send results to: [Aaron.Yankee@arcadis.com](mailto:Aaron.Yankee@arcadis.com)

Property Address: 603 Water Street, Joliet, IL 60436 Building Name: 603 Water - Vacant Project Number: 30227204 Date of Inspection: 11-26-24  
 Floor(s) Surveyed: Areas Surveyed: Inspector(s): Aaron Yankee / Patrick Hook

Material Type and Description	Sample Number and Sample Location	HA Quantities & HA Locations	Current Condition	Potential Future Damage
HA-01	Photo No:	Located on which floors: 1st	Good	
Surfacing	B. Bed 1, North Wall	Located in which rooms: Throughout	Damaged	Contact: None L M H
	C. Bed 2, North Wall		Significantly Damaged	Vibration: None L M H
Material Description: PLASTER, TOP/SKIN COAT	D. Bed 3, West Wall	Location of HA within area: Ceiling Floor Wall Roof	Physical Damage	Air Erosion: None L M H
Primary Color: Gray	E. Dining Room, West Wall	Multiple Shaftways Other:	Water Damage	Water: None L M H
Texture: Fissured Grooved Rough Smooth Not Visible N/A	F. Kitchen, West Wall	Total quantity of HA: 5,250 SF		
NESHAP: Friable Cat 1 Cat 2 SACM NSM	G. Kitchen, Ceiling	Damaged areas and descriptions and quantities:	Air Erosion	
HA #	Photo No:	Located on which floors:	Good	
HA-02		Located in which rooms:	Damaged	Contact: None L M H
Surfacing	B. AS		Significantly Damaged	Vibration: None L M H
	C. HA-01	Location of HA within area: Ceiling Floor Wall Roof	Physical Damage	Air Erosion: None L M H
Material Description: PLASTER, BASE COAT	D.	Multiple Shaftways Other:	Water Damage	Water: None L M H
Primary Color: Gray	E.	Total quantity of HA:		
Texture: Fissured Grooved Rough Smooth Not Visible N/A	F.	Damaged areas and descriptions and quantities:	Air Erosion	
NESHAP: Friable Cat 1 Cat 2 SACM NSM	G.			

ADDITIONAL NOTES:

Samples collected by: Aaron R. Yankee Date: Samples Relinquished by: Aaron R. Yankee Date: Samples Relinquished to: Date:

Client/Project: IDOT  
 Site Address: 603 Water St., Joliet, IL 60436  
 Project Number: 30227204

Sample Dates: 11-26-24  
 Inspector: Aaron Yankee/Patrick Hook



373106

HA / Sample Number	Material Type	Color	Texture	Description	Floor	Room/ Sales Area	Sample Location	Material Location(s)	Condition	Friable Y / N	Approx Quantity Units (SF/LF)	Photo #	
03	TSI	Gray	Rough	Duct Wrap Insulation	Basmt	Basement	Basement	Basement	G	Y	30 SF		
	A												
	B												
	C												
Comment / Notes:													
04	MM	White	Rough	2'x4' Acoustical Ceiling Panels, White, Smooth Wavy Texture	1st	Dining Rm	Dining Room Ceiling	Dining Room	G	Y	144 SF		
	A												
	B												
	C												
Comment / Notes:													
05	MM	White	Rough	2'x4' Acoustical Ceiling Panels, White, Smooth, w/ Pin-Holes	1st	Bed 2	Bed 2 Ceiling	Bed 2	G	Y	132 SF		
	A												
	B												
	C												
Comment / Notes:													
06	MM	White	Smooth	2'x4' Acoustical Ceiling Panels, White, Smooth Light texture	1st	Kitchen	Kitchen Ceiling	Kitchen	G	Y	144 SF		
	A												
	B												
	C												
Comment / Notes:													
07	MM	White	Rough	2'x2' Acoustical Ceiling Panels, White, Light Texture w/ Pin Holes	1st	Bath	Bath Ceiling	Bath	G	Y	48 SF		
	A												
	B												
	C												
Comment / Notes: <u>USG Alpine CR5FIN NW</u>													

Client/Project \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Project Number: \_\_\_\_\_

Sample Dates: \_\_\_\_\_  
 Inspector: Aaron Yankee/Patrick Hook



373106

HA / Sample Number	Material Type	Color	Texture	Description	Floor	Room/ Sales Area	Sample Location	Material Location(s)	Condition	Friable Y / N	Approx Quantity Units (SF/LF)	Photo #
08	SURFACE	White	Rough	Textured Ceiling Paint	1ST ↓ ✓	Living Rm	Living Rm Ceiling	Living Rm,	G	Y	264 SF	
	Bed 1					Bed 1 Ceiling	Bed 1,					
Comment / Notes:												
09	MM	Blue	Smooth	12"x12" Floor TILE, BLUE w/ WHITE DIAMOND	1ST ↓ ✓	Living Room	Living Rm,	Living Room,	G	N	132 SF	
Comment / Notes Self-Adhesive												
10	MM	Brown	Smooth	12"x12" Floor TILE, Brown wood pattern diamond	1ST ↓ ✓	Bed 2	Bed 2, by door	Bed 2	G	N	9 SF	
Comment / Notes Self-Adhesive												
11	MM	White	Smooth	12"x12" White Floor TILE, White w/ Black Star Pattern	1ST ↓ ✓	Kitchen	KITCHEN	Kitchen	G	N	144 SF	
Comment / Notes Self-Adhesive												
12	MM	Yellow	Smooth	Linoleum, Yellow w/ Octagonal Pattern & Base Paper Backing	1ST ↓ ✓	Kitchen	Kitchen	Kitchen	G	N	144 SF	
Comment / Notes under HA-11 sub floor												

Client/Project \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Project Number: \_\_\_\_\_

Sample Dates: \_\_\_\_\_  
 Inspector: Aaron Yankee/Patrick Hook



313106

HA / Sample Number	Material Type	Color	Texture	Description	Floor	Room/ Sales Area	Sample Location	Material Location(s)	Condition	Friable Y / N	Approx Quantity Units (SF/LF)	Photo #
13	MM	Beige	Smooth	9" x 9" Floor Tile, Beige Mottled	1st	KITCHEN	Kitchen	Kitchen	G	N	144 SF	
	A				↓	↓	↓					
	B											
	C											
Comment / Notes: under HA-12												
14	MM	White	Smooth	Linoleum, White w/ Black, Gray, Red Specks & Black Paper Backing	1st	Kitchen	Kitchen	Kitchen	G	N	144 SF	
	A				↓	↓	↓					
	B											
	C											
Comment / Notes: under HA-13												
15	MM	Brown	Smooth	Linoleum Brown w/ Red & Black Specks & Brown Paper Backing	1st	Kitchen	Kitchen	Kitchen	G	N	144 SF	
	A				↓	↓	↓					
	B											
	C											
Comment / Notes: under HA-14												
16	MM	Beige <del>Smooth</del>	Smooth	Linoleum, Beige w/ BRICK Pattern & Tan Paper Backing	1st	Bath	Bath	Bath	G	N	48 SF	
	A				↓	↓						
	B											
	C											
Comment / Notes												
17	MM	Yellow	Smooth	FT Mastic, Yellow, a/w HA-13	1st	Kitchen	Kitchen	Kitchen	G	N	144 SF	
	A				↓	↓	↓					
	B											
	C											
Comment / Notes: Yellow Mastic between HA-13 9x9 FT & HA-14 White Linoleum												

Client/Project \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Project Number: \_\_\_\_\_

Sample Dates: \_\_\_\_\_  
 Inspector: Aaron Yankee/Patrick Hook



373106

HA / Sample Number	Material Type	Color	Texture	Description	Floor	Room/ Sales Area	Sample Location	Material Location(s)	Condition	Friable Y / N	Approx Quantity Units (SF/LF)	Photo #
18	MM	WHITE	Rough	Gypsum Board	Bsm	Bed 4	Bed 4 East Wall South Wall West Wall	Basement Bed 4	G	Y	220 SF	
	A											
	B											
	C											
Comment / Notes:												
19	MM	WHITE	Rough	Drywall Tape w/ HA-18	Bsm	Bed 4	Bed 4 East Wall South Wall West Wall	Basement Bed 4	G	N	220 SF	
	A											
	B											
	C											
Comment / Notes:												
20	MM	WHITE	Rough	Joint Compound w/ HA-18	Bsm	Bed 4	Bed 4 East Wall South Wall West Wall	Basement Bed 4	G	Y	220 SF	
	A											
	B											
	C											
Comment / Notes:												
21	MM	GRAY	Rough	Chimney Brick Mortar	Bsm	Basement	Basement at Chimney	Basement	G	N	100 SF	
	A											
	B											
	C											
Comment / Notes:												
22	MM	WHITE	Rough	Chimney Flue Mortar (Patch)	Bsm	Basement	Basement at Chimney	Basement	G	N	2 SF	
	A											
	B											
	C											
Comment / Notes:												



Client/Project \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Project Number: \_\_\_\_\_

Sample Dates: \_\_\_\_\_  
 Inspector: Aaron Yankee/Patrick Hook



33106

HA / Sample Number	Material Type	Color	Texture	Description	Floor	Room/ Sales Area	Sample Location	Material Location(s)	Condition	Friable Y / N	Approx Quantity Units (SF/LF)	Photo #
23	MM	Dark Gray	Rough	Chimney Flue Mortar Dark Gray	Basmt	Basement	Basement at Chimney	Basement	G	N	3 SF	
	A											
	B											
	C											
Comment / Notes:												
24	MM	Gray <del>Dark</del>	Rough	Concrete Foundation Floor	Basmt	Basement	Basement Floor	Basement	G	N	1,200 SF	
	A											
	B											
	C											
Comment / Notes:												
25		Redish Gray	Rough	Exterior Brick Mortar	Ext	Exterior	Ext. House	Exterior House	G	N	800 SF	
	A											
	B											
	C											
Comment / Notes:												
26	MM	WHITE/ BLACK	Rough	Roofing Shingles a/w House	Ext	Exterior	Ext House	Exterior House	G	N	1,400 SF	
	A											
	B											
	C											
Comment / Notes:												
27	MM	Black	Rough	Roofing Paper a/w House	Ext	SAME AS HA-26			G	N	1,400 SF	
	A											
	B											
	C											
Comment / Notes: under HA-26												

Client/Project \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Project Number: \_\_\_\_\_

Sample Dates: \_\_\_\_\_  
 Inspector: Aaron Yankee/Patrick Hook



373106

HA / Sample Number	Material Type	Color	Texture	Description	Floor	Room/ Sales Area	Sample Location	Material Location(s)	Condition	Friable Y / N	Approx Quantity Units (SF/LF)	Photo #
28	MM	Brown	Rough	Wood Fiber Board behind Aluminum Siding	EXT	Exterior	Exterior House, West side	Exterior House	G	N	300 SF	
	A				↓	↓	↓		↓			
	B											
	C											
Comment / Notes:												
29	MM	Red/Black	Rough	Asphalt Siding w/ Fiberboard Backing	EXT	Exterior	Exterior House, West side	Exterior House	G	<del>N</del>	300 SF	
	A				↓	↓	↓		↓			
	B											
	C											
Comment / Notes under HA-28												
30	MM	Brown	Rough	Light Brown Paper w/ Dark Brown Backing	Ext	Exterior	Exterior House, West side	Exterior House	G	N	300 SF	
	A				↓	↓	↓		↓			
	B											
	C											
Comment / Notes under HA-29												
31	MM	Gray	Rough	Exterior Foundation CMU Mortar	EXT.	Exterior	Ext. House Foundation	Exterior House	G	N	840 SF	
	A				↓	↓						
	B											
	C											
Comment / Notes												
32	MM	Black & Green	Rough	Exterior Shed Roofing Shingles	Ext.	Ext. Shed	Ext. Shed	Exterior Shed	G	N	120 SF	
	A				↓	↓	↓		↓			
	B											
	C											
Comment / Notes												

Client/Project \_\_\_\_\_  
 Site Address: \_\_\_\_\_  
 Project Number: \_\_\_\_\_

Sample Dates: \_\_\_\_\_  
 Inspector: Aaron Yankee/Patrick Hook



373186

HA / Sample Number	Material Type	Color	Texture	Description	Floor	Room/ Sales Area	Sample Location	Material Location(s)	Condition	Friable Y / N	Approx Quantity Units (SF/LF)	Photo #		
33	MM	Black	Rough	Exterior Garage Roofing Shingle	↓		Exterior Garage	Ext. Garage	G	N	350 SF			
	A												Ext.	Ext. Garage
	B													
	C													
Comment / Notes:														
34	MM	Black	Rough	Exterior Garage Roof Paper	↓		SAME AS HA-33	Ext. Garage	G	N	350 SF			
	A													
	B													
	C													
Comment / Notes: under HA-33														
35	MM	WHITE	Rough	Window Glazing	↓	1 <sup>st</sup> Living Rm	Living Rm, East window	Living Rm Attic	SD	Y	3 windows, N60 W 1/4"			
	A													
	B													
	C													
Comment / Notes:														
	A													
	B													
	C													
Comment / Notes:														
	A													
	B													
	C													
Comment / Notes:														

# Appendix D

## Photo Log



**View of House**



**View of Garage and Shed**



**HA-1: Gray Plaster Skimcoat  
HA-2: Gray Plaster Basecoat**



**HA-3: Gray Duct Wrap Insulation**



**HA-4: White 2' x 4' Acoustical Ceiling Tiles (Smooth Wavy Texture)**



**HA-5: White 2' x 4' Acoustical Ceiling Tiles (Pin Holes)**

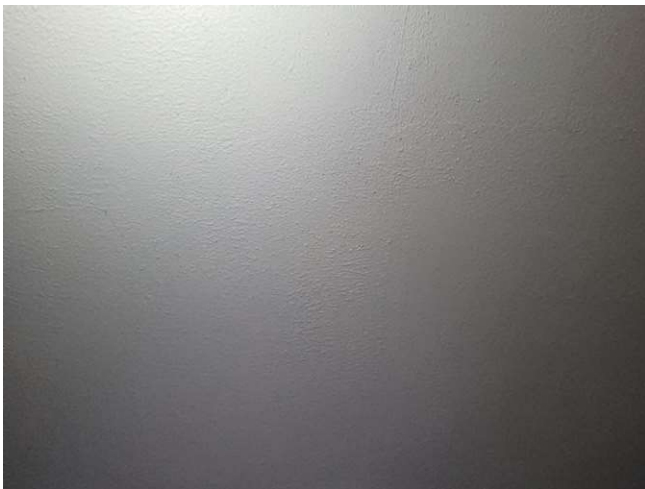




**HA-6: White 2' x 4' Acoustical Ceiling Tiles (Smooth Texture)**



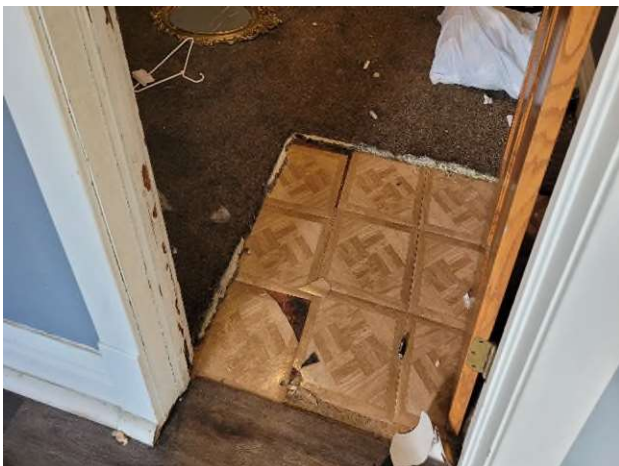
**HA-7: 2' x 2' Acoustical Ceiling Tiles (Pin Holes)**



**HA-8: White Textured Ceiling Paint**



**HA-9: Self-Adhesive 12' x 12' Blue with White Diamonds Floor Tile**



**HA-10: Self-Adhesive 12' x 12' Brown Wood Pattern Floor Tile**



**HA-11: Self-Adhesive 12' x 12' White with Black Stars Floor Tile**





**HA-12: Yellow Linoleum Flooring with Octagonal Pattern and Beige Paper Backing**



**HA-13: 9" x 9" Brown Mottled Floor Tile**  
**HA-17: Yellow Mastic associated with HA-13**



**HA-14: White Linoleum with Black, Gray and Red Specks and Black Paper Backing**



**HA-15: Brown Linoleum with Red and Black Specks and Brown Paper Backing**



**HA-16: Beige Linoleum with Brick Pattern and Tan Paper Backing**



**HA-18: White Gypsum Board**  
**HA-19: White Drywall Tape associated with HA-18**  
**HA-20: White Joint Compound associated with HA-18**

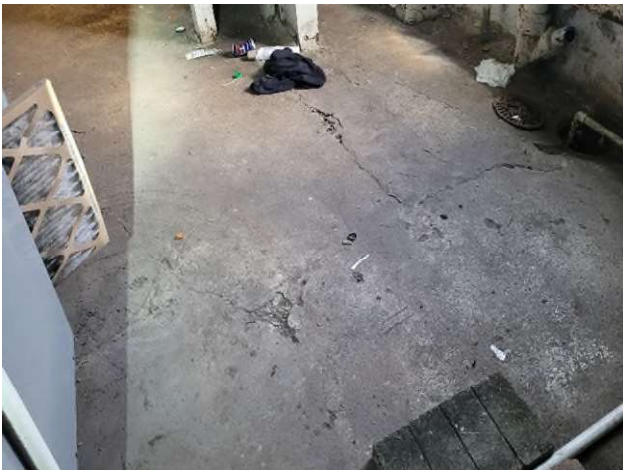




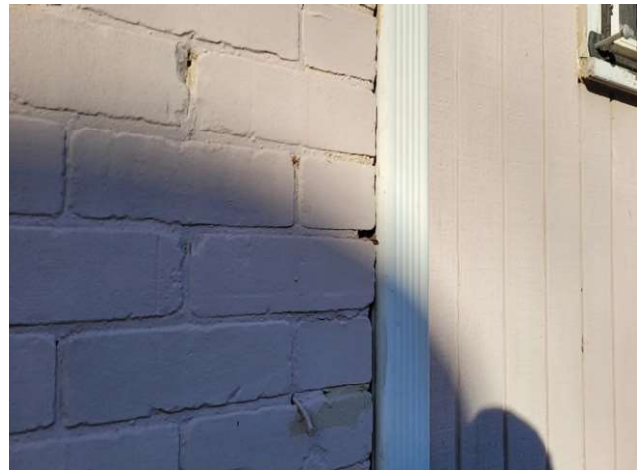
**HA-21: Gray Chimney Brick Mortar**



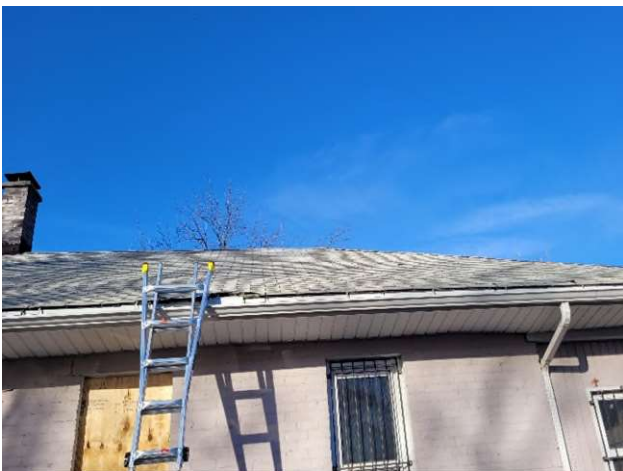
**HA-22: White Chimney Flue Mortar (Patch)**  
**HA-23: Dark Gray Chimney Flue Mortar**



**HA-24: Gray Concrete Foundation**



**HA-25: Gray Exterior Brick Mortar**



**HA-26: White/Black Roofing Shingles**  
**HA-27: Black Roofing Paper**



**HA-28: Brown Wood Fiber Board behind Aluminum Siding**





**HA-29: Red/Black Asphalt Siding with Fiber Board Backing**



**HA-30: Light Brown Paper with Dark Brown Backing**



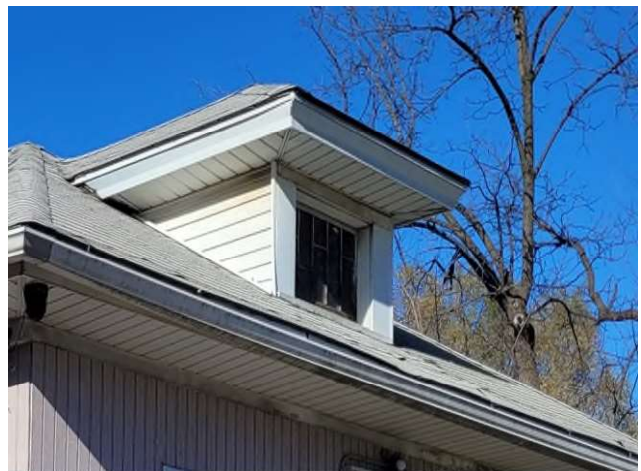
**HA-31: Exterior Foundation CMU Mortar**



**HA-32: Black and Green Roofing Shingles (Shed)**



**HA-33: Black Roofing Shingle (Garage)**  
**HA-34: Black Roofing Paper (Garage)**



**HA-35: White Window Glazing**

Arcadis U.S., Inc.  
225 West Wacker Drive  
Suite 2015  
Chicago, Illinois 60606  
Phone: 312 917 1000  
[www.arcadis.com](http://www.arcadis.com)