Michigan State University
Central Services Demolition
Capitol Project Number CP24092

ADDENDUM NO. 2
DATE: May 5, 2025

ADDENDUM
PAGE 1 OF 1

OWNER:	Board of Trustees – Michigan State University Hannah Administration 426 Auditorium Road, #450 East Lansing, MI 48824
ENGINEER:	Planning, Design, and Construction Infrastructure Planning and Facilities 1147 Chestnut Road, Room 101 East Lansing, MI 48824
DRAWING REVISION NO.:	3 – Addendum No. 2 – 05/05/2025
ISSUED HEREWITH:	
SPECIFICATION SECTIONS:	Section 323113 – Chain Link Fences and Gates
SHEETS:	C10 – Site Grading Plan
ATTACHMENTS:	Revised NESHAP Pre-Demolition Hazardous Material Report – Rev. 05/05/2025) Revised Pre-bid Meeting Agenda and Pre-Bid Request for Information (RFI) w/ Responses – Rev. 05/05/2025
BIDS DUE:	May 16, 2025 at 3:00pm

This Addendum is issued to all Bid Set Holders, is a part of the Contract Documents, and modifies the previously issued Bidding Documents. Acknowledge receipt of this Addendum in the space provided on the Bid form; failure to do so may result in rejection of the Bid.

ITEM NO. 1:
NESHAP Pre-Demolition Hazardous Material Report – Rev. 05/05/2025 (reissued)

ITEM NO. 2:
Section: 003119.23 – Existing Structural Information (issued)

ITEM NO. 3:
Sheet: C10 – Site Grading Plan (reissued)

A. Permanent fencing to be furnished and installed by contractor.
B. Man Gate information added to gate at south end of project.
C. Updated Revisions in Title Block

END OF ADDENDUM NO. 1

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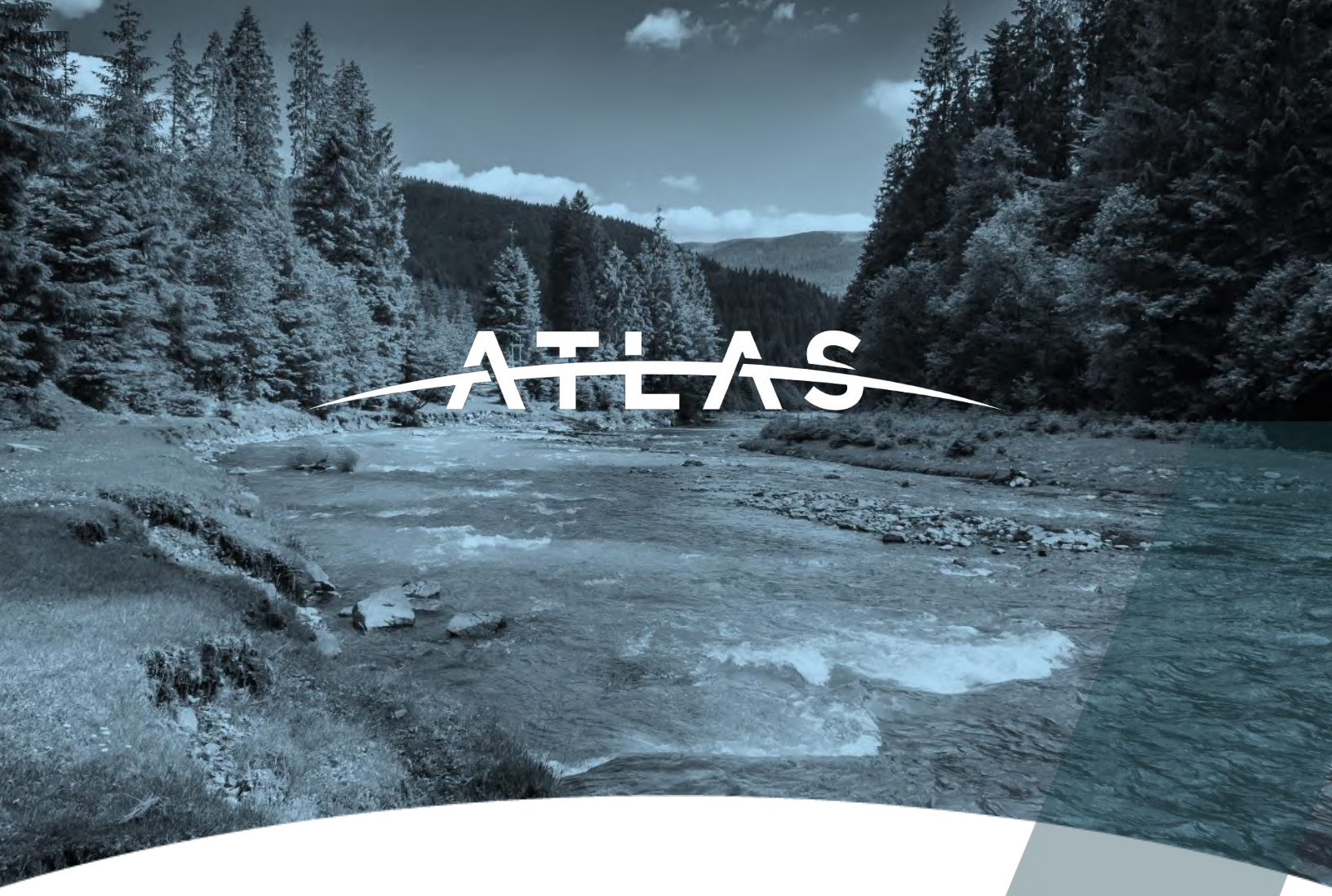


PRE-DEMOLITION HAZARDOUS MATERIALS SURVEY REPORT

CENTRAL SERVICES

570 Red Cedar Road
East Lansing, MI 48823

188BS24700

PREPARED FOR:

Michigan State University

PREPARED BY:

Atlas Technical Consultants LLC
46555 Humboldt Drive, Ste. 100
Novi, MI 48377

Revised May 5, 2025

46555 Humboldt Dr., Ste. 100
Novi, MI 48377
(248) 669-5140 | oneatlas.com

Revised Report Date: May 5, 2025

MR. GARY BOSH
MICHIGAN STATE UNIVERSITY
4000 COLLINS Rd., B-20
LANSING, MI 48910

Subject: **Pre-Demolition Hazardous Materials Survey Report**
Michigan State University
Central Services
570 Red Cedar Road
East Lansing, MI 48824

Dear Mr. Bosh:

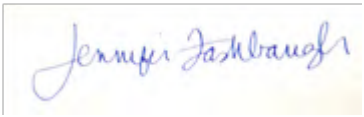
Atlas Technical Consultants (Atlas) is pleased to submit the enclosed pre-demolition hazardous materials survey for the above-referenced location. The survey was conducted from December 2-9, 2024, and February 26, 2025, in general accordance with Michigan State University's standard operating procedure.

Please refer to the attached Report, Tables, Drawings, and Analytical results for additional information.

If you have questions or desire additional information, please contact Atlas at 248-669-5140. Please refer to Atlas Project No. 188BS24700.

Respectfully submitted,

Atlas Technical Consultants LLC



Andrew DeLodder
Asbestos Inspector
Atlas Technical Consultants LLC

Jennifer Fashbaugh
Project Manager
Atlas Technical Consultants LLC

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APPENDICES

1. EXECUTIVE SUMMARY

Atlas performed a pre-demolition hazardous materials survey including asbestos and PCB sampling as well as a visual assessment to inventory Other Regulated Materials (ORM) at Michigan State University (MSU) Central Services at 570 Red Cedar Road, East Lansing, Michigan 48824. The hazardous materials survey included accessible areas of the basement, 1st, 2nd, and 3rd floors as well as the roof and exterior areas and was conducted from December 2 through December 9, 2024. Additional samples were collected of the interior cork ceiling, paper layer, and associated asphaltic layer on February 26, 2025.

The survey was performed in general accordance with Federal, State and local rules for conducting hazardous materials surveys to meet Occupational Safety and Health Administration (OSHA) Asbestos for General Industry Standard (29 CFR 1910.1001(j)(2)(i)) and United States Environmental Protection Agency (EPA) / National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61) requirements.

1.1 General Observations

1.1.1 Asbestos Analytical Results

In summary, the asbestos analytical results indicated asbestos greater than 1% by weight was detected in thirty-seven (37) of the one hundred and twenty-four (124) suspect materials collected and analyzed during the survey. Three (3) materials were found to contain asbestos but were <1% after point count analysis. **Table 1.1.1A** below provides a summary of the 37 confirmed asbestos-containing materials (ACMs) from the building:

Table 1.1.1A Summary of ACM

Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
11-IC-A,B,C	Interior caulk - Dark brown, perimeter of door/window frames	Good	Cat II	1040 LF	2% Chrysotile
16-PF-A,B,C	Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines	Fair	RACM	283 Fittings	30% Chrysotile
17-HM-A,B,C	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	Good	RACM	78 Hangers	50% Chrysotile
18-PI-A,B,C	Pipe insulation - wool felt, blue colored sprinkler lines	Good	RACM	875 LF	35% Chrysotile
19-PF-A,B,C	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	Fair	RACM	159 Fittings	50% Chrysotile
20-PI-A,B,C	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	Good	RACM	468 LF	45% Chrysotile
21-PF-A,B,C	Pipe fitting - canvas covered mudded fittings, on aircell steam line	Good	RACM	93 Fittings	45% Chrysotile
24-CI-A,B,C,D	Remnants of original cork ceiling insulation with outer black paper layer adhered to concrete ceiling (associated with HA-32)	Fair	RACM	50 SF	2% Chrysotile
25-IC-A,B,C	Interior caulk - greenish grey, hard, inside electrical boxes	Good	Cat II	12 SF	10% Chrysotile
32-IC-A,B,C	Interior caulk (tar), black, perimeter of cork insulation, associated with HA-24	Good	Cat II	160 LF	3% Chrysotile
34-TI-A,B,C	Tank insulation	Good	RACM	1 Tank	30% Chrysotile

Table 1.1.1A Summary of ACM					
Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
38-WG-A,B,C	Window glaze - White glaze, metal window leaned against wall	Good	Cat II	1 Window	3% Chrysotile
44-PI-A,B,C	Pipe insulation - magnesia	Good	RACM	985 LF	30% Chrysotile
45-PF-A,B,C	Pipe fitting - canvas wrapped mudded fitting on magnesia line	Good	RACM	200 Fittings	30% Chrysotile
49-WG-A,B,C	Window glaze - beige glaze, window in metal door	Good	Cat II	11 Windows	Point Count: Trace Chrysotile
50-FT-A,B,C	Floor tile - 9" black tile, black mastic	Good	Cat I	210 SF	FT: 2% Chrysotile Mastic: ND
51-FT-A,B,C	Floor tile - 9" dark brown, black mastic	Good	Cat I	210 SF	FT: 2% Chrysotile Mastic: ND
52-FT-A,B,C	Floor tile - 9" grey with black streaks, black mastic	Good	Cat I	210 SF	FT: 7% Chrysotile Mastic: ND
57-GTM-A,B,C	Gasket material - fiber gaskets between steel fittings	Good	RACM	44 Gaskets	10% Chrysotile
59-TI-A,B,C	Tank insulation - canvas paper wrapped fiberglass over magnesia block	Good	RACM	1 Tank	30% Chrysotile
61-TPL-A,B,C	Textured plaster - rough texture, ceiling	Good	RACM	180 SF	3% Chrysotile
63-IC-A,B,C	Interior caulk - grey, hard, perimeter of metal window frame	Good	Cat II	650 LF	Point Count: 2.25% Chrysotile
64-VD-A,B,C	Vibration dampener - white canvas	Good	RACM	40 SF	20% Chrysotile
65-CA-A,B,C	Construction adhesive - black / dark brown, under steel corner guard	Good	Cat II	345 SF	3% Chrysotile
79-FS-A,B,C	Vinyl sheeting - Brown/light squares.	Good	Cat I	265 SF	15% Chrysotile
80-IC-A,B,C	Interior caulk - Brown caulk - Perimeter of glass block	Good	Cat II	390 SF	Point Count: 1.75% Chrysotile
90-EJ-A,B,C	Expansion joint - concrete foundation walls	Good	Cat II	5 LF	8% Chrysotile
91-EJ-A,B,C	Expansion joint - brick siding	Good	Cat II	300 LF	2% Chrysotile
97-WG-A,B,C	Window glaze - multi-pane steel windows	Fair	Cat II	1060 LF	Point Count: 0.25% Chrysotile
98-WG-A,B,C	Window glaze - basement steel windows	Fair	Cat II	7 Windows	Point Count: 0.25% Chrysotile
100-EC-A,B,C	Exterior caulk - grey, perimeter of door frames	Good	Cat II	70 LF	7% Chrysotile
102-EC-A,B,C	Exterior caulk - grey, perimeter of steel multi-pane windows	Good	Cat II	725 LF	5% Chrysotile
103-EC-A,B,C	Exterior caulk - grey, perimeter of steel basement windows	Good	Cat II	350 LF	6% Chrysotile
117-EC-A,B,C	Exterior caulk - dark grey, under concrete capstone	Good	Cat II	400 SF	10% Chrysotile
121-EC-A,B,C	Exterior caulk - grey, on wall vent perimeter	Good	Cat II	35 LF	5% Chrysotile
122-EC-A,B,C	Exterior caulk - black, on parapet wall seams	Good	Cat II	800 SF	5% Chrysotile
124-CI-A,B,C,D,E	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	Poor	RACM	120 SF	4% Chrysotile
RACM – Regulated Asbestos Containing Material SF/LF – Square Foot/Linear Foot			CAT I – Category I Non-Friable CAT II – Category II Non-Friable		

In the event additional suspect materials are discovered during abatement activities, this material should be treated as presumed asbestos-containing material (PACM) in accordance with OSHA regulations 29 CFR 1926.1101 and 1910.1001 and other applicable state and local regulations and either sampled to confirm or nullify asbestos content or be treated as ACM and handled accordingly.

Table 1.1.1B below provides a summary of materials that are considered assumed to contain asbestos:

Table 1.1.1B Summary of Assumed ACM

Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
1 – NOT SAMPLED	Fire door & frame - metal	Good	RACM	97 Doors	*ASSUMED, NOT SAMPLED*
2 – NOT SAMPLED	Fire door & frame - wood	Good	RACM	19 Doors	*ASSUMED, NOT SAMPLED*
22- MAG LAYER NOT SAMPLED	Pipe insulation - cork. Note: could be hidden layer of mag inside. Treat as ACM.	Good	RACM	11 LF	*CORK LAYER – NON-DETECT MAG LAYER ASSUMED*
78 – NOT SAMPLED	Roof drain fitting - unknown material	Good	RACM	2 Fittings	*ASSUMED, NOT SAMPLED*
86 – NOT SAMPLED	Transite window sill	Good	CAT II	20 SF	*ASSUMED, NOT SAMPLED*

A complete list of suspect asbestos-containing materials identified in the subject building including those sampled and analyzed for asbestos content and found to not contain asbestos are summarized below in **Table 2.4** and included in **Appendix I** (Homogenous Area List).

1.1.2 Polychlorinated Biphenyls (PCB) Analytical Results

Composite samples of caulks, glazes, and mastics or adhesives were collected and analyzed for PCBs. The laboratory analytical results for the limited PCB sampling conducted at the subject building indicated that one (1) of the five (5) composite material samples were found to contain PCBs, however the amount was below 50 parts per million (PPM). **Table 1.1.2** below provides a summary of the composite materials that were collected for PCB analysis:

Table 1.1.2 Summary of PCB Analytical Results

Sample ID	Material	Condition	PCB Type: Content	Total PCB Content
1-EC-PCB	Exterior caulks (EA-1 through EA-4)	Good	None Detected	None Detected
2-EC-PCB	Exterior caulks (Roof)	Good	None Detected	None Detected
3-WG-PCB	Window glazes	Good	Aroclor 1,260: 7.91 ppm	7.91 ppm
4-IC-PCB	Interior caulks	Good	None Detected	None Detected
5-MA-PCB	Mastics / adhesives	Good	None Detected	None Detected

If any additional materials are discovered during renovation or demolition activities, such materials must be assumed to contain PCBs until sampling and analysis proves otherwise.

1.1.3 Other Regulated Materials (ORM) Inventory

Atlas conducted a visual assessment for Hazardous and/or Other Regulated Material (ORM) at the subject building and recorded the quantity and location of the items including but not limited to e-wastes, mercury devices or equipment, lights, ballasts, chemicals, etc. **Table 1.1.3** below summarized the inventory of ORM listed in the subject building.

Table 1.1.3 Summary of Other Regulated Materials			
Floor	**Functional Space**	**Quantity**	**Material**
1	34	1	CFC's, Air Conditioners, refrigerators, freezers, dehumidifiers
	35	1	
	37	1	
	38	1	
B	9	1	
1	39	2	Exit Signs
	43	2	
	46	3	
	47	1	
2	69	3	
	70	1	
	73	1	
3	76	2	
B	24	1	
1	47	1	Fire Extinguishers
	48	1	
	57	2	
2	69	2	
	70	1	
3	76	1	
B	1	2	
	16	1	
	17	1	
	19	1	
1	30	12	Fluorescent, HID Light Fixtures, Bulbs, Ballasts
	31	5	
	32	20	
	34	8	
	35	8	
	36	2	
	37	2	
	38	6	
	39	4	
	46	6	
	47	2	
	48	3	
	51	7	
	54	2	
	56	4	
	57	4	
B	19	2	
	22	3	
	23	28	
	24	60	

Table 1.1.3 Summary of Other Regulated Materials			
Floor	**Functional Space**	**Quantity**	**Material**
2	69	3	Security Alarms/Systems
	70	1	
	73	2	
B	1	1	
1	43	1	Misc. Items (Glue, Solvents, Cleaners, etc.)
B	7	24	
	14	13	
	25	5	
1	44	3	Paint Cans
B	7	22	
1	54	1	Lead Sewer Stacks
1	33	1	Thermostats
1	34	1	
	35	1	
	37	1	
	38	1	
	41	1	
	45	1	
	48	1	
	57	1	
	58	1	
	59	1	
	60	1	
	61	1	
	62	1	
	64	1	
	65	1	
	66	1	
	67	1	
	68	1	
2	69	1	
	70	1	
	71	1	
	72	1	
3	77	1	
B	8	1	
	9	1	
	21	1	
	22	1	
	23	1	
2	69	4	Smoke Detectors
	70	2	
B	7	1	Aboveground Storage Tanks
	25	6	
1	57	1	CRTs, TV Screens, Monitors, Electronics

1.2 Discussion and Recommendations

The results of the asbestos survey conducted from December 2-9, 2024, and February 26, 2025, at MSU Central Services, indicated that thirty-seven (37) of the one hundred and twenty-four (124) suspect materials sampled by Atlas were found to be ACM as defined by the EPA and State of Michigan Occupational Safety and Health Administration (MIOSHA) regulations. Three (3) materials were found to contain asbestos but were <1% after point count analysis. Due to the destructive nature of sampling, five (5) materials were assumed to contain asbestos and should be treated as ACM until sampling proves otherwise. See **Tables 1.1.1A and 1.1.1B** above.

The results of laboratory testing during the limited PCB sampling conducted at the subject building indicated that one (1) of the five (5) composite materials sampled were found to contain concentrations of PCBs below 50 PPM. If any additional materials are discovered during renovation or demolition activities, such materials must be assumed to contain PCBs until sampling and analysis proves otherwise. See **Table 1.1.2** above.

It should be further noted that additional suspect ACMs and PCBs, beyond those identified during this survey, may be present in inaccessible areas or spaces concealed by practical and manual means of retrieval. These areas or spaces include, but are not limited to, buried piping, obstructed wall, ceiling, or floor cavities, interstitial spaces, concrete or mortar-entombed materials, mechanical pipe gaskets and packings, insulated electrical components, etc. Atlas recommends any building materials not previously sampled which are suspected to contain asbestos or PCB that are discovered during renovation or demolition activities be sampled to determine asbestos and PCB content and addressed accordingly.

Atlas also conducted a visual assessment for Hazardous and/or Other Regulated Material (ORM) at the subject building and recorded the quantity and location of materials/items including, but not limited to:

- E-Wastes
- Mercury Containing Devices or Equipment (switches, gauges, fluorescent lamps)
- Dielectric fluid in electrical equipment (transformers, capacitors, and light ballasts
- Fuels and Oils
- Tires
- Batteries
- Florescent Light Fixtures
- Miscellaneous containers of chemicals

Table 1.1.3 above summarizes the ORM inventory list from the subject building.

2. ASBESTOS SURVEY

2.1 Introduction

The survey was performed in accordance with Federal, State and local rules for conducting asbestos surveys to meet Occupational Safety and Health Administration (OSHA) Asbestos for General Industry Standard (29 CFR 1910.1001(j)(2)(i)) and United States Environmental Protection Agency (EPA) / National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61) requirements.

Atlas collected 401 bulk samples comprising 437 sample layers from 124 suspect materials from various areas throughout the interior and exterior of the building. These samples were packaged and delivered to Environmental Testing Laboratory (ETL) located in Romulus, Michigan and were submitted for Polarized Light Microscopy (PLM) analyses with further analysis by Point Count Method when PLM results were <1% asbestos content by weight.

2.2 Site & Building Descriptions

MSU Central Services is located at 570 Red Cedar Road, East Lansing, Michigan 48824, and is an active campus facility. MSU Central Services consists primarily of masonry and steel frame construction. The north portion of the building primarily consists of offices, storage rooms, classrooms, restrooms, and mechanical and maintenance areas. The south portion of the building primarily consists of storage areas, storage rooms converted from former cooler rooms, offices, restrooms and mechanical and maintenance areas. Interior finishes include a variety of materials including, but not limited to masonry brick/block, ceramic tile, plaster, drywall, suspended tile; and concrete floors with predominantly carpet, vinyl/asphalt tile, or ceramic tile finishes.

2.3 Sampling Methodology

Bulk samples were collected of suspect asbestos-containing materials (ACMs) and grouped by homogeneous area (HA). An HA is characterized as surfacing material, thermal system insulation (TSI), or miscellaneous material that is uniform in use, colors, appearance, pattern, texture, and date of installation. The HA can be described within a single building (i.e., red floor tile in different buildings on the same complex, even if installed on the same day, compose different HAs).

Bulk samples were obtained with tools designed to penetrate a material without creating excessive dust. An effort was made to obtain samples that were representative of all layers of the material. The areas were pre-wetted to reduce potential dust generation during the sampling process.

Atlas's sampling procedures incorporate the use of sealable containers labeled in a unique numbering sequence to store bulk samples. Information about bulk samples, including the sample numbers and materials' descriptions, were noted on the chain-of-custody sheets after samples were collected. Laboratory analytical results and field chain-of-custody sheets are included in **Appendix III**.

The site was inspected for the presence of material that may contain asbestos as per the State of Michigan Occupational Safety and Health Administration (MIOSHA) regulations.

In accordance with the scope of work for the project, the survey areas included the roof, building exterior, and the building interior and was conducted using non-destructive sampling procedures. Site diagrams of the building areas with labeled functional space designations and bulk sample locations are included in **Appendix II**.

Samples were analyzed using PLM, utilizing dispersion staining techniques (EPA Method 600/R-93/116, July-1993) to assess the percentage of asbestos present on the basis of visual area estimation. ACMs are defined as materials that contain greater than 1% asbestos.

Several construction and finish materials were observed in the site building that were determined to be non-suspect materials. These materials may include:

- Clay/terra-cotta Structural Block
- Wood
- Carpet
- Wallpaper
- Glass

2.4 Summary of Findings

The analytical results indicated asbestos was detected in thirty-seven (37) of one hundred and twenty-four (124) suspect materials. Three (3) materials were found to contain asbestos but were <1% after point count analysis. There was a total of four hundred and one (401) bulk samples (437 layers) collected and analyzed during this portion of the survey.

Five (5) materials were assumed to contain asbestos but were not sampled because they were either inaccessible, they were located in areas excluded from the project scope of work, or non-destructive sampling could not be performed due to building occupancy. These materials should be treated as ACM until sampling proves otherwise.

Table 2.4 below provides a summary of accessible suspect materials sampled or assumed as well as confirmed ACMs from the Site building(s):

Table 2.4 Summary of Asbestos Bulk Sampling

Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
1 – Not Sampled	**Fire door & frame - metal**	**Good**	***ASSUMED, NOT SAMPLED***		
2 – Not Sampled	**Fire door & frame - wood**	**Good**	***ASSUMED, NOT SAMPLED***		
3-CC-A,B,C	Concrete chip - concrete slab foundation & decks	Good	Cat II	NA	ND
4-TZ-A,B,C	Terrazzo flooring - Grey mix with white, beige, and black stone	Good	Cat II	NA	ND
5-BM-A,B,C	Brick mortar - CMU block walls	Good	Cat II	NA	ND
6-BM-A,B,C	Brick mortar - grey glazed ceramic block walls	Good	Cat II	NA	ND
7-BM-A,B,C	Brick mortar - skim coat on CMU block walls	Good	Cat II	NA	ND

Table 2.4 Summary of Asbestos Bulk Sampling					
Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
8-GM-A,B,C	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	Good	Cat II	NA	ND
9-IC-A,B,C	Interior caulk - red, penetrations / void filler	Good	Cat II	NA	ND
10-IC-A,B,C	Interior caulk - grey, penetrations / void filler	Good	Cat II	NA	ND
11-IC-A,B,C	**Interior caulk - Dark brown, perimeter of door/window frames**	Good	Cat II	**1040 LF**	**2% Chrysotile**
12-PI-A,B,C	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	Good	RACM	NA	ND
13-PF-A,B,C	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	Good	RACM	NA	ND
14-IC-A,B,C	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	Good	Cat II	NA	ND
15-PI-A,B,C	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	Good	RACM	NA	ND
16-PF-A,B,C	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**Fair**	RACM	**283 Fittings**	**30% Chrysotile**
17-HM-A,B,C	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	Good	RACM	**78 Hangers**	**50% Chrysotile**
18-PI-A,B,C	**Pipe insulation - wool felt, blue colored sprinkler lines**	Good	RACM	**875 LF**	**35% Chrysotile**
19-PF-A,B,C	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**Fair**	RACM	**159 Fittings**	**50% Chrysotile**
20-PI-A,B,C	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	Good	RACM	**468 LF**	**45% Chrysotile**
21-PF-A,B,C	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	Good	RACM	**93 Fittings**	**45% Chrysotile**
22-PI-A,B,C	**Pipe insulation - cork. Note: could be hidden layer of mag inside. Treat as ACM.**	**Good**	**RACM**	**11 LF**	**Cork – ND Mag - Assumed**
23-CI-A,B,C	Cork wall insulation - inside wall between the two block layers	Good	RACM	NA	ND
24-CI-A,B,C	**Remnants of original cork ceiling insulation with outer black paper layer adhered to concrete ceiling (associated with HA-32)**	**Fair**	RACM	**50 SF**	**2% Chrysotile**
25-IC-A,B,C	**Interior caulk - greenish grey, hard, inside electrical boxes**	Good	Cat II	**12 SF**	**10% Chrysotile**
26-PI-A,B,C	Pipe insulation - horse hair bands under metal hangers	Good	RACM	NA	ND
27-FT-A,B,C	Floor tile - 12" beige tile with red streaks,	Good	Cat I	NA	ND
28-CB-A,B,C	Cove base - 4" brown vinyl with adhesive	Good	Cat I	NA	ND
29-CP-A,B,C	Ceiling panel - 2' white pinhole/fissure texture	Good	RACM	NA	ND
30-BM-A,B,C	Brick mortar - 12"x4" concrete bricks	Good	Cat II	NA	ND
31-BM-A,B,C	Brick mortar - 2"x6" concrete bricks	Good	Cat II	NA	ND
32-IC-A,B,C	**Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)**	Good	Cat II	**160 LF**	**3% Chrysotile**

Table 2.4 Summary of Asbestos Bulk Sampling					
Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
33-WG-A,B,C	Window glaze - grey caulk	Good	Cat II	NA	ND
34-TI-A,B,C	**Tank insulation**	Good	RACM	**1 Tank**	**30% Chrysotile**
35-WG-A,B,C	Window glaze - black, on door window	Good	Cat II	NA	ND
36-FT-A,B,C	Floor tile - 12" light brown with mottle, box of tile	Good	Cat I	NA	ND
37-FT-A,B,C	Floor tile - 12" white with black streaks, box of tile	Good	Cat I	NA	ND
38-WG-A,B,C	**Window glaze - White glaze, metal window leaned against wall**	Good	Cat II	**1 Window**	**3% Chrysotile**
39-WG-A,B,C	Window glaze - soft, grey, metal window	Good	Cat II	NA	ND
40-WBS-A,B,C	Wallboard system - buildout - wet wall	Good	RACM	NA	ND
41-CB-A,B,C	Cove base 4" black vinyl with adhesive	Good	Cat I	NA	ND
42-GP-A,B,C	Glue pod - brown	Good	Cat II	NA	ND
43-TPL-A,B,C,D,E	Textured plaster - rough texture, walls	Fair	RACM	NA	ND
44-PI-A,B,C	**Pipe insulation - magnesia**	Good	RACM	**985 LF**	**30% Chrysotile**
45-PF-A,B,C	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	Good	RACM	**200 Fittings**	**30% Chrysotile**
46-BM-A,B,C	Brick mortar - beige glazed ceramic block	Good	Cat II	NA	ND
47-IC-A,B,C	Interior caulk - white, hard, on restroom fixtures	Good	Cat II	NA	ND
48-BPI-A,B,C	Bathroom partition insulation - pressed paper	Good	RACM	NA	ND
49-WG-A,B,C	**Window glaze - beige glaze, window in metal door**	Good	Cat II	**11 Windows**	**Point Count: Trace Chrysotile**
50-FT-A,B,C	**Floor tile - 9" black tile, black mastic**	Good	Cat I	**210 SF**	**FT: 2% Chrysotile Mastic: ND**
51-FT-A,B,C	**Floor tile - 9" dark brown, black mastic**	Good	Cat I	**210 SF**	**FT: 2% Chrysotile Mastic: ND**
52-FT-A,B,C	**Floor tile - 9" grey with black streaks, black mastic**	Good	Cat I	**210 SF**	**FT: 7% Chrysotile Mastic: ND**
53-CP-A,B,C	Ceiling panel - 2' white rough texture with foil backing	Good	RACM	NA	ND
54-CP-A,B,C	Ceiling panel - 2' white composite with metal cover	Fair	RACM	NA	ND
55-CP-A,B,C	Ceiling panel - 2'x4' wallboard with vinyl cover	Fair	RACM	NA	ND
56-WP-A,B,C	Water proofing - black spray-on, on walls/ceiling	Good	Cat II	NA	ND
57-GTM-A,B,C	**Gasket material - fiber gaskets between steel fittings**	Good	Cat I	**44 Gaskets**	**10% Chrysotile**

Table 2.4 Summary of Asbestos Bulk Sampling					
Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
58 – NOT USED	NOT USED				
59-TI-A,B,C	**Tank insulation - canvas paper wrapped fiberglass over magnesia block**	Good	RACM	**1 Tank**	**30% Chrysotile**
60-WB-A,B,C	Wallboard - compressor room walls	Good	RACM	NA	ND
61-TPL-A,B,C	**Textured plaster - rough texture, ceiling**	Good	RACM	**180 SF**	**3% Chrysotile**
62-CB-A,B,C	Cove base - 4" grey vinyl with adhesive	Good	Cat II	NA	ND
63-IC-A,B,C	**Interior caulk - grey, hard, perimeter of metal window frame**	Good	Cat II	**650 LF**	**Point Count: 2.25% Chrysotile**
64-VD-A,B,C	**Vibration dampener - white canvas**	Good	RACM	**40 SF**	**20% Chrysotile**
65-CA-A,B,C	**Construction adhesive - black / dark brown, under steel corner guard**	Good	Cat II	**345 SF**	**3% Chrysotile**
66-TPL-A,B,C	Textured plaster - trawled straight	Good	RACM	NA	ND
67-CP-A,B,C	Ceiling panel - Off white pinhole and fissure (large fissure)	Good	RACM	NA	ND
68-PI-A,B,C	Pipe insulation - black, tar tape	Good	RACM	NA	ND
69-BM-A,B,C	Brick mortar - exterior siding red brick	Good	Cat II	NA	ND
70-RI-A,B,C	Rolled-in insulation - plastic wrapped fiberglass duct insulation	Good	RACM	NA	ND
71-CT-A,B,C	Ceiling tile -12" white with 1/4 inch holes	Good	RACM	NA	ND
72-CP-A,B,C	Ceiling panel - yellowish white, pinhole/fissure (small fissure), grey composite material	Good	RACM	NA	ND
73-CP-A,B,C	Ceiling panel - white, various size pinhole texture, beige composite material	Good	RACM	NA	ND
74-CA-A,B,C	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	Good	Cat II	NA	ND
75-IC-A,B,C	Interior caulk - grey duct caulk	Good	Cat II	NA	ND
76-CB-A,B,C	Cove base - 6" black vinyl with adhesive	Good	Cat I	NA	ND
77-WG-A,B,C	Window glaze - black caulk, perimeter of office interior window	Good	Cat II	NA	ND
78 – NOT SAMPLED	**Roof drain fitting - unknown material**	**Good**	***ASSUMED, NOT SAMPLED***		
79-FS-A,B,C	**Vinyl sheeting - Brown/light squares.**	**Good**	Cat I	**265 SF**	**15% Chrysotile**
80-IC-A,B,C	**Interior caulk - Brown caulk - Perimeter of glass block**	**Good**	Cat II	**390 SF**	**Point Count: 1.75% Chrysotile**
81-GM-A,B,C	Ceramic tile, grout, mortar - 2" blue floor tile	Good	Cat II	NA	ND
82-GM-A,B,C	Ceramic tile, grout, mortar - 4" blue wall tile	Good	Cat II	NA	ND
83-IC-A,B,C	Interior caulk - white, seam of counter and backsplash	Good	Cat II	NA	ND

Table 2.4 Summary of Asbestos Bulk Sampling					
Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
84-EJ-A,B,C	Expansion joint - Concrete slab foundation	Good	Cat II	NA	ND
85-CM-A,B,C	Carpet mastic - green	Good	Cat II	NA	ND
86 – NOT SAMPLED	**Transite window sill**	**Good**	***ASSUMED, NOT SAMPLED***		
87-IC-A,B,C	Interior caulk - black, perimeter of aluminum window frames	Good	Cat II	NA	ND
88-FT-A,B,C	Floor tile - 12" wood pattern stick-on tile	Good	Cat I	NA	ND
89-WG-A,B,C	Window glaze - beige glaze on window interior	Fair	Cat II	NA	ND
90-EJ-A,B,C	**Expansion joint - concrete foundation walls**	Good	Cat II	**5 LF**	**8% Chrysotile**
91-EJ-A,B,C	**Expansion joint - brick siding**	Good	Cat II	**300 LF**	**2% Chrysotile**
92-EJ-A,B,C	Expansion joint - between building foundation and concrete walkway	Good	Cat II	NA	ND
93-CC-A,B,C	Concrete chip - exterior concrete	Good	Cat II	NA	ND
94-WP-A,B,C	Water proofing - black spray-on, concrete foundation, mostly below grade	Good	Cat II	NA	ND
95-GBM-A,B,C	Glass block mortar/grout, grey, between glass block window tiles, and around perimeter	Good	Cat II	NA	ND
96-EC-A,B,C	Exterior caulk - grey, perimeter of glass block windows	Good	Cat II	NA	ND
97-WG-A,B,C	**Window glaze - multi-pane steel windows**	**Fair**	Cat II	**1060 LF**	**Point Count: 0.25% Chrysotile**
98-WG-A,B,C	**Window glaze - basement steel windows**	**Fair**	Cat II	**7 Windows**	**Point Count: 0.25% Chrysotile**
99-WG-A,B,C	Window glaze, grey, soft, perimeter of glass window in metal door	Good	Cat II	NA	ND
100-EC-A,B,C	**Exterior caulk - grey, perimeter of door frames**	Good	Cat II	**70 LF**	**7% Chrysotile**
101-EC-A,B,C	Exterior caulk - black, perimeter of door frames	Good	Cat II	NA	ND
102-EC-A,B,C	**Exterior caulk - grey, perimeter of steel multi-pane windows**	Good	Cat II	**725 LF**	**5% Chrysotile**
103-EC-A,B,C	**Exterior caulk - grey, perimeter of steel basement windows**	Good	Cat II	**350 LF**	**6% Chrysotile**
104-EC-A,B,C	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	Good	Cat II	NA	ND
105-RM-A,B,C,D	Roofing materials - flat rubber membrane roof with vapor paper, and various tars	Good	Cat I	NA	ND
106-CC-A,B,C	Concrete chip - 16" concrete walking tiles	Poor	Cat II	NA	ND
107-TC-A,B,C	Terracotta - capstone	Good	Cat II	NA	ND
108-EC-A,B,C	Exterior caulk - grey, between terracotta capstone	Good	Cat II	NA	ND
109-EC-A,B,C	Exterior caulk - black, flashing on parapet wall	Good	Cat II	NA	ND

Table 2.4 Summary of Asbestos Bulk Sampling					
Sample ID	Material	Condition	Friability: RACM, Cat I, Cat II	Estimated Quantity (SF/LF)	Asbestos Content
110-EC-A,B,C	Exterior caulk - black, on penthouse brick flashing	Good	Cat II	NA	ND
111-EC-A,B,C	Exterior caulk - dark grey, perimeter of metal door frame	Good	Cat II	NA	ND
112-EC-A,B,C	Exterior caulk - light grey, penthouse wall penetrations	Good	Cat II	NA	ND
113-EC-A,B,C	Exterior caulk - grey, soft, elastic, on metal pipe insulation	Good	Cat II	NA	ND
114-EC-A,B,C	Exterior caulk - white, soft elastic, on plastic pipe fittings	Good	Cat II	NA	ND
115-EC-A,B,C	Exterior caulk - grey, on roof penetrations, fencing base	Good	Cat II	NA	ND
116-EC-A,B,C	Exterior caulk - grey, seams of concrete capstone	Good	Cat II	NA	ND
117-EC-A,B,C	**Exterior caulk - dark grey, under concrete capstone**	Good	Cat II	**400 SF**	**10% Chrysotile**
118-EC-A,B,C	Exterior caulk - grey, hard, on seams of HVAC vents	Good	Cat II	NA	ND
119-EC-A,B,C	Exterior caulk - pink, hard, on seams of HVAC vents	Good	Cat II	NA	ND
120-EC-A,B,C	Exterior caulk - white, on angle iron above window frame	Good	Cat II	NA	ND
121-EC-A,B,C	**Exterior caulk - grey, on wall vent perimeter**	Good	Cat II	**35 LF**	**5% Chrysotile**
122-EC-A,B,C	**Exterior caulk - black, on parapet wall seams**	Good	Cat II	**800 SF**	**5% Chrysotile**
123-CI-A,B,C,D,E,F,G	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	Good	Cat II	14,106 SF	ND
124-CI-A,B,C,D,E	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**Poor**	**RACM**	**120 SF**	**4% Chrysotile**
RACM – Regulated Asbestos Containing Material SF/LF – Square Foot/Linear Foot		CAT I – Category I Non-Friable CAT II – Category II Non-Friable		NA – Not Applicable ND – Non-Detect	

In the event additional suspect material is discovered during abatement activities, this material should be treated as presumed asbestos-containing material (PACM) in accordance with regulations 29 CFR 1926.1101 and 1910.1001 and other applicable state and local regulations and either sampled to confirm or nullify asbestos content or be treated as ACM and handled accordingly.

2.5 Quality Control

The bulk samples collected by Atlas were submitted for PLM analysis to Environmental Testing Laboratory, Inc. (ETL). located in Romulus, Michigan. ETL performs bulk PLM analysis conforming with EPA-prescribed methodologies, operates in accordance with a written Standard

Operating Procedure and maintains compliance with a formal Quality Assurance (QA) Program. This program follows quality guidelines as documented in third-party accreditation authorities including the NIST National Voluntary Laboratory Accreditation Program (NVLAP). ETL is accredited by NVLAP (Lab Code 201028-0). ETL's internal Quality Control (QC) program includes 10% quality control on all samples received for analysis, proficiency testing and round- robin protocols. A copy of ETL's NVLAP-accreditation certificate is included in **Appendix IV**.

Atlas's inspectors maintain their Asbestos Building Inspector accreditation in compliance with the EPA requirements under 40 CFR 763 and Michigan Compiled Laws (MCL) 338.3403, Sec.3(1)(a) of the Michigan Asbestos Workers Accreditation Act (Act 440, P.A. 1988, as amended). Under authority of Michigan's Department of Licensing and Regulatory Affairs (LARA), MIOSHA's Asbestos Program administers asbestos accreditations. Copies of Atlas's inspectors' Asbestos Building Inspector accreditations are included in **Appendix IV**.

3. POLYCHLORINATED BIPHENYLS SAMPLING

Atlas representative Mr. Andrew DeLodder and Matthew Kreuyer conducted the limited PCB sampling of caulks, mastics, and glazes at the MSU Central Services Building on December 2-9, 2024. The PCB inspection consisted of conducting a visual inspection to identify materials and the sample collection of accessible suspect PCB containing materials.

Materials which are found to contain concentrations of PCBs greater than fifty (50) parts per million (PPM) are regulated under the Toxic Substances Control Act (TSCA) PCB regulations (40 CFR part 761).

The EPA, TSCA regulations prohibit the use of PCBs in caulk and other building materials manufactured with PCBs at levels greater than or equal to 50 ppm, including the continued use of such materials that are already in place. EPA published materials state that "Although the EPA does have enforcement tools that it can use as appropriate where the PCB concentration in the caulk or other materials is above the regulatory limit, EPA is most interested in ensuring that school districts and other building owners undertake the recommended actions to limit exposures to PCBs" and that the "EPA believes that enforcement may not be the most effective tool to reduce health risks when school districts and other building owners follow these recommendations. Thus, such buildings will in most cases be a low priority for enforcement".

3.1 Laboratory Analytical Methodology

Bulk samples were submitted under chain of custody to Quantum Laboratories, Inc. and analyzed per SW-846 utilizing Test Method 8082A.

Copies of the laboratory analytical report and corresponding chain-of-custody forms are included in **Appendix III**. Sample results are reported in parts per million (PPM).

Composite samples of caulks, glazes, and mastics or adhesives were collected and analyzed for PCBs. The laboratory analytical results for the limited PCB sampling conducted at the subject building indicated that one (1) of the five (5) composite material samples were found to contain

PCBs below 50 parts per million (PPM). **Table 1.1.2** above provides a summary of the composite materials that were collected for PCB analysis.

If any additional materials are discovered during renovation/demolition activities, such materials must be assumed to contain PCBs until sampling and analysis proves otherwise.

4. DISCUSSION AND RECOMMENDATIONS

The results of the pre-demolition hazardous materials survey conducted on December 2-9, 2024 and February 26, 2025, in the MSU Central Services building in East Lansing, Michigan 48824, indicated that of the suspect asbestos-containing materials sampled by Atlas, thirty-seven (37) were found to be ACMs (>1%) as defined by the EPA and MIOSHA regulations. Three (3) materials were found to contain asbestos but were <1% after point count analysis. Due to the destructive nature of sampling, five (5) materials were assumed to contain asbestos and should be treated as ACM until sampling proves otherwise. Data tables with corresponding asbestos bulk sampling information are included in **Appendix I**. Asbestos laboratory analytical reports are included in **Appendix III**. ACMs should be removed by a State of Michigan licensed asbestos abatement contractor prior to renovation or demolition activities that would disturb these materials.

It should be noted that additional suspect ACMs, beyond those identified during this survey, may be present in inaccessible areas or spaces concealed by practical and manual means of retrieval. These areas or spaces include, but are not limited to, buried piping, obstructed wall, ceiling, floor cavities, interstitial spaces, concrete or mortar-entombed materials, mechanical pipe gaskets and packings, insulated electrical components, etc. Atlas recommends any suspect ACMs not previously sampled, that are discovered during renovations be sampled to determine asbestos content and addressed accordingly.

The laboratory analytical results for the limited PCB sampling conducted at the subject building indicated that one (1) of the five (5) composite material samples were found to contain PCBs below 50 parts per million (PPM). The laboratory analytical report with corresponding PCB sampling information is included in **Appendix III**.

Atlas conducted a visual assessment for Hazardous and/or Other Regulated Material (ORM) at the subject building and recorded the quantity and location of the items. **Table 1.1.3** above summarized the inventory of ORM listed in the subject building. The field data sheets listing materials noted can be found in **Appendix I**.

This report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos abatement contractors in locating ACM. Under no circumstances is the report to be utilized as a bidding document or as a project specification document.

APPENDIX I
TABLES

HA List

ATLAS

Homogeneous Area Listing

Homogeneous Area Description	HA#	Asbestos
Fire door & frame - metal	1	Assumed
Fire door & frame - wood	2	Assumed
Concrete chip - concrete slab foundation & decks	3	Non Detect
Terrazzo flooring - Grey mix with white, beige, and black stone	4	Non Detect
Brick mortar - CMU block walls	5	Non Detect
Brick mortar - grey glazed ceramic block walls	6	Non Detect
Brick mortar - skim coat on CMU block walls	7	Non Detect
Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	Non Detect
Interior caulk - red, penetrations / void filler	9	Non Detect
Interior caulk - grey, penetrations / void filler	10	Non Detect
Interior caulk - Dark brown, perimeter of door/window frames	11	2% Chrysotile
Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	Non Detect
Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped	13	Non Detect
Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe	14	Non Detect
Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	Non Detect
Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped	16	30 % Chrysotile
Hanger mud - on brown colored paper wrapped fiberglass insulation lines	17	50 % Chrysotile
Pipe insulation - wool felt, blue colored sprinkler lines	18	35 % Chrysotile
Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool	19	50 % Chrysotile
Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	45 % Chrysotile
Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	45 % Chrysotile
Pipe insulation - cork. Note: could be hidden layer of mag inside. Treat as ACM.	22	Cork - Non Detect Mag - Assumed
Cork wall insulation - inside wall between the two block layers	23	Non Detect
Remnants of original cork ceiling insulation with outer black paper layer adhered to concrete ceiling (assoc. with HA-32)	24	2% Chrysotile
Interior caulk - greenish grey, hard, inside electrical boxes	25	10% Chrysotile
Pipe insulation - horse hair bands under metal hangers	26	Non Detect
Floor tile - 12" beige tile with red streaks,	27	Non Detect
Cove base - 4" brown vinyl with adhesive	28	Non Detect
Ceiling panel - 2' white pinhole/fissure texture	29	Non Detect
Brick mortar - 12"x4" concrete bricks	30	Non Detect
Brick mortar - 2"x6" concrete bricks	31	Non Detect
Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)	32	3% Chrysotile
Window glaze - grey caulk	33	Non Detect
Tank insulation	34	30% Chrysotile
Window glaze - black, on door window	35	Non Detect
Floor tile - 12" light brown with mottle, box of tile	36	Non Detect
Floor tile - 12" white with black streaks, box of tile	37	Non Detect
Window glaze - White glaze, metal window leaned against wall	38	3% Chrysotile
Window glaze - soft, grey, metal window	39	Non Detect
Wallboard system - buildout - wet wall	40	Non Detect
Cove base 4" black vinyl with adhesive	41	Non Detect
Glue pod - brown	42	Non Detect
Textured plaster - rough texture, walls	43	Non Detect
Pipe insulation - magnesia	44	30% Chrysotile
Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	30% Chrysotile
Brick mortar - beige glazed ceramic block	46	Non Detect
Interior caulk - white, hard, on restroom fixtures	47	Non Detect
Bathroom partition insulation - pressed paper	48	Non Detect
Window glaze - beige glaze, window in metal door	49	PC: Trace Chrysotile

Homogeneous Area Listing

Homogeneous Area Description	HA#	Asbestos
Floor tile - 9" black tile, black mastic	50	FT: 2% Chrysotile Mastic: ND
Floor tile - 9" dark brown, black mastic	51	FT: 2% Chrysotile Mastic: ND
Floor tile - 9" grey with black streaks, black mastic	52	FT: 2% Chrysotile Mastic: ND
Ceiling panel - 2' white rough texture with foil backing	53	Non Detect
Ceiling panel - 2' white composite with metal cover	54	Non Detect
Ceiling panel - 2'x4' wallboard with vinyl cover	55	Non Detect
Water proofing - black spray-on, on walls/ceiling	56	Non Detect
Gasket material - fiber gaskets between steel fittings	57	10% Chrysotile
NOT USED	58	Non Detect
Tank insulation - canvas paper wrapped fiberglass over magnesia block	59	30% Chrysotile
Wallboard - compressor room walls	60	Non Detect
Textured plaster - rough texture, ceiling	61	3% Chrysotile
Cove base - 4" grey vinyl with adhesive	62	Non Detect
Interior caulk - grey, hard, perimeter of metal window frame	63	2.25% Chrysotile
Vibration dampener - white canvas	64	20% Chrysotile
Construction adhesive - black / dark brown, under steel corner guard	65	3% Chrysotile
Textured plaster - trawled straight	66	Non Detect
Ceiling panel - Off white pinhole and fissure (large fissure)	67	Non Detect
Pipe insulation - black, tar tape	68	Non Detect
Brick mortar - exterior siding red brick	69	Non Detect
Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	Non Detect
Ceiling tile -12" white with 1/4 inch holes	71	Non Detect
Ceiling panel - yellowish white, pinhole/fissure (small fissure), grey composite material	72	Non Detect
Ceiling panel - white, various size pinhole texture, beige composite material	73	Non Detect
Construction adhesive - black, behind plastic wall guards, dripping down wall surface	74	Non Detect
Interior caulk - grey duct caulk	75	Non Detect
Cove base - 6" black vinyl with adhesive	76	Non Detect
Window glaze - black caulk, perimeter of office interior window	77	Non Detect
Roof drain fitting - unknown material	78	Assumed
Vinyl sheeting - Brown/light squares.	79	15% Chrysotile
Interior caulk - Brown caulk - Perimeter of glass block	80	1.75% Chrysotile
Ceramic tile, grout, mortar - 2" blue floor tile	81	Non Detect
Ceramic tile, grout, mortar - 4" blue wall tile	82	Non Detect
Interior caulk - white, seam of counter and backsplash	83	Non Detect
Expansion joint - Concrete slab foundation	84	Non Detect
Carpet mastic - green	85	Non Detect
Transite window sill	86	Assumed
Interior caulk - black, perimeter of aluminum window frames	87	Non Detect
Floor tile - 12" wood pattern stick-on tile	88	Non Detect
Window glaze - beige glaze on window interior	89	Non Detect
Expansion joint - concrete foundation walls	90	8% Chrysotile
Expansion joint - brick siding, white, alligator cracking pattern	91	2% Chrysotile
Expansion joint - between building foundation and concrete walkway	92	Non Detect
Concrete chip - exterior concrete	93	Non Detect
Water proofing - black spray-on, concrete foundation, mostly below grade	94	Non Detect
Glass block mortar/grout, grey, between glass block window tiles, and around	95	Non Detect
Exterior caulk - grey, perimeter of glass block windows	96	Non Detect

Homogeneous Area Description	HA#	Asbestos
Window glaze - multi-pane steel windows	97	Point Count: 0.25% Chrysotile
Window glaze - basement steel windows	98	Point Count: 0.25% Chrysotile
Window glaze, grey, soft, perimeter of glass window in metal door	99	Non Detect
Exterior caulk - grey, perimeter of door frames	100	7% Chrysotile
Exterior caulk - black, perimeter of door frames	101	Non Detect
Exterior caulk - grey, perimeter of steel multi-pane windows	102	5% Chrysotile
Exterior caulk - grey, perimeter of steel basement windows	103	6% Chrysotile
Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	104	Non Detect
Roofing materials - flat rubber membrane roof with vapor paper, and various tars	105	Non Detect
Concrete chip - 16" concrete walking tiles	106	Non Detect
Terracotta - capstone	107	Non Detect
Exterior caulk - grey, between terracotta capstone	108	Non Detect
Exterior caulk - black, flashing on parapet wall	109	Non Detect
Exterior caulk - black, on penthouse brick flashing	110	Non Detect
Exterior caulk - dark grey, perimeter of metal door frame	111	Non Detect
Exterior caulk - light grey, penthouse wall penetrations	112	Non Detect
Exterior caulk - grey, soft, elastic, on metal pipe insulation	113	Non Detect
Exterior caulk - white, soft elastic, on plastic pipe fittings	114	Non Detect
Exterior caulk - grey, on roof penetrations, fencing base	115	Non Detect
Exterior caulk - grey, seams of concrete capstone	116	Non Detect
Exterior caulk - dark grey, under concrete capstone	117	10% Chrysotile
Exterior caulk - grey, hard, on seams of HVAC vents	118	Non Detect
Exterior caulk - pink, hard, on seams of HVAC vents	119	Non Detect
Exterior caulk - white, on angle iron above window frame	120	Non Detect
Exterior caulk - grey, on wall vent perimeter	121	5% Chrysotile
Exterior caulk - black, on parapet wall seams	122	5% Chrysotile
Cork insulation, remnants (cork & cork adhesive on concrete)	123	Non Detect
Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, associated with HA-123 (and HA-24 which was previously abated).	124	4% Chrysotile

FS List

ATLAS

Functional Space Listing

FS#	FS Description	Al Amo	Floor	Wing
1	Hallway - BHW1		Basement	South
2	Cooler entrance - Room 2		Basement	South
3	Cooler - Room 2A		Basement	South
4	Cooler - Room 2B		Basement	South
5	Cooler - Room 3B		Basement	South
6	Tech room - Room 3A		Basement	South
7	Mechanical - Room 3		Basement	South
8	Storage room - Room 4		Basement	South
9	Storage room - Room 5		Basement	South
10	Cooler entrance - Room 6		Basement	South
11	Cooler - Room 6A		Basement	South
12	Cooler - Room 6B		Basement	South
13	Cooler Room 6C		Basement	South
14	Storage room - Room 7		Basement	South
15	Storage room 7A		Basement	South
16	Stairwell - SW1		Basement	South
17	Stairwell - SW3		Basement	South
18	Elevator shaft		Basement	South
19	Room BHW2		Basement	North
20	Men's restroom - Room 12		Basement	North
21	Women's restroom -Room 13		Basement	North
22	Storage - Room 14		Basement	North
23	Room 15 & 15C		Basement	North
24	Room 15B		Basement	North
25	Room 15A		Basement	North
26	Storage room - Room 16 & 16A		Basement	North
27	Mechanical - Room 17 & 17A		Basement	North
28	Stairwell - SW4		Basement	North
29	Room 101		1st Floor	South
30	Room 101A		1st Floor	South
31	Room 101B		1st Floor	South
32	Room 101C		1st Floor	South
33	Room 101D		1st Floor	South
34	Room 102A		1st Floor	South
35	Room 102		1st Floor	South
36	Room 103		1st Floor	South
37	Room 103A		1st Floor	South
38	Room 104		1st Floor	South
39	Hallway 1HW1		1st Floor	South
40	Room 105		1st Floor	South
41	Room 105B		1st Floor	South
42	Room 105A		1st Floor	South
43	Receiving - Room 106, 106A, & 106B		1st Floor	South
44	Receiving - Room 106C		1st Floor	South
45	Room 111		1st Floor	North
46	Hallway 1HW2		1st Floor	North
47	Hallway 1HW3		1st Floor	North
48	Room 115		1st Floor	North
49	Room 117, 117A, & 117B		1st Floor	North
50	Room 124		1st Floor	North
51	Room 120		1st Floor	North

FS#	FS Description	Amo	Floor	Wing
52	Room 120A		1st Floor	North
53	Room 121		1st Floor	North
54	Room 122		1st Floor	North
55	Room 123		1st Floor	North
56	Room 148A		1st Floor	North
57	Hallway 1HW4 & 135		1st Floor	North
58	Room 150		1st Floor	North
59	Women's restroom - Room 146		1st Floor	North
60	Room 152 & 154		1st Floor	North
61	Room 144		1st Floor	North
62	Men's restroom - Room 142		1st Floor	North
63	Closet - Room 140		1st Floor	North
64	Room 134		1st Floor	North
65	Room 139		1st Floor	North
66	Room 138		1st Floor	North
67	Room 136		1st Floor	North
68	Room 135A		1st Floor	North
69	Room 201, 201A,210, 210A, 210B		2nd Floor	South
70	Room 206		2nd Floor	South
71	Men's restroom - Room 207		2nd Floor	South
72	Women's restroom - Room 209		2nd Floor	South
73	Hallway 2HW1		2nd Floor	South
74	Janitorial closet - Room 208		2nd Floor	South
75	Room 114		1st Floor	South
76	Hallway 3HW1		3rd Floor	South
77	Room 306		3rd Floor	South
78	Room 301 & 301A		3rd Floor	South
79	Room 302 & 302A		3rd Floor	South
80	Room 302B		3rd Floor	South
81	Room 303		3rd Floor	South
82	Room 304		3rd Floor	South
83	Restroom - Room 305		3rd Floor	South
84	Penthouse		3rd Fl. / Roof	South
EA-1	East side of the building exterior		NA	NA
EA-2	North side of the building exterior		NA	NA
EA-3	West side of building exterior		NA	NA
EA-4	South side of building exterior		NA	NA
EA-5	Roof		Roof	NA

List by Homogeneous Area

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
1	Hallway - BHW1	B	Fire door & frame - metal	1	2	Each	Good		Assumed
2	Cooler entrance - Room 2	B	Fire door & frame - metal	1	1	Each	Good		Assumed
7	Mechanical - Room 3	B	Fire door & frame - metal	1	1	Each	Good		Assumed
8	Storage room - Room 4	B	Fire door & frame - metal	1	1	Each	Good		Assumed
9	Storage room - Room 5	B	Fire door & frame - metal	1	1	Each	Good		Assumed
16	Stairwell - SW1	S	Fire door & frame - metal	1	8	Each	Good		Assumed
17	Stairwell - SW3	S	Fire door & frame - metal	1	8	Each	Good		Assumed
19	Room BHW2	B	Fire door & frame - metal	1	3	Each	Good		Assumed
20	Men's restroom - Room 12	B	Fire door & frame - metal	1	1	Each	Good		Assumed
21	Women's restroom -Room 13	B	Fire door & frame - metal	1	2	Each	Good		Assumed
23	Room 15 & 15C	B	Fire door & frame - metal	1	2	Each	Good		Assumed
24	Room 15B	B	Fire door & frame - metal	1	4	Each	Good		Assumed
25	Room 15A	B	Fire door & frame - metal	1	2	Each	Good		Assumed
26	Storage room - Room 16 & 16A	B	Fire door & frame - metal	1	6	Each	Good		Assumed
27	Mechanical - Room 17 & 17A	B	Fire door & frame - metal	1	2	Each	Good		Assumed
28	Stairwell - SW4	S	Fire door & frame - metal	1	2	Each	Good		Assumed
34	Room 102A	1	Fire door & frame - metal	1	1	Each	Good		Assumed
35	Room 102	1	Fire door & frame - metal	1	2	Each	Good		Assumed
36	Room 103	1	Fire door & frame - metal	1	2	Each	Good		Assumed
37	Room 103A	1	Fire door & frame - metal	1	1	Each	Good		Assumed
38	Room 104	1	Fire door & frame - metal	1	1	Each	Good		Assumed
43	Receiving - Room 106, 106A, & 106B	1	Fire door & frame - metal	1	2	Each	Good		Assumed
44	Receiving - Room 106C	1	Fire door & frame - metal	1	1	Each	Good		Assumed
45	Room 111	1	Fire door & frame - metal	1	1	Each	Good		Assumed
46	Hallway 1HW2	1	Fire door & frame - metal	1	2	Each	Good		Assumed
47	Hallway 1HW3	1	Fire door & frame - metal	1	2	Each	Good	35x9	Assumed
48	Room 115	1	Fire door & frame - metal	1	2	Each	Good		Assumed
49	Room 117, 117A, & 117B	1	Fire door & frame - metal	1	3	Each	Good		Assumed
51	Room 120	1	Fire door & frame - metal	1	2	Each	Good		Assumed
52	Room 120A	1	Fire door & frame - metal	1	1	Each	Good		Assumed
53	Room 121	1	Fire door & frame - metal	1	2	Each	Good		Assumed

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
53	Room 122	1	Fire door & frame - metal	1	2	Each	Good		Assumed
55	Room 123	1	Fire door & frame - metal	1	3	Each	Good		Assumed
68	Room 135A	1	Fire door & frame - metal	1	1	Each	Good		Assumed
69	Room 201, 201A,210, 210A, 210B	2	Fire door & frame - metal	1	5	Each	Good		Assumed
70	Room 206	2	Fire door & frame - metal	1	3	Each	Good		Assumed
75	Room 114	1	Fire door & frame - metal	1	1	Each	Good		Assumed
76	Hallway 3HW1	3	Fire door & frame - metal	1	2	Each	Good		Assumed
77	Room 306	3	Fire door & frame - metal	1	2	Each	Good		Assumed
78	Room 301 & 301A	3	Fire door & frame - metal	1	2	Each	Good		Assumed
79	Room 302 & 302A	3	Fire door & frame - metal	1	1	Each	Good		Assumed
80	Room 302B	3	Fire door & frame - metal	1	1	Each	Good		Assumed
81	Room 303	3	Fire door & frame - metal	1	1	Each	Good		Assumed
84	Penthouse	3	Fire door & frame - metal	1	2	Each	Good		Assumed
22	Storage - Room 14	B	Fire door & frame - wood	2	1	Each	Good		Assumed
29	Room 101	1	Fire door & frame - wood	2	3	Each	Good		Assumed
56	Room 148A	1	Fire door & frame - wood	2	1	Each	Good		Assumed
59	Women's restroom - Room 146	1	Fire door & frame - wood	2	1	Each	Good		Assumed
60	Room 152 & 154	1	Fire door & frame - wood	2	3	Each	Good		Assumed
61	Room 144	1	Fire door & frame - wood	2	1	Each	Good		Assumed
62	Men's restroom - Room 142	1	Fire door & frame - wood	2	2	Each	Good		Assumed
63	Closet - Room 140	1	Fire door & frame - wood	2	1	Each	Good		Assumed
64	Room 134	1	Fire door & frame - wood	2	1	Each	Good		Assumed
65	Room 139	1	Fire door & frame - wood	2	1	Each	Good		Assumed
66	Room 138	1	Fire door & frame - wood	2	1	Each	Good		Assumed
67	Room 136	1	Fire door & frame - wood	2	1	Each	Good		Assumed
68	Room 135A	1	Fire door & frame - wood	2	1	Each	Good		Assumed
79	Room 302 & 302A	3	Fire door & frame - wood	2	2	Each	Good		Assumed
80	Room 302B	3	Fire door & frame - wood	2	1	Each	Good		Assumed
1	Hallway - BHW1	B	Concrete chip - concrete slab foundation & decks	3	600	SF	Good	9x70x11	Non Detect
2	Cooler entrance - Room 2	B	Concrete chip - concrete slab foundation & decks	3	200	SF	Good	9x21	Non Detect
3	Cooler - Room 2A	B	Concrete chip - concrete slab foundation & decks	3	1925	SF	Good	40x40	Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
4	Cooler - Room 2B	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good	30x21	Non Detect
5	Cooler - Room 3B	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good		Non Detect
6	Tech room - Room 3A	B	Concrete chip - concrete slab foundation & decks	3	100	SF	Good		Non Detect
7	Mechanical - Room 3	B	Concrete chip - concrete slab foundation & decks	3	1290	SF	Good	30x43	Non Detect
8	Storage room - Room 4	B	Concrete chip - concrete slab foundation & decks	3	650	SF	Good	28x14	Non Detect
9	Storage room - Room 5	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Concrete chip - concrete slab foundation & decks	3	200	SF	Good	9x21	Non Detect
11	Cooler - Room 6A	B	Concrete chip - concrete slab foundation & decks	3	700	SF	Good	40x18	Non Detect
12	Cooler - Room 6B	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good		Non Detect
13	Cooler Room 6C	B	Concrete chip - concrete slab foundation & decks	3	1925	SF	Good		Non Detect
14	Storage room - Room 7	B	Concrete chip - concrete slab foundation & decks	3	250	SF	Good	25x10	Non Detect
15	Storage room 7A	B	Concrete chip - concrete slab foundation & decks	3	250	SF	Good		Non Detect
16	Stairwell - SW1	S	Concrete chip - concrete slab foundation & decks	3	1200	SF	Good	30x9x80	Non Detect
17	Stairwell - SW3	S	Concrete chip - concrete slab foundation & decks	3	1200	SF	Good		Non Detect
18	Elevator shaft	E	Concrete chip - concrete slab foundation & decks	3	150	SF	Good		Non Detect
19	Room BHW2	B	Concrete chip - concrete slab foundation & decks	3	1290	SF	Good	20x22	Non Detect
20	Men's restroom - Room 12	B	Concrete chip - concrete slab foundation & decks	3	170	SF	Good	17x9	Non Detect
21	Women's restroom -Room 13	B	Concrete chip - concrete slab foundation & decks	3	230	SF	Good		Non Detect
22	Storage - Room 14	B	Concrete chip - concrete slab foundation & decks	3	275	SF	Good	13x18	Non Detect
23	Room 15 & 15C	B	Concrete chip - concrete slab foundation & decks	3	910	SF	Good		Non Detect
24	Room 15B	B	Concrete chip - concrete slab foundation & decks	3	5300	SF	Good	60x88	Non Detect
25	Room 15A	B	Concrete chip - concrete slab foundation & decks	3	2260	SF	Good		Non Detect
26	Storage room - Room 16 & 16A	B	Concrete chip - concrete slab foundation & decks	3	510	SF	Good	14x36	Non Detect
27	Mechanical - Room 17 & 17A	B	Concrete chip - concrete slab foundation & decks	3	700	SF	Good	17x11	Non Detect
28	Stairwell - SW4	S	Concrete chip - concrete slab foundation & decks	3	585	SF	Good		Non Detect
29	Room 101	1	Concrete chip - concrete slab foundation & decks	3	400	SF	Good	10x40	Non Detect
30	Room 101A	1	Concrete chip - concrete slab foundation & decks	3	705	SF	Good	18x39	Non Detect
31	Room 101B	1	Concrete chip - concrete slab foundation & decks	3	300	SF	Good	10x30	Non Detect
32	Room 101C	1	Concrete chip - concrete slab foundation & decks	3	680	SF	Good		Non Detect
33	Room 101D	1	Concrete chip - concrete slab foundation & decks	3	990	SF	Good	32x26	Non Detect
34	Room 102A	1	Concrete chip - concrete slab foundation & decks	3	290	SF	Good	15x20	Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
35	Room 102	1	Concrete chip - concrete slab foundation & decks	3	270	SF	Good	15x20	Non Detect
36	Room 103	1	Concrete chip - concrete slab foundation & decks	3	150	SF	Good		Non Detect
37	Room 103A	1	Concrete chip - concrete slab foundation & decks	3	136	SF	Good		Non Detect
38	Room 104	1	Concrete chip - concrete slab foundation & decks	3	280	SF	Good	20x14	Non Detect
39	Hallway 1HW1	1	Concrete chip - concrete slab foundation & decks	3	840	SF	Good		Non Detect
40	Room 105	1	Concrete chip - concrete slab foundation & decks	3	1660	SF	Good		Non Detect
41	Room 105B	1	Concrete chip - concrete slab foundation & decks	3	360	SF	Good		Non Detect
42	Room 105A	1	Concrete chip - concrete slab foundation & decks	3	920	SF	Good		Non Detect
43	Receiving - Room 106, 106A, & 106B	1	Concrete chip - concrete slab foundation & decks	3	1545	SF	Good		Non Detect
44	Receiving - Room 106C	1	Concrete chip - concrete slab foundation & decks	3	1000	SF	Good		Non Detect
45	Room 111	1	Concrete chip - concrete slab foundation & decks	3	295	SF	Good		Non Detect
46	Hallway 1HW2	1	Concrete chip - concrete slab foundation & decks	3	610	SF	Good		Non Detect
47	Hallway 1HW3	1	Concrete chip - concrete slab foundation & decks	3	300	SF	Good		Non Detect
48	Room 115	1	Concrete chip - concrete slab foundation & decks	3	500	SF	Good	15x23	Non Detect
49	Room 117, 117A, & 117B	1	Concrete chip - concrete slab foundation & decks	3	3110	SF	Good		Non Detect
50	Room 124	1	Concrete chip - concrete slab foundation & decks	3	205	SF	Good		Non Detect
51	Room 120	1	Concrete chip - concrete slab foundation & decks	3	880	SF	Good		Non Detect
52	Room 120A	1	Concrete chip - concrete slab foundation & decks	3	70	SF	Good		Non Detect
53	Room 121	1	Concrete chip - concrete slab foundation & decks	3	265	SF	Good		Non Detect
54	Room 122	1	Concrete chip - concrete slab foundation & decks	3	160	SF	Good		Non Detect
55	Room 123	1	Concrete chip - concrete slab foundation & decks	3	680	SF	Good	40x17	Non Detect
56	Room 148A	1	Concrete chip - concrete slab foundation & decks	3	270	SF	Good	19x14	Non Detect
57	Hallway 1HW4 & 135	1	Concrete chip - concrete slab foundation & decks	3	325	SF	Good		Non Detect
58	Room 150	1	Concrete chip - concrete slab foundation & decks	3	310	SF	Good	15x18	Non Detect
59	Women's restroom - Room 146	1	Concrete chip - concrete slab foundation & decks	3	108	SF	Good		Non Detect
60	Room 152 & 154	1	Concrete chip - concrete slab foundation & decks	3	285	SF	Good		Non Detect
61	Room 144	1	Concrete chip - concrete slab foundation & decks	3	35	SF	Good		Non Detect
62	Men's restroom - Room 142	1	Concrete chip - concrete slab foundation & decks	3	240	SF	Good		Non Detect
63	Closet - Room 140	1	Concrete chip - concrete slab foundation & decks	3	35	SF	Good		Non Detect
64	Room 134	1	Concrete chip - concrete slab foundation & decks	3	240	SF	Good		Non Detect
65	Room 139	1	Concrete chip - concrete slab foundation & decks	3	75	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
66	Room 138	1	Concrete chip - concrete slab foundation & decks	3	200	SF	Good		Non Detect
67	Room 136	1	Concrete chip - concrete slab foundation & decks	3	175	SF	Good		Non Detect
68	Room 135A	1	Concrete chip - concrete slab foundation & decks	3	135	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Concrete chip - concrete slab foundation & decks	3	7,460	SF	Good		Non Detect
70	Room 206	2	Concrete chip - concrete slab foundation & decks	3	2,690	SF	Good		Non Detect
71	Men's restroom - Room 207	2	Concrete chip - concrete slab foundation & decks	3	126	SF	Good		Non Detect
72	Women's restroom - Room 209	2	Concrete chip - concrete slab foundation & decks	3	330	SF	Good		Non Detect
73	Hallway 2HW1	2	Concrete chip - concrete slab foundation & decks	3	360	SF	Good		Non Detect
74	Janitorial closet - Room 208	2	Concrete chip - concrete slab foundation & decks	3	55	SF	Good		Non Detect
75	Room 114	1	Concrete chip - concrete slab foundation & decks	3	150	SF	Good		Non Detect
76	Hallway 3HW1	3	Concrete chip - concrete slab foundation & decks	3	690	SF	Good		Non Detect
77	Room 306	3	Concrete chip - concrete slab foundation & decks	3	3,165	SF	Good		Non Detect
78	Room 301 & 301A	3	Concrete chip - concrete slab foundation & decks	3	2,030	SF	Good		Non Detect
79	Room 302 & 302A	3	Concrete chip - concrete slab foundation & decks	3	3,275	SF	Good		Non Detect
80	Room 302B	3	Concrete chip - concrete slab foundation & decks	3	1,560	SF	Good		Non Detect
81	Room 303	3	Concrete chip - concrete slab foundation & decks	3	1,200	SF	Good		Non Detect
82	Room 304	3	Concrete chip - concrete slab foundation & decks	3	80	SF	Good		Non Detect
83	Restroom - Room 305	3	Concrete chip - concrete slab foundation & decks	3	415	SF	Good		Non Detect
84	Penthouse	3	Concrete chip - concrete slab foundation & decks	3	80	SF	Good		Non Detect
1	Hallway - BHW1	B	Terrazzo flooring - Grey mix with white, beige, and black stone	4	155	SF	Good		Non Detect
16	Stairwell - SW1	S	Terrazzo flooring - Grey mix with white, beige, and black stone	4	720	SF	Good		Non Detect
17	Stairwell - SW3	S	Terrazzo flooring - Grey mix with white, beige, and black stone	4	720	SF	Good		Non Detect
28	Stairwell - SW4	S	Terrazzo flooring - Grey mix with white, beige, and black stone	4	425	SF	Good		Non Detect
39	Hallway 1HW1	1	Terrazzo flooring - Grey mix with white, beige, and black stone	4	100	SF	Good		Non Detect
70	Room 206	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	20	SF	Good		Non Detect
71	Men's restroom - Room 207	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	126	SF	Good		Non Detect
72	Women's restroom - Room 209	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	126	SF	Good		Non Detect
73	Hallway 2HW1	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	100	SF	Good		Non Detect
76	Hallway 3HW1	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	40	SF	Good		Non Detect
80	Room 302B	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	20	SF	Good		Non Detect
81	Room 303	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	155	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
83	Restroom - Room 305	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	415	SF	Good		Non Detect
1	Hallway - BHW1	B	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
6	Tech room - Room 3A	B	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
7	Mechanical - Room 3	B	Brick mortar - CMU block walls	5	200	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Brick mortar - CMU block walls	5	10	SF	Good		Non Detect
14	Storage room - Room 7	B	Brick mortar - CMU block walls	5	700	SF	Good		Non Detect
15	Storage room 7A	B	Brick mortar - CMU block walls	5	700	SF	Good		Non Detect
16	Stairwell - SW1	S	Brick mortar - CMU block walls	5	3200	SF	Good		Non Detect
17	Stairwell - SW3	S	Brick mortar - CMU block walls	5	3200	SF	Good		Non Detect
18	Elevator shaft	E	Brick mortar - CMU block walls	5	1600	SF	Good		Non Detect
22	Storage - Room 14	B	Brick mortar - CMU block walls	5	620	SF	Good		Non Detect
23	Room 15 & 15C	B	Brick mortar - CMU block walls	5	1220	SF	Good		Non Detect
24	Room 15B	B	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
26	Storage room - Room 16 & 16A	B	Brick mortar - CMU block walls	5	280	SF	Good		Non Detect
27	Mechanical - Room 17 & 17A	B	Brick mortar - CMU block walls	5	220	SF	Good		Non Detect
28	Stairwell - SW4	S	Brick mortar - CMU block walls	5	210	SF	Good		Non Detect
39	Hallway 1HW1	1	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
43	Receiving - Room 106, 106A, & 106B	1	Brick mortar - CMU block walls	5	1500	SF	Good		Non Detect
44	Receiving - Room 106C	1	Brick mortar - CMU block walls	5	1600	SF	Good		Non Detect
46	Hallway 1HW2	1	Brick mortar - CMU block walls	5	2520	SF	Good		Non Detect
47	Hallway 1HW3	1	Brick mortar - CMU block walls	5	1350	SF	Good		Non Detect
48	Room 115	1	Brick mortar - CMU block walls	5	500	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Brick mortar - CMU block walls	5	1800	SF	Good		Non Detect
50	Room 124	1	Brick mortar - CMU block walls	5	600	SF	Good		Non Detect
51	Room 120	1	Brick mortar - CMU block walls	5	1800	SF	Good		Non Detect
52	Room 120A	1	Brick mortar - CMU block walls	5	450	SF	Good		Non Detect
54	Room 122	1	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
55	Room 123	1	Brick mortar - CMU block walls	5	1000	SF	Good		Non Detect
56	Room 148A	1	Brick mortar - CMU block walls	5	660	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Brick mortar - CMU block walls	5	1750	SF	Good		Non Detect
58	Room 150	1	Brick mortar - CMU block walls	5	620	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
59	Women's restroom - Room 146	1	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
60	Room 152 & 154	1	Brick mortar - CMU block walls	5	460	SF	Good		Non Detect
61	Room 144	1	Brick mortar - CMU block walls	5	150	SF	Good		Non Detect
62	Men's restroom - Room 142	1	Brick mortar - CMU block walls	5	325	SF	Good		Non Detect
63	Closet - Room 140	1	Brick mortar - CMU block walls	5	280	SF	Good		Non Detect
64	Room 134	1	Brick mortar - CMU block walls	5	700	LF	Good		Non Detect
65	Room 139	1	Brick mortar - CMU block walls	5	215	SF	Good		Non Detect
66	Room 138	1	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
67	Room 136	1	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
68	Room 135A	1	Brick mortar - CMU block walls	5	340	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Brick mortar - CMU block walls	5	425	SF	Good		Non Detect
70	Room 206	2	Brick mortar - CMU block walls	5	25	SF	Good		Non Detect
73	Hallway 2HW1	2	Brick mortar - CMU block walls	5	150	SF	Good		Non Detect
76	Hallway 3HW1	3	Brick mortar - CMU block walls	5	35	SF	Good		Non Detect
78	Room 301 & 301A	3	Brick mortar - CMU block walls	5	3,465	SF	Good		Non Detect
79	Room 302 & 302A	3	Brick mortar - CMU block walls	5	2,765	SF	Good		Non Detect
80	Room 302B	3	Brick mortar - CMU block walls	5	80	SF	Good		Non Detect
81	Room 303	3	Brick mortar - CMU block walls	5	80	SF	Good		Non Detect
1	Hallway - BHW1	B	Brick mortar - grey glazed ceramic block walls	6	1300	SF	Good		Non Detect
2	Cooler entrance - Room 2	B	Brick mortar - grey glazed ceramic block walls	6	465	SF	Good		Non Detect
3	Cooler - Room 2A	B	Brick mortar - grey glazed ceramic block walls	6	1600	SF	Good		Non Detect
4	Cooler - Room 2B	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
5	Cooler - Room 3B	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
9	Storage room - Room 5	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Brick mortar - grey glazed ceramic block walls	6	600	SF	Good		Non Detect
11	Cooler - Room 6A	B	Brick mortar - grey glazed ceramic block walls	6	1200	SF	Good		Non Detect
12	Cooler - Room 6B	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
13	Cooler Room 6C	B	Brick mortar - grey glazed ceramic block walls	6	1600	SF	Good		Non Detect
16	Stairwell - SW1	S	Brick mortar - grey glazed ceramic block walls	6	3200	SF	Good		Non Detect
17	Stairwell - SW3	S	Brick mortar - grey glazed ceramic block walls	6	3200	SF	Good		Non Detect
28	Stairwell - SW4	S	Brick mortar - grey glazed ceramic block walls	6	310	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
29	Room 101	1	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
30	Room 101A	1	Brick mortar - grey glazed ceramic block walls	6	1140	SF	Good		Non Detect
31	Room 101B	1	Brick mortar - grey glazed ceramic block walls	6	800	SF	Good		Non Detect
32	Room 101C	1	Brick mortar - grey glazed ceramic block walls	6	1040	SF	Good		Non Detect
33	Room 101D	1	Brick mortar - grey glazed ceramic block walls	6	1180	SF	Good		Non Detect
34	Room 102A	1	Brick mortar - grey glazed ceramic block walls	6	685	SF	Good		Non Detect
35	Room 102	1	Brick mortar - grey glazed ceramic block walls	6	665	SF	Good		Non Detect
37	Room 103A	1	Brick mortar - grey glazed ceramic block walls	6	440	SF	Good		Non Detect
38	Room 104	1	Brick mortar - grey glazed ceramic block walls	6	680	SF	Good		Non Detect
39	Hallway 1HW1	1	Brick mortar - grey glazed ceramic block walls	6	1700	SF	Good		Non Detect
40	Room 105	1	Brick mortar - grey glazed ceramic block walls	6	1725	SF	Good		Non Detect
41	Room 105B	1	Brick mortar - grey glazed ceramic block walls	6	850	SF	Good		Non Detect
42	Room 105A	1	Brick mortar - grey glazed ceramic block walls	6	1275	SF	Good		Non Detect
76	Hallway 3HW1	3	Brick mortar - grey glazed ceramic block walls	6	1,655	SF	Good		Non Detect
80	Room 302B	3	Brick mortar - grey glazed ceramic block walls	6	145	SF	Good		Non Detect
81	Room 303	3	Brick mortar - grey glazed ceramic block walls	6	450	SF	Good		Non Detect
82	Room 304	3	Brick mortar - grey glazed ceramic block walls	6	165	SF	Good		Non Detect
83	Restroom - Room 305	3	Brick mortar - grey glazed ceramic block walls	6	120	SF	Good		Non Detect
1	Hallway - BHW1	B	Brick mortar - skim coat on CMU block walls	7	10	SF	Good	seam between CMU block and glazed block	Non Detect
10	Cooler entrance - Room 6	B	Brick mortar - skim coat on CMU block walls	7	1	SF	Good		Non Detect
39	Hallway 1HW1	1	Brick mortar - skim coat on CMU block walls	7	10	SF	Good		Non Detect
84	Penthouse	3	Brick mortar - skim coat on CMU block walls	7	320	SF	Good		Non Detect
1	Hallway - BHW1	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	610	SF	Good		Non Detect
2	Cooler entrance - Room 2	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
3	Cooler - Room 2A	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	1600	SF	Good		Non Detect
4	Cooler - Room 2B	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	650	SF	Good		Non Detect
5	Cooler - Room 3B	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	650	SF	Good		Non Detect
9	Storage room - Room 5	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	500	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
11	Cooler - Room 6A	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	700	SF	Good		Non Detect
12	Cooler - Room 6B	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	650	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
13	Cooler Room 6C	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	1600	SF	Good		Non Detect
16	Stairwell - SW1	S	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	400	SF	Good		Non Detect
17	Stairwell - SW3	S	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	400	SF	Good		Non Detect
20	Men's restroom - Room 12	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	155	SF	Good		Non Detect
21	Women's restroom -Room 13	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	230	SF	Good		Non Detect
29	Room 101	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	400	SF	Good		Non Detect
30	Room 101A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	705	SF	Good		Non Detect
31	Room 101B	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	300	SF	Good		Non Detect
32	Room 101C	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	680	SF	Good		Non Detect
33	Room 101D	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	990	SF	Good		Non Detect
34	Room 102A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	290	SF	Good		Non Detect
35	Room 102	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	270	SF	Good		Non Detect
36	Room 103	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	150	SF	Good		Non Detect
37	Room 103A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	136	SF	Good		Non Detect
38	Room 104	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	268	SF	Good		Non Detect
39	Hallway 1HW1	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	740	SF	Good		Non Detect
40	Room 105	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	1660	SF	Good		Non Detect
41	Room 105B	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	360	SF	Good		Non Detect
42	Room 105A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	920	SF	Good		Non Detect
45	Room 111	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	295	SF	Good		Non Detect
46	Hallway 1HW2	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	610	SF	Good		Non Detect
47	Hallway 1HW3	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	300	SF	Good		Non Detect
48	Room 115	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	500	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	3100	SF	Good		Non Detect
50	Room 124	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	205	SF	Good		Non Detect
51	Room 120	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	880	SF	Good		Non Detect
52	Room 120A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	70	SF	Good		Non Detect
54	Room 122	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	15	SF	Good		Non Detect
56	Room 148A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	270	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	325	SF	Good		Non Detect
58	Room 150	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	310	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
60	Room 152 & 154	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	285	SF	Good		Non Detect
61	Room 144	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	35	SF	Good		Non Detect
64	Room 134	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	240	SF	Good		Non Detect
65	Room 139	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	75	SF	Good		Non Detect
66	Room 138	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
67	Room 136	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	175	SF	Good		Non Detect
68	Room 135A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	60	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	2,800	SF	Good		Non Detect
70	Room 206	2	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
75	Room 114	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	150	SF	Good		Non Detect
76	Hallway 3HW1	3	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	600	SF	Good		Non Detect
1	Hallway - BHW1	B	Interior caulk - red, penetrations / void filler	9	15	LF	Good		Non Detect
7	Mechanical - Room 3	B	Interior caulk - red, penetrations / void filler	9	10	LF	Good		Non Detect
8	Storage room - Room 4	B	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
9	Storage room - Room 5	B	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
10	Cooler entrance - Room 6	B	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
11	Cooler - Room 6A	B	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
14	Storage room - Room 7	B	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
15	Storage room 7A	B	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
16	Stairwell - SW1	S	Interior caulk - red, penetrations / void filler	9	20	SF	Good		Non Detect
17	Stairwell - SW3	S	Interior caulk - red, penetrations / void filler	9	20	SF	Good		Non Detect
29	Room 101	1	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
39	Hallway 1HW1	1	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
48	Room 115	1	Interior caulk - red, penetrations / void filler	9	15	LF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - red, penetrations / void filler	9	80	LF	Good		Non Detect
72	Women's restroom - Room 209	2	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
73	Hallway 2HW1	2	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
74	Janitorial closet - Room 208	2	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
76	Hallway 3HW1	3	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
77	Room 306	3	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
78	Room 301 & 301A	3	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
79	Room 302 & 302A	3	Interior caulk - red, penetrations / void filler	9	1	LF	Good		Non Detect
80	Room 302B	3	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
81	Room 303	3	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
1	Hallway - BHW1	B	Interior caulk - grey, penetrations / void filler	10	15	LF	Good		Non Detect
6	Tech room - Room 3A	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
7	Mechanical - Room 3	B	Interior caulk - grey, penetrations / void filler	10	10	LF	Good		Non Detect
8	Storage room - Room 4	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
9	Storage room - Room 5	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
10	Cooler entrance - Room 6	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
78	Room 301 & 301A	3	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
79	Room 302 & 302A	3	Interior caulk - grey, penetrations / void filler	10	1	LF	Good		Non Detect
80	Room 302B	3	Interior caulk - grey, penetrations / void filler	10	1	SF	Good		Non Detect
81	Room 303	3	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
1	**Hallway - BHW1**	**B**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**215**	**LF**	**Good**		**2% Chrysotile**
9	**Storage room - Room 5**	**B**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
34	**Room 102A**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**80**	**LF**	**Good**		**2% Chrysotile**
35	**Room 102**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**80**	**LF**	**Good**		**2% Chrysotile**
36	**Room 103**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**90**	**LF**	**Good**		**2% Chrysotile**
37	**Room 103A**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**90**	**SF**	**Good**		**2% Chrysotile**
38	**Room 104**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**50**	**LF**	**Good**		**2% Chrysotile**
39	**Hallway 1HW1**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**155**	**LF**	**Good**		**2% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
71	**Men's restroom - Room 207**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**40**	**LF**	**Good**		**2% Chrysotile**
72	**Women's restroom - Room 209**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
73	**Hallway 2HW1**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**110**	**LF**	**Good**		**2% Chrysotile**
74	**Janitorial closet - Room 208**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
76	**Hallway 3HW1**	**3**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**50**	**LF**	**Good**		**2% Chrysotile**
1	Hallway - BHW1	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	145	LF	Good		Non Detect
6	Tech room - Room 3A	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect
7	Mechanical - Room 3	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	300	LF	Good		Non Detect
8	Storage room - Room 4	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	60	LF	Good		Non Detect

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9	Storage room - Room 5	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	70	LF	Good		Non Detect
10	Cooler entrance - Room 6	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	45	LF	Good		Non Detect
11	Cooler - Room 6A	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	220	LF	Good		Non Detect
14	Storage room - Room 7	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	25	LF	Good		Non Detect
16	Stairwell - SW1	S	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	120	LF	Good	In build out	Non Detect
21	Women's restroom -Room 13	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect
23	Room 15 & 15C	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	40	LF	Good		Non Detect
29	Room 101	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	10	LF	Good		Non Detect
32	Room 101C	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	30	LF	Good		Non Detect
38	Room 104	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	10	LF	Good		Non Detect
42	Room 105A	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	65	LF	Good		Non Detect
45	Room 111	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	30	LF	Good		Non Detect
48	Room 115	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	70	LF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	105	LF	Good		Non Detect
51	Room 120	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	25	LF	Good		Non Detect
52	Room 120A	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect
56	Room 148A	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	55	LF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	85	LF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	600	LF	Good		Non Detect
70	Room 206	2	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	280	LF	Good		Non Detect
73	Hallway 2HW1	2	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect
76	Hallway 3HW1	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	65	LF	Good		Non Detect
77	Room 306	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	260	LF	Good		Non Detect
78	Room 301 & 301A	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	200	LF	Good		Non Detect
79	Room 302 & 302A	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	65	LF	Good		Non Detect
80	Room 302B	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	270	LF	Good		Non Detect
81	Room 303	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	80	LF	Good		Non Detect
1	Hallway - BHW1	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	18	Each	Good		Non Detect
6	Tech room - Room 3A	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	8	Each	Good		Non Detect
7	Mechanical - Room 3	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	27	Each	Good		Non Detect
8	Storage room - Room 4	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	8	Each	Good		Non Detect

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9	Storage room - Room 5	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	7	Each	Good		Non Detect
10	Cooler entrance - Room 6	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	2	Each	Good		Non Detect
11	Cooler - Room 6A	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	19	Each	Good		Non Detect
14	Storage room - Room 7	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
16	Stairwell - SW1	S	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	18	Each	Good	In build out	Non Detect
21	Women's restroom -Room 13	B	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	2	Each	Good		Non Detect
23	Room 15 & 15C	B	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	4	Each	Good		Non Detect
42	Room 105A	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
45	Room 111	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	9	Each	Good		Non Detect
48	Room 115	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	13	Each	Good		Non Detect
49	Room 117, 117A, & 117B	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	26	Each	Good		Non Detect
51	Room 120	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	4	Each	Good		Non Detect
56	Room 148A	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	3	Each	Good		Non Detect
57	Hallway 1HW4 & 135	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	1,105	Each	Good		Non Detect
70	Room 206	2	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	44	Each	Good		Non Detect
73	Hallway 2HW1	2	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	1	Each	Good		Non Detect
76	Hallway 3HW1	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
77	Room 306	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	40	Each	Good		Non Detect
78	Room 301 & 301A	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	24	LF	Good		Non Detect
79	Room 302 & 302A	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	14	Each	Good		Non Detect
80	Room 302B	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	30	Each	Good		Non Detect
81	Room 303	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
1	Hallway - BHW1	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
7	Mechanical - Room 3	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	20	SF	Good		Non Detect
8	Storage room - Room 4	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
9	Storage room - Room 5	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
11	Cooler - Room 6A	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
14	Storage room - Room 7	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
16	Stairwell - SW1	S	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
48	Room 115	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
56	Room 148A	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	1	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	20	SF	Good		Non Detect
70	Room 206	2	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
76	Hallway 3HW1	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	1	SF	Good		Non Detect
77	Room 306	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
78	Room 301 & 301A	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	12	Each	Good		Non Detect
79	Room 302 & 302A	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
80	Room 302B	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
81	Room 303	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	1	SF	Good		Non Detect
1	Hallway - BHW1	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	185	LF	Good		Non Detect
2	Cooler entrance - Room 2	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect
3	Cooler - Room 2A	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect
4	Cooler - Room 2B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	35	LF	Good		Non Detect
5	Cooler - Room 3B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	75	LF	Good		Non Detect
7	Mechanical - Room 3	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	170	LF	Good		Non Detect
10	Cooler entrance - Room 6	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	20	LF	Good		Non Detect
12	Cooler - Room 6B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	140	LF	Good		Non Detect
13	Cooler Room 6C	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect
24	Room 15B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	400	LF	Good		Non Detect
25	Room 15A	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	115	LF	Good		Non Detect
43	Receiving - Room 106, 106A, & 106B	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	20	LF	Good		Non Detect
46	Hallway 1HW2	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	20	LF	Good		Non Detect
50	Room 124	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	180	LF	Good		Non Detect
51	Room 120	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	35	LF	Good		Non Detect
54	Room 122	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	120	LF	Good		Non Detect
55	Room 123	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	40	LF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	60	LF	Good		Non Detect
74	Janitorial closet - Room 208	2	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
78	Room 301 & 301A	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	45	LF	Good		Non Detect
79	Room 302 & 302A	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	30	LF	Good		Non Detect
80	Room 302B	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	15	LF	Good		Non Detect
81	Room 303	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	85	LF	Good		Non Detect
1	**Hallway - BHW1**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**12**	**Each**	**Good**		**30% Chrysotile**
4	**Cooler - Room 2B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**1**	**Each**	**Good**		**30% Chrysotile**
5	**Cooler - Room 3B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**27**	**Each**	**Good**		**30% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**23**	**Each**	**Good**		**30% Chrysotile**
12	**Cooler - Room 6B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**4**	**Each**	**Good**		**30% Chrysotile**
13	**Cooler Room 6C**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**4**	**Each**	**Good**		**30% Chrysotile**
24	**Room 15B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**84**	**Each**	**Good**		**30% Chrysotile**
25	**Room 15A**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**35**	**Each**	**Good**		**30% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**2**	**Each**	**Good**		**30% Chrysotile**
46	**Hallway 1HW2**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**10**	**Each**	**Good**		**30% Chrysotile**
50	**Room 124**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**18**	**Each**	**Good**		**30% Chrysotile**
54	**Room 122**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**9**	**Each**	**Good**		**30% Chrysotile**
55	**Room 123**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**3**	**Each**	**Good**		**30% Chrysotile**
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**10**	**Each**	**Good**		**30% Chrysotile**
74	**Janitorial closet - Room 208**	**2**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**2**	**Each**	**Fair**		**30% Chrysotile**
78	**Room 301 & 301A**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**12**	**Each**	**Good**		**30% Chrysotile**
79	**Room 302 & 302A**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**9**	**Each**	**Good**		**30% Chrysotile**
80	**Room 302B**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**5**	**Each**	**Good**		**30% Chrysotile**
81	**Room 303**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**13**	**Each**	**Good**		**30% Chrysotile**
1	**Hallway - BHW1**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**9**	**Each**	**Good**		**50% Chrysotile**
2	**Cooler entrance - Room 2**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**1**	**Each**	**Good**		**50% Chrysotile**
4	**Cooler - Room 2B**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**1**	**Each**	**Good**		**50% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**11**	**Each**	**Good**		**50% Chrysotile**
10	**Cooler entrance - Room 6**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**1**	**Each**	**Good**		**50% Chrysotile**
12	**Cooler - Room 6B**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**6**	**Each**	**Good**		**50% Chrysotile**
13	**Cooler Room 6C**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**7**	**Each**	**Good**		**50% Chrysotile**
24	**Room 15B**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**18**	**Each**	**Good**		**50% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
25	Room 15A	B	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	17	5	Each	Good		50% Chrysotile
46	Hallway 1HW2	1	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	17	6	Each	Good		50% Chrysotile
50	Room 124	1	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	17	11	Each	Good		50% Chrysotile
55	Room 123	1	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	17	2	Each	Good		50% Chrysotile
1	Hallway - BHW1	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	135	LF	Good		35% Chrysotile
6	Tech room - Room 3A	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	20	LF	Good		35% Chrysotile
7	Mechanical - Room 3	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	100	LF	Good		35% Chrysotile
8	Storage room - Room 4	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	135	LF	Good		35% Chrysotile
10	Cooler entrance - Room 6	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	20	LF	Good		35% Chrysotile
19	Room BHW2	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	70	LF	Good	Painted white	35% Chrysotile
25	Room 15A	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	45	LF	Good		35% Chrysotile
26	Storage room - Room 16 & 16A	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	70	LF	Good		35% Chrysotile
27	Mechanical - Room 17 & 17A	B	Pipe insulation - wool felt, blue colored sprinkler lines	18	35	LF	Good		35% Chrysotile
36	Room 103	1	Pipe insulation - wool felt, blue colored sprinkler lines	18	30	LF	Good		35% Chrysotile
37	Room 103A	1	Pipe insulation - wool felt, blue colored sprinkler lines	18	15	LF	Good		35% Chrysotile
38	Room 104	1	Pipe insulation - wool felt, blue colored sprinkler lines	18	30	LF	Good		35% Chrysotile
40	Room 105	1	Pipe insulation - wool felt, blue colored sprinkler lines	18	20	LF	Good		35% Chrysotile
41	Room 105B	1	Pipe insulation - wool felt, blue colored sprinkler lines	18	10	LF	Good		35% Chrysotile
74	Janitorial closet - Room 208	2	Pipe insulation - wool felt, blue colored sprinkler lines	18	20	LF	Good		35% Chrysotile
77	Room 306	3	Pipe insulation - wool felt, blue colored sprinkler lines	18	5	LF	Good		35% Chrysotile
78	Room 301 & 301A	3	Pipe insulation - wool felt, blue colored sprinkler lines	18	10	LF	Good		35% Chrysotile
81	Room 303	3	Pipe insulation - wool felt, blue colored sprinkler lines	18	90	LF	Good		35% Chrysotile
82	Room 304	3	Pipe insulation - wool felt, blue colored sprinkler lines	18	15	LF	Good		35% Chrysotile
1	Hallway - BHW1	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	17	Each	Good		50% Chrysotile
6	Tech room - Room 3A	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	3	Each	Good		50% Chrysotile
7	Mechanical - Room 3	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	12	Each	Good		50% Chrysotile
8	Storage room - Room 4	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	13	Each	Good		50% Chrysotile
10	Cooler entrance - Room 6	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	15	LF	Good		50% Chrysotile
19	Room BHW2	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	13	Each	Good	Painted white	50% Chrysotile
25	Room 15A	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	8	Each	Good		50% Chrysotile
27	Mechanical - Room 17 & 17A	B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	8	Each	Good		50% Chrysotile

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
36	Room 103	1	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	13	Each	Good		50% Chrysotile
37	Room 103A	1	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	4	Each	Good		50% Chrysotile
38	Room 104	1	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	13	Each	Good		50% Chrysotile
40	Room 105	1	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	7	Each	Good		50% Chrysotile
74	Janitorial closet - Room 208	2	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	5	Each	Fair		50% Chrysotile
77	Room 306	3	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	4	Each	Good		50% Chrysotile
78	Room 301 & 301A	3	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	4	Each	Good		50% Chrysotile
81	Room 303	3	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	14	Each	Good		50% Chrysotile
82	Room 304	3	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	19	6	Each	Good		50% Chrysotile
1	Hallway - BHW1	B	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	30	LF	Good		45% Chrysotile
7	Mechanical - Room 3	B	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	115	LF	Good		45% Chrysotile
8	Storage room - Room 4	B	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	95	LF	Good		45% Chrysotile
9	Storage room - Room 5	B	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	35	LF	Good		45% Chrysotile
14	Storage room - Room 7	B	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	25	LF	Good		45% Chrysotile
15	Storage room 7A	B	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	35	LF	Good		45% Chrysotile
16	Stairwell - SW1	S	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	30	LF	Good	In basement confined space	45% Chrysotile
17	Stairwell - SW3	S	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	30	LF	Good	In basement confined space	45% Chrysotile
37	Room 103A	1	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	15	LF	Good		45% Chrysotile
38	Room 104	1	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	8	LF	Good		45% Chrysotile
43	Receiving - Room 106, 106A, & 106B	1	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	5	LF	Good		45% Chrysotile
69	Room 201, 201A,210, 210A, 210B	2	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	10	LF	Good		45% Chrysotile
71	Men's restroom - Room 207	2	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	10	LF	Good		45% Chrysotile
72	Women's restroom - Room 209	2	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	10	LF	Good		45% Chrysotile
81	Room 303	3	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	20	15	LF	Good		45% Chrysotile
1	Hallway - BHW1	B	Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	14	Each	Good		45% Chrysotile
7	Mechanical - Room 3	B	Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	24	Each	Good		45% Chrysotile
8	Storage room - Room 4	B	Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	7	Each	Good		45% Chrysotile
9	Storage room - Room 5	B	Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	8	Each	Good		45% Chrysotile
14	Storage room - Room 7	B	Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	5	Each	Good		45% Chrysotile
15	Storage room 7A	B	Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	4	Each	Good		45% Chrysotile
16	Stairwell - SW1	S	Pipe fitting - canvas covered mudded fittings, on aircell steam line	21	10	Each	Good	In basement confined space	45% Chrysotile

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
17	**Stairwell - SW3**	**S**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**10**	**Each**	**Good**	**In basement confined space**	**45% Chrysotile**
37	**Room 103A**	**1**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**5**	**Each**	**Good**		**45% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
71	**Men's restroom - Room 207**	**2**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
72	**Women's restroom - Room 209**	**2**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
81	**Room 303**	**3**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**2**	**Each**	**Good**		**45% Chrysotile**
1	**Hallway - BHW1**	**B**	**Pipe insulation - cork. Note: could be hidden layer of mag inside. Treat as ACM.**	**22**	**1**	**LF**	**Good**	**South wall**	Cork - Non Detect **Mag - Assumed**
2	**Cooler entrance - Room 2**	**B**	**Pipe insulation - cork. Note: could be hidden layer of mag inside. Treat as ACM.**	**22**	**10**	**LF**	**Good**		Cork - Non Detect **Mag - Assumed**
3	Cooler - Room 2A	B	Cork wall insulation - inside wall between the two block layers	23	1925	SF	Good		Non Detect
4	Cooler - Room 2B	B	Cork wall insulation - inside wall between the two block layers	23	1000	SF	Good		Non Detect
5	Cooler - Room 3B	B	Cork wall insulation - inside wall between the two block layers	23	1925	SF	Good		Non Detect
11	Cooler - Room 6A	B	Cork wall insulation - inside wall between the two block layers	23	1200	SF	Good		Non Detect
12	Cooler - Room 6B	B	Cork wall insulation - inside wall between the two block layers	23	1000	SF	Good		Non Detect
13	Cooler Room 6C	B	Cork wall insulation - inside wall between the two block layers	23	1925	SF	Good		Non Detect
30	Room 101A	1	Cork wall insulation - inside wall between the two block layers	23	1140	SF	Good		Non Detect
31	Room 101B	1	Cork wall insulation - inside wall between the two block layers	23	800	SF	Good		Non Detect
32	Room 101C	1	Cork wall insulation - inside wall between the two block layers	23	1040	SF	Good		Non Detect
33	Room 101D	1	Cork wall insulation - inside wall between the two block layers	23	1180	SF	Good		Non Detect
40	Room 105	1	Cork wall insulation - inside wall between the two block layers	23	1660	SF	Good		Non Detect
41	Room 105B	1	Cork wall insulation - inside wall between the two block layers	23	850	SF	Good		Non Detect
7	**Mechanical - Room 3**	**B**	**Remnants of original cork ceiling insulation with outer black paper layer adhered to concrete ceiling (associated with HA-32)**	**24**	**50**	**SF**	**Fair**	**ceiling along exterior wall**	**2% Chrysotile**
2	**Cooler entrance - Room 2**	**B**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**1**	**SF**	**Good**	**In each electrical box**	**10% Chrysotile**
10	**Cooler entrance - Room 6**	**B**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**5**	**SF**	**Good**		**10% Chrysotile**
29	**Room 101**	**1**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**5**	**SF**	**Good**	**Electrical boxes**	**10% Chrysotile**
40	**Room 105**	**1**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**1**	**SF**	**Good**		**10% Chrysotile**
3	Cooler - Room 2A	B	Pipe insulation - horse hair bands under metal hangers	26	5	SF	Good		Non Detect
6	Tech room - Room 3A	B	Floor tile - 12" beige tile with red streaks,	27	100	SF	Good		Non Detect
6	Tech room - Room 3A	B	Cove base - 4" brown vinyl with adhesive	28	40	LF	Good		Non Detect
6	Tech room - Room 3A	B	Ceiling panel - 2' white pinhole/fissure texture	29	100	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Ceiling panel - 2' white pinhole/fissure texture	29	7,380	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
7	Mechanical - Room 3	B	Brick mortar - 12"x4" concrete bricks	30	500	SF	Good		Non Detect
8	Storage room - Room 4	B	Brick mortar - 12"x4" concrete bricks	30	750	SF	Good		Non Detect
30	Room 101A	1	Brick mortar - 12"x4" concrete bricks	30	5	LF	Good		Non Detect
77	Room 306	3	Brick mortar - 12"x4" concrete bricks	30	750	SF	Good		Non Detect
78	Room 301 & 301A	3	Brick mortar - 12"x4" concrete bricks	30	225	SF	Good		Non Detect
79	Room 302 & 302A	3	Brick mortar - 12"x4" concrete bricks	30	45	SF	Good		Non Detect
80	Room 302B	3	Brick mortar - 12"x4" concrete bricks	30	75	SF	Good		Non Detect
7	Mechanical - Room 3	B	Brick mortar - 2"x6" concrete bricks	31	200	SF	Good		Non Detect
7	**Mechanical - Room 3**	**B**	**Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)**	**32**	**100**	**LF**	**Good**		**3% Chrysotile**
8	**Storage room - Room 4**	**B**	**Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)**	**32**	**30**	**LF**	**Good**		**3% Chrysotile**
9	**Storage room - Room 5**	**B**	**Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)**	**32**	**30**	**LF**	**Good**		**3% Chrysotile**
7	Mechanical - Room 3	B	Window glaze - grey caulk	33	1	Each	Good	1 window	Non Detect
7	**Mechanical - Room 3**	**B**	**Tank insulation**	**34**	**1**	**Each**	**Good**	**Centrally located along exterior wall**	**30% Chrysotile**
8	Storage room - Room 4	B	Window glaze - black, on door window	35	1	Each	Good		Non Detect
9	Storage room - Room 5	B	Window glaze - black, on door window	35	1	Each	Good		Non Detect
14	Storage room - Room 7	B	Floor tile - 12" light brown with mottle, box of tile	36	4	Each	Good		Non Detect
14	Storage room - Room 7	B	Floor tile - 12" white with black streaks, box of tile	37	6	Each	Good		Non Detect
14	**Storage room - Room 7**	**B**	**Window glaze - metal window leaned against wall**	**38**	**1**	**Each**	**Good**		**3% Chrysotile**
15	Storage room 7A	B	Window glaze - soft, grey, metal window	39	1	Each	Good		Non Detect
16	Stairwell - SW1	S	Wallboard system - buildout - wet wall	40	320	SF	Good		Non Detect
33	Room 101D	1	Wallboard system - buildout - wet wall	40	320	SF	Good		Non Detect
47	Hallway 1HW3	1	Wallboard system - buildout - wet wall	40	150	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Wallboard system - buildout - wet wall	40	550	SF	Good		Non Detect
54	Room 122	1	Wallboard system - buildout - wet wall	40	20	SF	Good		Non Detect
65	Room 139	1	Wallboard system - buildout - wet wall	40	150	SF	Good		Non Detect
66	Room 138	1	Wallboard system - buildout - wet wall	40	150	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Wallboard system - buildout - wet wall	40	450	SF	Good		Non Detect
75	Room 114	1	Wallboard system - buildout - wet wall	40	425	SF	Good		Non Detect
16	Stairwell - SW1	S	Cove base 4" black vinyl with adhesive	41	20	LF	Good		Non Detect
22	Storage - Room 14	B	Cove base 4" black vinyl with adhesive	41	65	LF	Good		Non Detect
46	Hallway 1HW2	1	Cove base 4" black vinyl with adhesive	41	210	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
47	Hallway 1HW3	1	Cove base 4" black vinyl with adhesive	41	15	LF	Good		Non Detect
51	Room 120	1	Cove base 4" black vinyl with adhesive	41	120	LF	Good		Non Detect
52	Room 120A	1	Cove base 4" black vinyl with adhesive	41	25	LF	Good		Non Detect
53	Room 121	1	Cove base 4" black vinyl with adhesive	41	70	LF	Good		Non Detect
56	Room 148A	1	Cove base 4" black vinyl with adhesive	41	65	LF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Cove base 4" black vinyl with adhesive	41	145	LF	Good		Non Detect
58	Room 150	1	Cove base 4" black vinyl with adhesive	41	60	LF	Good		Non Detect
60	Room 152 & 154	1	Cove base 4" black vinyl with adhesive	41	50	LF	Good		Non Detect
61	Room 144	1	Cove base 4" black vinyl with adhesive	41	35	LF	Good		Non Detect
62	Men's restroom - Room 142	1	Cove base 4" black vinyl with adhesive	41	75	LF	Good		Non Detect
63	Closet - Room 140	1	Cove base 4" black vinyl with adhesive	41	25	LF	Good		Non Detect
64	Room 134	1	Cove base 4" black vinyl with adhesive	41	70	LF	Good		Non Detect
65	Room 139	1	Cove base 4" black vinyl with adhesive	41	40	LF	Good		Non Detect
66	Room 138	1	Cove base 4" black vinyl with adhesive	41	60	LF	Good		Non Detect
67	Room 136	1	Cove base 4" black vinyl with adhesive	41	60	LF	Good		Non Detect
68	Room 135A	1	Cove base 4" black vinyl with adhesive	41	30	LF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Cove base 4" black vinyl with adhesive	41	50	LF	Good		Non Detect
75	Room 114	1	Cove base 4" black vinyl with adhesive	41	50	LF	Good		Non Detect
17	Stairwell - SW3	S	Glue pod - brown	42	10	SF	Good	Above 2nd fl drop ceiling	Non Detect
34	Room 102A	1	Glue pod - brown	42	75	SF	Good	Above drop ceiling	Non Detect
35	Room 102	1	Glue pod - brown	42	70	SF	Good	Above drop ceiling	Non Detect
36	Room 103	1	Glue pod - brown	42	30	SF	Good		Non Detect
37	Room 103A	1	Glue pod - brown	42	30	SF	Good		Non Detect
38	Room 104	1	Glue pod - brown	42	70	SF	Good		Non Detect
19	Room BHW2	B	Textured plaster - rough texture, walls	43	850	SF	Good	Walls	Non Detect
22	Storage - Room 14	B	Textured plaster - rough texture, walls	43	620	SF	Good		Non Detect
23	Room 15 & 15C	B	Textured plaster - rough texture, walls	43	1220	SF	Good		Non Detect
25	Room 15A	B	Textured plaster - rough texture, walls	43	1360	SF	Fair		Non Detect
26	Storage room - Room 16 & 16A	B	Textured plaster - rough texture, walls	43	420	SF	Good		Non Detect
19	**Room BHW2**	**B**	**Pipe insulation - magnesia**	**44**	**40**	**LF**	**Good**	**Painted white**	**30% Chrysotile**
20	**Men's restroom - Room 12**	**B**	**Pipe insulation - magnesia**	**44**	**90**	**LF**	**Good**		**30% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
21	Women's restroom -Room 13	B	Pipe insulation - magnesia	44	125	LF	Good		30% Chrysotile
22	Storage - Room 14	B	Pipe insulation - magnesia	44	25	LF	Good		30% Chrysotile
23	Room 15 & 15C	B	Pipe insulation - magnesia	44	55	LF	Good		30% Chrysotile
24	Room 15B	B	Pipe insulation - magnesia	44	80	LF	Good		30% Chrysotile
25	Room 15A	B	Pipe insulation - magnesia	44	185	LF	Good		30% Chrysotile
26	Storage room - Room 16 & 16A	B	Pipe insulation - magnesia	44	30	LF	Good		30% Chrysotile
27	Mechanical - Room 17 & 17A	B	Pipe insulation - magnesia	44	50	LF	Good		30% Chrysotile
34	Room 102A	1	Pipe insulation - magnesia	44	30	LF	Good		30% Chrysotile
37	Room 103A	1	Pipe insulation - magnesia	44	20	LF	Good		30% Chrysotile
38	Room 104	1	Pipe insulation - magnesia	44	10	LF	Good		30% Chrysotile
39	Hallway 1HW1	1	Pipe insulation - magnesia	44	75	LF	Good		30% Chrysotile
43	Receiving - Room 106, 106A, & 106B	1	Pipe insulation - magnesia	44	70	LF	Good		30% Chrysotile
69	Room 201, 201A,210, 210A, 210B	2	Pipe insulation - magnesia	44	30	LF	Good		30% Chrysotile
78	Room 301 & 301A	3	Pipe insulation - magnesia	44	10	LF	Good		30% Chrysotile
81	Room 303	3	Pipe insulation - magnesia	44	60	LF	Good		30% Chrysotile
19	Room BHW2	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	6	Each	Good	Painted white	30% Chrysotile
20	Men's restroom - Room 12	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	22	Each	Good		30% Chrysotile
21	Women's restroom -Room 13	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	19	Each	Good		30% Chrysotile
22	Storage - Room 14	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	5	Each	Good		30% Chrysotile
23	Room 15 & 15C	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	5	Each	Good		30% Chrysotile
24	Room 15B	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	28	Each	Good		30% Chrysotile
25	Room 15A	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	42	Each	Good		30% Chrysotile
26	Storage room - Room 16 & 16A	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	5	Each	Good		30% Chrysotile
27	Mechanical - Room 17 & 17A	B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	11	Each	Good		30% Chrysotile
34	Room 102A	1	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	2	Each	Good		30% Chrysotile
37	Room 103A	1	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	8	Each	Good		30% Chrysotile
38	Room 104	1	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	2	Each	Good		30% Chrysotile
39	Hallway 1HW1	1	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	16	Each	Good		30% Chrysotile
43	Receiving - Room 106, 106A, & 106B	1	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	14	Each	Good		30% Chrysotile
69	Room 201, 201A,210, 210A, 210B	2	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	6	Each	Good		30% Chrysotile
78	Room 301 & 301A	3	Pipe fitting - canvas wrapped mudded fitting on magnesia line	45	7	Each	Good		30% Chrysotile

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
81	**Room 303**	**3**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**2**	**Each**	**Good**		**30% Chrysotile**
20	Men's restroom - Room 12	B	Brick mortar - beige glazed ceramic block	46	520	SF	Good		Non Detect
21	Women's restroom -Room 13	B	Brick mortar - beige glazed ceramic block	46	610	SF	Good		Non Detect
45	Room 111	1	Brick mortar - beige glazed ceramic block	46	540	SF	Good		Non Detect
46	Hallway 1HW2	1	Brick mortar - beige glazed ceramic block	46	90	SF	Good		Non Detect
47	Hallway 1HW3	1	Brick mortar - beige glazed ceramic block	46	525	SF	Good		Non Detect
48	Room 115	1	Brick mortar - beige glazed ceramic block	46	750	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Brick mortar - beige glazed ceramic block	46	2000	SF	Good		Non Detect
50	Room 124	1	Brick mortar - beige glazed ceramic block	46	600	SF	Good		Non Detect
54	Room 122	1	Brick mortar - beige glazed ceramic block	46	300	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Brick mortar - beige glazed ceramic block	46	1,540	SF	Good		Non Detect
70	Room 206	2	Brick mortar - beige glazed ceramic block	46	2,000	SF	Good		Non Detect
71	Men's restroom - Room 207	2	Brick mortar - beige glazed ceramic block	46	400	SF	Good		Non Detect
72	Women's restroom - Room 209	2	Brick mortar - beige glazed ceramic block	46	400	SF	Good		Non Detect
73	Hallway 2HW1	2	Brick mortar - beige glazed ceramic block	46	900	SF	Good		Non Detect
74	Janitorial closet - Room 208	2	Brick mortar - beige glazed ceramic block	46	180	SF	Good		Non Detect
75	Room 114	1	Brick mortar - beige glazed ceramic block	46	120	SF	Good		Non Detect
20	Men's restroom - Room 12	B	Interior caulk - white, hard, on restroom fixtures	47	10	LF	Good		Non Detect
21	Women's restroom -Room 13	B	Interior caulk - white, hard, on restroom fixtures	47	10	LF	Good		Non Detect
22	Storage - Room 14	B	Interior caulk - white, hard, on restroom fixtures	47	10	LF	Good	Sink	Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - white, hard, on restroom fixtures	47	5	LF	Good		Non Detect
20	Men's restroom - Room 12	B	Bathroom partition insulation - pressed paper	48	40	SF	Good		Non Detect
21	Women's restroom -Room 13	B	Bathroom partition insulation - pressed paper	48	55	SF	Good		Non Detect
20	**Men's restroom - Room 12**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**1**	**Each**	**Good**		**Point count: Trace Chrysotile**
21	**Women's restroom -Room 13**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**2**	**Each**	**Good**		**Point count: Trace Chrysotile**
23	**Room 15 & 15C**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**2**	**Each**	**Good**	**6 pane doors**	**Point count: Trace Chrysotile**
24	**Room 15B**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**4**	**Each**	**Good**		**Point count: Trace Chrysotile**
45	**Room 111**	**1**	**Window glaze - beige glaze, window in metal door**	**49**	**1**	**Each**	**Good**		**Point count: Trace Chrysotile**
72	**Women's restroom - Room 209**	**2**	**Window glaze - beige glaze, window in metal door**	**49**	**1**	**Each**	**Good**		**Point count: Trace Chrysotile**
22	**Storage - Room 14**	**B**	**Floor tile - 9" black tile, black mastic**	**50**	**210**	**SF**	**Good**		**FT: 2% Chrysotile Mastic: ND**
22	**Storage - Room 14**	**B**	**Floor tile - 9" dark brown, black mastic**	**51**	**210**	**SF**	**Good**		**FT: 2% Chrysotile Mastic: ND**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
22	**Storage - Room 14**	**B**	**Floor tile - 9" grey with black streaks, black mastic**	**52**	**210**	**SF**	**Good**		**FT: 7% Chrysotile Mastic: ND**
25	Room 15A	B	Ceiling panel - 2' white rough texture with foil backing	53	45	Each	Fair	Stack	Non Detect
25	Room 15A	B	Ceiling panel - 2' white composite with metal cover	54	10	Each	Fair	Stack	Non Detect
25	Room 15A	B	Ceiling panel - 2'x4' wallboard with vinyl cover	55	100	Each	Fair	Stack	Non Detect
34	Room 102A	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	290	SF	Good		Non Detect
35	Room 102	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	270	SF	Good		Non Detect
37	Room 103A	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	16	SF	Good		Non Detect
38	Room 104	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	280	SF	Good		Non Detect
25	Room 15A	B	Water proofing - black spray-on, on walls/ceiling	56	1360	SF	Good	Walls under plaster	Non Detect
25	**Room 15A**	**B**	**Gasket material - fiber gaskets between steel fittings**	**57**	**36**	**Each**	**Good**	**Quantity may vary**	**10% Chrysotile**
27	**Mechanical - Room 17 & 17A**	**B**	**Gasket material - fiber gaskets between steel fittings**	**57**	**8**	**Each**	**Good**		**10% Chrysotile**
25	Room 15A	B	Tank insulation - under metal wrapping	58	1230	SF	Good	410 SF each	Non Detect
25	Room 15A	B	Tank insulation - canvas paper wrapped fiberglass over magnesia block	59	45	SF	Good		Non Detect
27	Mechanical - Room 17 & 17A	B	Wallboard - compressor room walls	60	135	SF	Good		Non Detect
28	**Stairwell - SW4**	**S**	**Textured plaster - rough texture, ceiling**	**61**	**180**	**SF**	**Good**		**3% Chrysotile**
28	Stairwell - SW4	S	Cove base - 4" grey vinyl with adhesive	62	5	LF	Good		Non Detect
47	Hallway 1HW3	1	Cove base - 4" grey vinyl with adhesive	62	15	LF	Good		Non Detect
28	**Stairwell - SW4**	**S**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**20**	**LF**	**Good**		**2.25% Chrysotile**
32	**Room 101C**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**10**	**LF**	**Good**		**2.25% Chrysotile**
34	**Room 102A**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
35	**Room 102**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
37	**Room 103A**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
38	**Room 104**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**80**	**LF**	**Good**		**2.25% Chrysotile**
53	**Room 121**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**25**	**LF**	**Good**		**2.25% Chrysotile**
54	**Room 122**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
58	Room 150	1	Interior caulk - grey, hard, perimeter of metal window frame	63	35	LF	Good		2.25% Chrysotile
60	Room 152 & 154	1	Interior caulk - grey, hard, perimeter of metal window frame	63	35	LF	Good		2.25% Chrysotile
64	**Room 134**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**30**	**LF**	**Good**		**2.25% Chrysotile**
66	**Room 138**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
67	**Room 136**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**65**	**LF**	**Good**		**2.25% Chrysotile**
68	**Room 135A**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
71	Men's restroom - Room 207	2	Interior caulk - grey, hard, perimeter of metal window frame	63	20	LF	Good		2.25% Chrysotile
72	Women's restroom - Room 209	2	Interior caulk - grey, hard, perimeter of metal window frame	63	60	LF	Good		2.25% Chrysotile
75	Room 114	1	Interior caulk - grey, hard, perimeter of metal window frame	63	30	LF	Good		2.25% Chrysotile
28	Stairwell - SW4	S	Vibration dampener - white canvas	64	25	SF	Good		20% Chrysotile
54	Room 122	1	Vibration dampener - white canvas	64	15	SF	Good		20% Chrysotile
1	Hallway - BHW1	B	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good		3% Chrysotile
2	Cooler entrance - Room 2	B	Construction adhesive - black / dark brown, under steel corner guard	65	45	SF	Good		3% Chrysotile
3	Cooler - Room 2A	B	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good		3% Chrysotile
4	Cooler - Room 2B	B	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good		3% Chrysotile
5	Cooler - Room 3B	B	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good		3% Chrysotile
10	Cooler entrance - Room 6	B	Construction adhesive - black / dark brown, under steel corner guard	65	45	SF	Good	wood door trim	3% Chrysotile
11	Cooler - Room 6A	B	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good	wood door trim	3% Chrysotile
12	Cooler - Room 6B	B	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good	wood door trim	3% Chrysotile
13	Cooler Room 6C	B	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good	wood door trim	3% Chrysotile
29	Room 101	1	Construction adhesive - black / dark brown, under steel corner guard	65	5	SF	Good	Check under wood frame	3% Chrysotile
30	Room 101A	1	Construction adhesive - black / dark brown, under steel corner guard	65	5	SF	Good	Check under wood frame	3% Chrysotile
31	Room 101B	1	Construction adhesive - black / dark brown, under steel corner guard	65	5	SF	Good		3% Chrysotile
32	Room 101C	1	Construction adhesive - black / dark brown, under steel corner guard	65	5	SF	Good	Check under wood frame	3% Chrysotile
33	Room 101D	1	Construction adhesive - black / dark brown, under steel corner guard	65	20	SF	Good	Check under wood frame	3% Chrysotile
39	Hallway 1HW1	1	Construction adhesive - black / dark brown, under steel corner guard	65	30	SF	Good		3% Chrysotile
40	Room 105	1	Construction adhesive - black / dark brown, under steel corner guard	65	10	SF	Good		3% Chrysotile
41	Room 105B	1	Construction adhesive - black / dark brown, under steel corner guard	65	10	SF	Good		3% Chrysotile
42	Room 105A	1	Construction adhesive - black / dark brown, under steel corner guard	65	20	SF	Good		3% Chrysotile
46	Hallway 1HW2	1	Construction adhesive - black / dark brown, under steel corner guard	65	15	SF	Good		3% Chrysotile
73	Hallway 2HW1	2	Construction adhesive - black / dark brown, under steel corner guard	65	20	SF	Good		3% Chrysotile
76	Hallway 3HW1	3	Construction adhesive - black / dark brown, under steel corner guard	65	5	SF	Good		3% Chrysotile
33	Room 101D	1	Textured plaster - trawled straight	66	5	SF	Good		Non Detect
34	Room 102A	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	290	SF	Good		Non Detect
35	Room 102	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	270	SF	Good		Non Detect
36	Room 103	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	150	LF	Good		Non Detect
37	Room 103A	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	120	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
38	Room 104	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	280	SF	Good		Non Detect
38	Room 104	1	Pipe insulation - black, tar tape	68	5	LF	Good		Non Detect
43	Receiving - Room 106, 106A, & 106B	1	Brick mortar - exterior siding red brick	69	1465	SF	Good		Non Detect
EA-1	East side of the building exterior	1	Brick mortar - exterior siding red brick	69	7170	SF	Good		Non Detect
EA-2	North side of the building exterior	1	Brick mortar - exterior siding red brick	69	1600	SF	Good		Non Detect
EA-3	West side of building exterior	1	Brick mortar - exterior siding red brick	69	7170	SF	Good		Non Detect
EA-4	South side of building exterior	1	Brick mortar - exterior siding red brick	69	2900	SF	Good		Non Detect
43	Receiving - Room 106, 106A, & 106B	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	80	SF	Good		Non Detect
46	Hallway 1HW2	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	210	SF	Good		Non Detect
54	Room 122	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	150	SF	Good		Non Detect
55	Room 123	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	140	SF	Good		Non Detect
56	Room 148A	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	60	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	125	SF	Good		Non Detect
58	Room 150	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	35	SF	Good		Non Detect
60	Room 152 & 154	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	90	SF	Good		Non Detect
64	Room 134	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	80	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	140	SF	Good		Non Detect
70	Room 206	2	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	35	SF	Good		Non Detect
34	Room 102A	1	Ceiling tile -12" white with 1/4 inch holes	71	290	SF	Good	Above drop ceiling	Non Detect
35	Room 102	1	Ceiling tile -12" white with 1/4 inch holes	71	270	SF	Good	Above drop ceiling	Non Detect
46	Hallway 1HW2	1	Ceiling panel - yellowish white, pinhole/fissure (small fissure), grey composite material	72	40	SF	Good		Non Detect
46	Hallway 1HW2	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	570	SF	Good		Non Detect
47	Hallway 1HW3	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	300	SF	Good		Non Detect
51	Room 120	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	880	SF	Good		Non Detect
52	Room 120A	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	70	SF	Good		Non Detect
53	Room 121	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	265	SF	Good		Non Detect
55	Room 123	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	680	SF	Good		Non Detect
56	Room 148A	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	270	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	325	SF	Good		Non Detect
58	Room 150	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	310	SF	Good		Non Detect
59	Women's restroom - Room 146	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	108	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
60	Room 152 & 154	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	360	SF	Good		Non Detect
61	Room 144	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	35	SF	Good		Non Detect
62	Men's restroom - Room 142	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	240	SF	Good		Non Detect
63	Closet - Room 140	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	35	SF	Good		Non Detect
64	Room 134	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	240	SF	Good		Non Detect
65	Room 139	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	75	SF	Good		Non Detect
66	Room 138	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	200	SF	Good		Non Detect
67	Room 136	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	175	SF	Good		Non Detect
68	Room 135A	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	135	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Ceiling panel - white, various size pinhole texture, beige composite material	73	150	SF	Good		Non Detect
46	Hallway 1HW2	1	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	74	210	SF	Good		Non Detect
47	Hallway 1HW3	1	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	74	35	LF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - grey duct caulk	75	15	SF	Good		Non Detect
65	Room 139	1	Interior caulk - grey duct caulk	75	1	SF	Good		Non Detect
66	Room 138	1	Interior caulk - grey duct caulk	75	1	SF	Good		Non Detect
67	Room 136	1	Interior caulk - grey duct caulk	75	1	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Cove base - 6" black vinyl with adhesive	76	40	LF	Good	Offices	Non Detect
49	Room 117, 117A, & 117B	1	Window glaze - black caulk, perimeter of office interior window	77	15	LF	Good		Non Detect
49	**Room 117, 117A, & 117B**	**1**	**Roof drain fitting - unknown material**	**78**	**2**	**Each**	**Good**	**Could not sample; no access**	**Assumed**
53	**Room 121**	**1**	**Vinyl sheeting - Brown/light squares.**	**79**	**265**	**SF**	**Good**		**15% Chrysotile**
53	**Room 121**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**30**	**LF**	**Good**		**1.75% Chrysotile**
54	**Room 122**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**60**	**LF**	**Good**		**1.75% Chrysotile**
56	**Room 148A**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**60**	**LF**	**Good**		**1.75% Chrysotile**
58	**Room 150**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**50**	**LF**	**Good**		**1.75% Chrysotile**
60	**Room 152 & 154**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**45**	**LF**	**Good**		**1.75% Chrysotile**
64	**Room 134**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**30**	**LF**	**Good**		**1.75% Chrysotile**
66	**Room 138**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block**	**80**	**40**	**LF**	**Good**		**1.75% Chrysotile**
67	**Room 136**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block**	**80**	**75**	**LF**	**Good**		**1.75% Chrysotile**
56	Room 148A	1	Ceramic tile, grout, mortar - 2" blue floor tile	81	25	SF	Good		Non Detect
56	Room 148A	1	Ceramic tile, grout, mortar - 4" blue wall tile	82	40	SF	Good		Non Detect
59	Women's restroom - Room 146	1	Interior caulk - white, seam of counter and backsplash	83	15	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
62	Men's restroom - Room 142	1	Interior caulk - white, seam of counter and backsplash	83	5	LF	Good		Non Detect
56	Room 148A	1	Expansion joint - Concrete slab foundation	84	15	LF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Carpet mastic - green	85	325	SF	Good		Non Detect
68	**Room 135A**	**1**	**Transite window sill**	**86**	**20**	**SF**	**Good**		**Assumed**
69	Room 201, 201A,210, 210A, 210B	2	Interior caulk - black, perimeter of aluminum window frames	87	135	LF	Good	9 Windows	Non Detect
70	Room 206	2	Interior caulk - black, perimeter of aluminum window frames	87	150	LF	Good		Non Detect
77	Room 306	3	Interior caulk - black, perimeter of aluminum window frames	87	120	SF	Good	8 windows	Non Detect
78	Room 301 & 301A	3	Interior caulk - black, perimeter of aluminum window frames	87	45	LF	Good		Non Detect
79	Room 302 & 302A	3	Interior caulk - black, perimeter of aluminum window frames	87	120	LF	Good		Non Detect
80	Room 302B	3	Interior caulk - black, perimeter of aluminum window frames	87	60	LF	Good		Non Detect
81	Room 303	3	Interior caulk - black, perimeter of aluminum window frames	87	60	LF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Floor tile - 12" wood pattern stick-on tile	88	100	SF	Good		Non Detect
71	Men's restroom - Room 207	2	Window glaze - beige glaze on window interior	89	2	Each	Good		Non Detect
72	Women's restroom - Room 209	2	Window glaze - beige glaze on window interior	89	3	Each	Good		Non Detect
83	Restroom - Room 305	3	Window glaze - beige glaze on window interior	89	1	Each	Good		Non Detect
84	Penthouse	3	Window glaze - beige glaze on window interior	89	1	Each	Fair		Non Detect
EA-3	**West side of building exterior**	**1**	**Expansion joint - concrete foundation walls**	**90**	**5**	**LF**	**Good**		**8% Chrysotile**
EA-1	**East side of the building exterior**	**1**	**Expansion joint - brick siding, white, alligator cracking pattern**	**91**	**130**	**LF**	**Good**		**2% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Expansion joint - brick siding, white, alligator cracking pattern**	**91**	**125**	**LF**	**Good**		**2% Chrysotile**
EA-4	**South side of building exterior**	**1**	**Expansion joint - brick siding, white, alligator cracking pattern**	**91**	**45**	**LF**	**Good**		**2% Chrysotile**
EA-1	East side of the building exterior	1	Expansion joint - between building foundation and concrete walkway	92	40	LF	Good		Non Detect
EA-3	West side of building exterior	1	Expansion joint - between building foundation and concrete walkway	92	150	LF	Good		Non Detect
EA-4	South side of building exterior	1	Expansion joint - between building foundation and concrete walkway	92	70	SF	Good		Non Detect
EA-1	East side of the building exterior	1	Concrete chip - exterior concrete	93	130	SF	Good		Non Detect
EA-2	North side of the building exterior	1	Concrete chip - exterior concrete	93	224	SF	Good		Non Detect
EA-3	West side of building exterior	1	Concrete chip - exterior concrete	93	1000	SF	Good		Non Detect
EA-4	South side of building exterior	1	Concrete chip - exterior concrete	93	224	SF	Good		Non Detect
EA-1	East side of the building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	270	SF	Good		Non Detect
EA-2	North side of the building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	95	SF	Good		Non Detect
EA-3	West side of building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	270	SF	Good		Non Detect
EA-4	South side of building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	80	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
EA-1	East side of the building exterior	1	Glass block mortar/grout, grey, between glass block window tiles, and around perimeter	95	65	LF	Good		Non Detect
EA-2	North side of the building exterior	1	Glass block mortar/grout, grey, between glass block window tiles, and around perimeter	95	255	SF	Good		Non Detect
EA-3	West side of building exterior	1	Glass block mortar/grout, grey, between glass block window tiles, and around perimeter	95	730	SF	Good		Non Detect
EA-1	East side of the building exterior	1	Exterior caulk - grey, perimeter of glass block windows	96	155	LF	Good		Non Detect
EA-2	North side of the building exterior	1	Exterior caulk - grey, perimeter of glass block windows	96	155	LF	Good		Non Detect
EA-3	West side of building exterior	1	Exterior caulk - grey, perimeter of glass block windows	96	155	LF	Good		Non Detect
EA-1	**East side of the building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**240**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**200**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**600**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-4	**South side of building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**20**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Window glaze - basement steel windows**	**98**	**175**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Window glaze - basement steel windows**	**98**	**200**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-1	East side of the building exterior	1	Window glaze, grey, soft, perimeter of glass window in metal door	99	15	LF	Good		Non Detect
EA-1	**East side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of door frames**	**100**	**20**	**LF**	**Good**		**7% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of door frames**	**100**	**20**	**LF**	**Good**		**7% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Exterior caulk - grey, perimeter of door frames**	**100**	**30**	**LF**	**Good**		**7% Chrysotile**
EA-1	East side of the building exterior	1	Exterior caulk - black, perimeter of door frames	101	15	LF	Good		Non Detect
EA-3	West side of building exterior	1	Exterior caulk - black, perimeter of door frames	101	30	LF	Good		Non Detect
EA-1	**East side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**200**	**LF**	**Good**		**5% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**155**	**LF**	**Good**		**5% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**350**	**LF**	**Good**		**5% Chrysotile**
EA-4	**South side of building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**20**	**LF**	**Good**		**5% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of steel basement windows**	**103**	**200**	**LF**	**Good**		**6% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Exterior caulk - grey, perimeter of steel basement windows**	**103**	**150**	**LF**	**Good**		**6% Chrysotile**
EA-1	East side of the building exterior	1	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	104	240	LF	Good		Non Detect
EA-3	West side of building exterior	1	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	104	140	LF	Good		Non Detect
EA-4	South side of building exterior	1	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	104	150	LF	Good		Non Detect
EA-5	Roof	1	Roofing materials - flat rubber membrane roof with vapor paper, and various tars	105	24300	SF	Good		Non Detect
EA-5	Roof	1	Concrete chip - 16" concrete walking tiles	106	135	SF	Poor		Non Detect
EA-5	Roof	1	Terracotta - capstone	107	375	SF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - grey, between terracotta capstone	108	190	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
EA-5	Roof	1	Exterior caulk - black, flashing on parapet wall	109	780	SF	Good	All in SF because its smooshed on parapet wall	Non Detect
EA-5	Roof	1	Exterior caulk - black, on penthouse brick flashing	110	60	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - dark grey, perimeter of metal door frame	111	20	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - light grey, penthouse wall penetrations	112	5	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - grey, soft, elastic, on metal pipe insulation	113	25	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - white, soft elastic, on plastic pipe fittings	114	15	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - grey, on roof penetrations, fencing base	115	50	SF	Good	All in SF because its smooshed on flashing	Non Detect
EA-5	Roof	1	Exterior caulk - grey, seams of concrete capstone	116	200	LF	Good		Non Detect
EA-5	**Roof**	**1**	**Exterior caulk - dark grey, under concrete capstone**	**117**	**400**	**SF**	**Good**	**All in SF because its smooshed on flashing**	**10% Chrysotile**
EA-5	Roof	1	Exterior caulk - grey, hard, on seams of HVAC vents	118	20	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - pink, hard, on seams of HVAC vents	119	30	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - white, on angle iron above window frame	120	5	LF	Good		Non Detect
EA-5	**Roof**	**1**	**Exterior caulk - grey, on wall vent perimeter**	**121**	**35**	**LF**	**Good**	**Lower roof, on FS-28, N ext. wall**	**5% Chrysotile**
EA-5	**Roof**	**1**	**Exterior caulk - black, on parapet wall seams**	**122**	**800**	**SF**	**Good**	**All in SF because its smooshed on parapet wall**	**5% Chrysotile**
3	Cooler - Room 2A	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1885	SF	Poor		Non Detect
4	Cooler - Room 2B	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1720	SF	Fair		Non Detect
7	Mechanical - Room 3	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	330	SF	Poor		Non Detect
8	Storage room - Room 4	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	80	SF	Poor		Non Detect
9	Storage room - Room 5	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	80	SF	Good		Non Detect
11	Cooler - Room 6A	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	832	SF	Poor		Non Detect
12	Cooler - Room 6B	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1730	SF	Poor		Non Detect
13	Cooler Room 6C	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1905	SF	Poor		Non Detect
30	Room 101A	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	940	SF	Poor		Non Detect
31	Room 101B	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	129	SF	Poor		Non Detect
32	Room 101C	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	670	SF	Poor		Non Detect
33	Room 101D	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1040	SF	Poor		Non Detect
40	Room 105	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1465	SF	Poor		Non Detect
41	Room 105B	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	380	SF	Poor		Non Detect
42	Room 105A	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	920	SF	Poor		Non Detect
3	**Cooler - Room 2A**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
4	**Cooler - Room 2B**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Poor**		**4% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
5	Cooler - Room 3B	B	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Poor		4% Chrysotile
7	Mechanical - Room 3	B	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	16	SF	Fair		4% Chrysotile
8	Storage room - Room 4	B	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	6	SF	Poor		4% Chrysotile
9	Storage room - Room 5	B	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	6	SF	Fair		4% Chrysotile
11	Cooler - Room 6A	B	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Fair		4% Chrysotile
12	Cooler - Room 6B	B	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Fair		4% Chrysotile
13	Cooler Room 6C	B	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Fair		4% Chrysotile
30	Room 101A	1	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Fair		4% Chrysotile
31	Room 101B	1	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Fair		4% Chrysotile
32	Room 101C	1	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Fair		4% Chrysotile
33	Room 101D	1	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	8	SF	Fair		4% Chrysotile
40	Room 105	1	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	4	SF	Fair		4% Chrysotile
41	Room 105B	1	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	4	SF	Fair		4% Chrysotile
42	Room 105A	1	Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)	124	4	SF	Fair		4% Chrysotile

List by Functional Space

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
1	**Hallway - BHW1**	**B**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
1	Hallway - BHW1	B	Concrete chip - concrete slab foundation & decks	3	600	SF	Good	9x70x11	Non Detect
1	Hallway - BHW1	B	Terrazzo flooring - Grey mix with white, beige, and black stone	4	155	SF	Good		Non Detect
1	Hallway - BHW1	B	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
1	Hallway - BHW1	B	Brick mortar - grey glazed ceramic block walls	6	1300	SF	Good		Non Detect
1	Hallway - BHW1	B	Brick mortar - skim coat on CMU block walls	7	10	SF	Good	seam between CMU block and glazed block	Non Detect
1	Hallway - BHW1	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	610	SF	Good		Non Detect
1	Hallway - BHW1	B	Interior caulk - red, penetrations / void filler	9	15	LF	Good		Non Detect
1	Hallway - BHW1	B	Interior caulk - grey, penetrations / void filler	10	15	LF	Good		Non Detect
1	**Hallway - BHW1**	**B**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**215**	**LF**	**Good**		**2% Chrysotile**
1	Hallway - BHW1	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	145	LF	Good		Non Detect
1	Hallway - BHW1	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	18	Each	Good		Non Detect
1	Hallway - BHW1	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
1	Hallway - BHW1	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	185	LF	Good		Non Detect
1	**Hallway - BHW1**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**12**	**Each**	**Good**		**30% Chrysotile**
1	**Hallway - BHW1**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**9**	**Each**	**Good**		**50% Chrysotile**
1	**Hallway - BHW1**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**135**	**LF**	**Good**		**35% Chrysotile**
1	**Hallway - BHW1**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**17**	**Each**	**Good**		**50% Chrysotile**
1	**Hallway - BHW1**	**B**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**30**	**LF**	**Good**		**45% Chrysotile**
1	**Hallway - BHW1**	**B**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**14**	**Each**	**Good**		**45% Chrysotile**
1	**Hallway - BHW1**	**B**	**Pipe insulation - cork. Note: could be hidden layer of mag inside. Treat as ACM.**	**22**	**1**	**LF**	**Good**	**South wall**	**Cork - Non Detect Mag - Assumed**
1	**Hallway - BHW1**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**		**3% Chrysotile**
2	**Cooler entrance - Room 2**	**B**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
2	Cooler entrance - Room 2	B	Concrete chip - concrete slab foundation & decks	3	200	SF	Good	9x21	Non Detect
2	Cooler entrance - Room 2	B	Brick mortar - grey glazed ceramic block walls	6	465	SF	Good		Non Detect
2	Cooler entrance - Room 2	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
2	Cooler entrance - Room 2	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect
2	**Cooler entrance - Room 2**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**1**	**Each**	**Good**		**50% Chrysotile**
2	**Cooler entrance - Room 2**	**B**	**Pipe insulation - cork. Note: could be hidden layer of mag inside. Treat as ACM.**	**22**	**10**	**LF**	**Good**		**Cork - Non Detect Mag - Assumed**
2	**Cooler entrance - Room 2**	**B**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**1**	**SF**	**Good**	**In each electrical box**	**10% Chrysotile**
2	**Cooler entrance - Room 2**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**45**	**SF**	**Good**		**3% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
3	Cooler - Room 2A	B	Concrete chip - concrete slab foundation & decks	3	1925	SF	Good	40x40	Non Detect
3	Cooler - Room 2A	B	Brick mortar - grey glazed ceramic block walls	6	1600	SF	Good		Non Detect
3	Cooler - Room 2A	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	1600	SF	Good		Non Detect
3	Cooler - Room 2A	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect
3	Cooler - Room 2A	B	Cork wall insulation - inside wall between the two block layers	23	1925	SF	Good		Non Detect
3	Cooler - Room 2A	B	Pipe insulation - horse hair bands under metal hangers	26	5	SF	Good		Non Detect
3	**Cooler - Room 2A**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**		**3% Chrysotile**
3	Cooler - Room 2A	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1885	SF	Poor		Non Detect
3	**Cooler - Room 2A**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
4	Cooler - Room 2B	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good	30x21	Non Detect
4	Cooler - Room 2B	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
4	Cooler - Room 2B	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	650	SF	Good		Non Detect
4	Cooler - Room 2B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	35	LF	Good		Non Detect
4	**Cooler - Room 2B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**1**	**Each**	**Good**		**30% Chrysotile**
4	**Cooler - Room 2B**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**1**	**Each**	**Good**		**50% Chrysotile**
4	Cooler - Room 2B	B	Cork wall insulation - inside wall between the two block layers	23	1000	SF	Good		Non Detect
4	**Cooler - Room 2B**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**		**3% Chrysotile**
4	Cooler - Room 2B	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1720	SF	Fair		Non Detect
4	**Cooler - Room 2B**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Poor**		**4% Chrysotile**
5	Cooler - Room 3B	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good		Non Detect
5	Cooler - Room 3B	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
5	Cooler - Room 3B	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	650	SF	Good		Non Detect
5	Cooler - Room 3B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	75	LF	Good		Non Detect
5	**Cooler - Room 3B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**27**	**Each**	**Good**		**30% Chrysotile**
5	Cooler - Room 3B	B	Cork wall insulation - inside wall between the two block layers	23	1925	SF	Good		Non Detect
5	**Cooler - Room 3B**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**		**3% Chrysotile**
5	**Cooler - Room 3B**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Poor**		**4% Chrysotile**
6	Tech room - Room 3A	B	Concrete chip - concrete slab foundation & decks	3	100	SF	Good		Non Detect
6	Tech room - Room 3A	B	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
6	Tech room - Room 3A	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
6	Tech room - Room 3A	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
6	Tech room - Room 3A	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	8	Each	Good		Non Detect
6	**Tech room - Room 3A**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**20**	**LF**	**Good**		**35% Chrysotile**
6	**Tech room - Room 3A**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**3**	**Each**	**Good**		**50% Chrysotile**
6	Tech room - Room 3A	B	Floor tile - 12" beige tile with red streaks,	27	100	SF	Good		Non Detect
6	Tech room - Room 3A	B	Cove base - 4" brown vinyl with adhesive	28	40	LF	Good		Non Detect
6	Tech room - Room 3A	B	Ceiling panel - 2' white pinhole/fissure texture	29	100	SF	Good		Non Detect
7	**Mechanical - Room 3**	**B**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
7	Mechanical - Room 3	B	Concrete chip - concrete slab foundation & decks	3	1290	SF	Good	30x43	Non Detect
7	Mechanical - Room 3	B	Brick mortar - CMU block walls	5	200	SF	Good		Non Detect
7	Mechanical - Room 3	B	Interior caulk - red, penetrations / void filler	9	10	LF	Good		Non Detect
7	Mechanical - Room 3	B	Interior caulk - grey, penetrations / void filler	10	10	LF	Good		Non Detect
7	Mechanical - Room 3	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	300	LF	Good		Non Detect
7	Mechanical - Room 3	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	27	Each	Good		Non Detect
7	Mechanical - Room 3	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	20	SF	Good		Non Detect
7	Mechanical - Room 3	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	170	LF	Good		Non Detect
7	**Mechanical - Room 3**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**23**	**Each**	**Good**		**30% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**11**	**Each**	**Good**		**50% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**100**	**LF**	**Good**		**35% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**12**	**Each**	**Good**		**50% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**115**	**LF**	**Good**		**45% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**24**	**Each**	**Good**		**45% Chrysotile**
7	**Mechanical - Room 3**	**B**	**Remnants of original cork ceiling insulation with outer black paper layer adhered to concrete ceiling (associated with HA-32)**	**24**	**50**	**SF**	**Fair**	**ceiling along exterior wall**	**2% Chrysotile**
7	Mechanical - Room 3	B	Brick mortar - 12"x4" concrete bricks	30	500	SF	Good		Non Detect
7	Mechanical - Room 3	B	Brick mortar - 2"x6" concrete bricks	31	200	SF	Good		Non Detect
7	**Mechanical - Room 3**	**B**	**Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)**	**32**	**100**	**LF**	**Good**		**3% Chrysotile**
7	Mechanical - Room 3	B	Window glaze - grey caulk	33	1	Each	Good	1 window	Non Detect
7	**Mechanical - Room 3**	**B**	**Tank insulation**	**34**	**1**	**Each**	**Good**	**Centrally located along exterior wall**	**30% Chrysotile**
7	Mechanical - Room 3	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	330	SF	Poor		Non Detect
7	**Mechanical - Room 3**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**16**	**SF**	**Fair**		**4% Chrysotile**
8	**Storage room - Room 4**	**B**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
8	Storage room - Room 4	B	Concrete chip - concrete slab foundation & decks	3	650	SF	Good	28x14	Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
8	Storage room - Room 4	B	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
8	Storage room - Room 4	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
8	Storage room - Room 4	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	60	LF	Good		Non Detect
8	Storage room - Room 4	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	8	Each	Good		Non Detect
8	Storage room - Room 4	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
8	**Storage room - Room 4**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**135**	**LF**	**Good**		**35% Chrysotile**
8	**Storage room - Room 4**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**13**	**Each**	**Good**		**50% Chrysotile**
8	**Storage room - Room 4**	**B**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**95**	**LF**	**Good**		**45% Chrysotile**
8	**Storage room - Room 4**	**B**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**7**	**Each**	**Good**		**45% Chrysotile**
8	Storage room - Room 4	B	Brick mortar - 12"x4" concrete bricks	30	750	SF	Good		Non Detect
8	**Storage room - Room 4**	**B**	**Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)**	**32**	**30**	**LF**	**Good**		**3% Chrysotile**
8	Storage room - Room 4	B	Window glaze - black, on door window	35	1	Each	Good		Non Detect
8	Storage room - Room 4	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	80	SF	Poor		Non Detect
8	**Storage room - Room 4**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**6**	**SF**	**Poor**		**4% Chrysotile**
9	**Storage room - Room 5**	**B**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
9	Storage room - Room 5	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good		Non Detect
9	Storage room - Room 5	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
9	Storage room - Room 5	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	500	SF	Good		Non Detect
9	Storage room - Room 5	B	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
9	Storage room - Room 5	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
9	**Storage room - Room 5**	**B**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
9	Storage room - Room 5	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	70	LF	Good		Non Detect
9	Storage room - Room 5	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	7	Each	Good		Non Detect
9	Storage room - Room 5	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
9	**Storage room - Room 5**	**B**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**35**	**LF**	**Good**		**45% Chrysotile**
9	**Storage room - Room 5**	**B**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**8**	**Each**	**Good**		**45% Chrysotile**
9	**Storage room - Room 5**	**B**	**Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)**	**32**	**30**	**LF**	**Good**		**3% Chrysotile**
9	Storage room - Room 5	B	Window glaze - black, on door window	35	1	Each	Good		Non Detect
9	Storage room - Room 5	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	80	SF	Good		Non Detect
9	**Storage room - Room 5**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**6**	**SF**	**Fair**		**4% Chrysotile**
10	Cooler entrance - Room 6	B	Concrete chip - concrete slab foundation & decks	3	200	SF	Good	9x21	Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
10	Cooler entrance - Room 6	B	Brick mortar - CMU block walls	5	10	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Brick mortar - grey glazed ceramic block walls	6	600	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Brick mortar - skim coat on CMU block walls	7	1	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
10	Cooler entrance - Room 6	B	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
10	Cooler entrance - Room 6	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	45	LF	Good		Non Detect
10	Cooler entrance - Room 6	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	2	Each	Good		Non Detect
10	Cooler entrance - Room 6	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
10	Cooler entrance - Room 6	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	20	LF	Good		Non Detect
10	**Cooler entrance - Room 6**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**1**	**Each**	**Good**		**50% Chrysotile**
10	**Cooler entrance - Room 6**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**20**	**LF**	**Good**		**35% Chrysotile**
10	**Cooler entrance - Room 6**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**15**	**LF**	**Good**		**50% Chrysotile**
10	**Cooler entrance - Room 6**	**B**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**5**	**SF**	**Good**		**10% Chrysotile**
10	**Cooler entrance - Room 6**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**45**	**SF**	**Good**	**wood door trim**	**3% Chrysotile**
11	Cooler - Room 6A	B	Concrete chip - concrete slab foundation & decks	3	700	SF	Good	40x18	Non Detect
11	Cooler - Room 6A	B	Brick mortar - grey glazed ceramic block walls	6	1200	SF	Good		Non Detect
11	Cooler - Room 6A	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	700	SF	Good		Non Detect
11	Cooler - Room 6A	B	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
11	Cooler - Room 6A	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	220	LF	Good		Non Detect
11	Cooler - Room 6A	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	19	Each	Good		Non Detect
11	Cooler - Room 6A	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
11	Cooler - Room 6A	B	Cork wall insulation - inside wall between the two block layers	23	1200	SF	Good		Non Detect
11	**Cooler - Room 6A**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**	**wood door trim**	**3% Chrysotile**
11	Cooler - Room 6A	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	832	SF	Poor		Non Detect
11	**Cooler - Room 6A**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
12	Cooler - Room 6B	B	Concrete chip - concrete slab foundation & decks	3	750	SF	Good		Non Detect
12	Cooler - Room 6B	B	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
12	Cooler - Room 6B	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	650	SF	Good		Non Detect
12	Cooler - Room 6B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	140	LF	Good		Non Detect
12	**Cooler - Room 6B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**4**	**Each**	**Good**		**30% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
12	**Cooler - Room 6B**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**6**	**Each**	**Good**		**50% Chrysotile**
12	Cooler - Room 6B	B	Cork wall insulation - inside wall between the two block layers	23	1000	SF	Good		Non Detect
12	**Cooler - Room 6B**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**	**wood door trim**	**3% Chrysotile**
12	Cooler - Room 6B	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1730	SF	Poor		Non Detect
12	**Cooler - Room 6B**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
13	Cooler Room 6C	B	Concrete chip - concrete slab foundation & decks	3	1925	SF	Good		Non Detect
13	Cooler Room 6C	B	Brick mortar - grey glazed ceramic block walls	6	1600	SF	Good		Non Detect
13	Cooler Room 6C	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	1600	SF	Good		Non Detect
13	Cooler Room 6C	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect
13	**Cooler Room 6C**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**4**	**Each**	**Good**		**30% Chrysotile**
13	**Cooler Room 6C**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**7**	**Each**	**Good**		**50% Chrysotile**
13	Cooler Room 6C	B	Cork wall insulation - inside wall between the two block layers	23	1925	SF	Good		Non Detect
13	**Cooler Room 6C**	**B**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**	**wood door trim**	**3% Chrysotile**
13	Cooler Room 6C	B	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1905	SF	Poor		Non Detect
13	**Cooler Room 6C**	**B**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
14	Storage room - Room 7	B	Concrete chip - concrete slab foundation & decks	3	250	SF	Good	25x10	Non Detect
14	Storage room - Room 7	B	Brick mortar - CMU block walls	5	700	SF	Good		Non Detect
14	Storage room - Room 7	B	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
14	Storage room - Room 7	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	25	LF	Good		Non Detect
14	Storage room - Room 7	B	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
14	Storage room - Room 7	B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
14	**Storage room - Room 7**	**B**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**25**	**LF**	**Good**		**45% Chrysotile**
14	**Storage room - Room 7**	**B**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**5**	**Each**	**Good**		**45% Chrysotile**
14	Storage room - Room 7	B	Floor tile - 12" light brown with mottle, box of tile	36	4	Each	Good		Non Detect
14	Storage room - Room 7	B	Floor tile - 12" white with black streaks, box of tile	37	6	Each	Good		Non Detect
14	**Storage room - Room 7**	**B**	**Window glaze - metal window leaned against wall**	**38**	**1**	**Each**	**Good**		**3% Chrysotile**
15	Storage room 7A	B	Concrete chip - concrete slab foundation & decks	3	250	SF	Good		Non Detect
15	Storage room 7A	B	Brick mortar - CMU block walls	5	700	SF	Good		Non Detect
15	Storage room 7A	B	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
15	**Storage room 7A**	**B**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**35**	**LF**	**Good**		**45% Chrysotile**
15	**Storage room 7A**	**B**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**4**	**Each**	**Good**		**45% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
15	Storage room 7A	B	Window glaze - soft, grey, metal window	39	1	Each	Good		Non Detect
16	**Stairwell - SW1**	**S**	**Fire door & frame - metal**	**1**	**8**	**Each**	**Good**		**Assumed**
16	Stairwell - SW1	S	Concrete chip - concrete slab foundation & decks	3	1200	SF	Good	30x9x80	Non Detect
16	Stairwell - SW1	S	Terrazzo flooring - Grey mix with white, beige, and black stone	4	720	SF	Good		Non Detect
16	Stairwell - SW1	S	Brick mortar - CMU block walls	5	3200	SF	Good		Non Detect
16	Stairwell - SW1	S	Brick mortar - grey glazed ceramic block walls	6	3200	SF	Good		Non Detect
16	Stairwell - SW1	S	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	400	SF	Good		Non Detect
16	Stairwell - SW1	S	Interior caulk - red, penetrations / void filler	9	20	SF	Good		Non Detect
16	Stairwell - SW1	S	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	120	LF	Good	In build out	Non Detect
16	Stairwell - SW1	S	Plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	18	Each	Good	In build out	Non Detect
16	Stairwell - SW1	S	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	LF	Good		Non Detect
16	**Stairwell - SW1**	**S**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**30**	**LF**	**Good**	**In basement confined space**	**45% Chrysotile**
16	**Stairwell - SW1**	**S**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**10**	**Each**	**Good**	**In basement confined space**	**45% Chrysotile**
16	Stairwell - SW1	S	Wallboard system - buildout - wet wall	40	320	SF	Good		Non Detect
16	Stairwell - SW1	S	Cove base 4" black vinyl with adhesive	41	20	LF	Good		Non Detect
17	**Stairwell - SW3**	**S**	**Fire door & frame - metal**	**1**	**8**	**Each**	**Good**		**Assumed**
17	Stairwell - SW3	S	Concrete chip - concrete slab foundation & decks	3	1200	SF	Good		Non Detect
17	Stairwell - SW3	S	Terrazzo flooring - Grey mix with white, beige, and black stone	4	720	SF	Good		Non Detect
17	Stairwell - SW3	S	Brick mortar - CMU block walls	5	3200	SF	Good		Non Detect
17	Stairwell - SW3	S	Brick mortar - grey glazed ceramic block walls	6	3200	SF	Good		Non Detect
17	Stairwell - SW3	S	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	400	SF	Good		Non Detect
17	Stairwell - SW3	S	Interior caulk - red, penetrations / void filler	9	20	SF	Good		Non Detect
17	**Stairwell - SW3**	**S**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**30**	**LF**	**Good**	**In basement confined space**	**45% Chrysotile**
17	**Stairwell - SW3**	**S**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**10**	**Each**	**Good**	**In basement confined space**	**45% Chrysotile**
17	Stairwell - SW3	S	Glue pod - brown	42	10	SF	Good	Above 2nd fl drop ceiling	Non Detect
18	Elevator shaft	E	Concrete chip - concrete slab foundation & decks	3	150	SF	Good		Non Detect
18	Elevator shaft	E	Brick mortar - CMU block walls	5	1600	SF	Good		Non Detect
19	**Room BHW2**	**B**	**Fire door & frame - metal**	**1**	**3**	**Each**	**Good**		**Assumed**
19	Room BHW2	B	Concrete chip - concrete slab foundation & decks	3	1290	SF	Good	20x22	Non Detect
19	**Room BHW2**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**70**	**LF**	**Good**	**Painted white**	**35% Chrysotile**
19	**Room BHW2**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**13**	**Each**	**Good**	**Painted white**	**50% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
19	Room BHW2	B	Textured plaster - rough texture, walls	43	850	SF	Good	Walls	Non Detect
19	**Room BHW2**	**B**	**Pipe insulation - magnesia**	**44**	**40**	**LF**	**Good**	**Painted white**	**30% Chrysotile**
19	**Room BHW2**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**6**	**Each**	**Good**	**Painted white**	**30% Chrysotile**
20	**Men's restroom - Room 12**	**B**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
20	Men's restroom - Room 12	B	Concrete chip - concrete slab foundation & decks	3	170	SF	Good	17x9	Non Detect
20	Men's restroom - Room 12	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	155	SF	Good		Non Detect
20	**Men's restroom - Room 12**	**B**	**Pipe insulation - magnesia**	**44**	**90**	**LF**	**Good**		**30% Chrysotile**
20	**Men's restroom - Room 12**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**22**	**Each**	**Good**		**30% Chrysotile**
20	Men's restroom - Room 12	B	Brick mortar - beige glazed ceramic block	46	520	SF	Good		Non Detect
20	Men's restroom - Room 12	B	Interior caulk - white, hard, on restroom fixtures	47	10	LF	Good		Non Detect
20	Men's restroom - Room 12	B	Bathroom partition insulation - pressed paper	48	40	SF	Good		Non Detect
20	**Men's restroom - Room 12**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**1**	**Each**	**Good**		**Point count: Trace Chrysotile**
21	**Women's restroom -Room 13**	**B**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
21	Women's restroom -Room 13	B	Concrete chip - concrete slab foundation & decks	3	230	SF	Good		Non Detect
21	Women's restroom -Room 13	B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	230	SF	Good		Non Detect
21	Women's restroom -Room 13	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect
21	Women's restroom -Room 13	B	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	2	Each	Good		Non Detect
21	**Women's restroom -Room 13**	**B**	**Pipe insulation - magnesia**	**44**	**125**	**LF**	**Good**		**30% Chrysotile**
21	**Women's restroom -Room 13**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**19**	**Each**	**Good**		**30% Chrysotile**
21	Women's restroom -Room 13	B	Brick mortar - beige glazed ceramic block	46	610	SF	Good		Non Detect
21	Women's restroom -Room 13	B	Interior caulk - white, hard, on restroom fixtures	47	10	LF	Good		Non Detect
21	Women's restroom -Room 13	B	Bathroom partition insulation - pressed paper	48	55	SF	Good		Non Detect
21	**Women's restroom -Room 13**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**2**	**Each**	**Good**		**Point count: Trace Chrysotile**
22	**Storage - Room 14**	**B**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
22	Storage - Room 14	B	Concrete chip - concrete slab foundation & decks	3	275	SF	Good	13x18	Non Detect
22	Storage - Room 14	B	Brick mortar - CMU block walls	5	620	SF	Good		Non Detect
22	Storage - Room 14	B	Cove base 4" black vinyl with adhesive	41	65	LF	Good		Non Detect
22	Storage - Room 14	B	Textured plaster - rough texture, walls	43	620	SF	Good		Non Detect
22	**Storage - Room 14**	**B**	**Pipe insulation - magnesia**	**44**	**25**	**LF**	**Good**		**30% Chrysotile**
22	**Storage - Room 14**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**5**	**Each**	**Good**		**30% Chrysotile**
22	Storage - Room 14	B	Interior caulk - white, hard, on restroom fixtures	47	10	LF	Good	Sink	Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
22	**Storage - Room 14**	**B**	**Floor tile - 9" black tile, black mastic**	**50**	**210**	**SF**	**Good**		**FT: 2% Chrysotile Mastic: ND**
22	**Storage - Room 14**	**B**	**Floor tile - 9" dark brown, black mastic**	**51**	**210**	**SF**	**Good**		**FT: 2% Chrysotile Mastic: ND**
22	**Storage - Room 14**	**B**	**Floor tile - 9" grey with black streaks, black mastic**	**52**	**210**	**SF**	**Good**		**FT: 7% Chrysotile Mastic: ND**
23	**Room 15 & 15C**	**B**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
23	Room 15 & 15C	B	Concrete chip - concrete slab foundation & decks	3	910	SF	Good		Non Detect
23	Room 15 & 15C	B	Brick mortar - CMU block walls	5	1220	SF	Good		Non Detect
23	Room 15 & 15C	B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	40	LF	Good		Non Detect
23	Room 15 & 15C	B	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	4	Each	Good		Non Detect
23	Room 15 & 15C	B	Textured plaster - rough texture, walls	43	1220	SF	Good		Non Detect
23	**Room 15 & 15C**	**B**	**Pipe insulation - magnesia**	**44**	**55**	**LF**	**Good**		**30% Chrysotile**
23	**Room 15 & 15C**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**5**	**Each**	**Good**		**30% Chrysotile**
23	**Room 15 & 15C**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**2**	**Each**	**Good**	**6 pane doors**	**Point count: Trace Chrysotile**
24	**Room 15B**	**B**	**Fire door & frame - metal**	**1**	**4**	**Each**	**Good**		**Assumed**
24	Room 15B	B	Concrete chip - concrete slab foundation & decks	3	5300	SF	Good	60x88	Non Detect
24	Room 15B	B	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
24	Room 15B	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	400	LF	Good		Non Detect
24	**Room 15B**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**84**	**Each**	**Good**		**30% Chrysotile**
24	**Room 15B**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**18**	**Each**	**Good**		**50% Chrysotile**
24	**Room 15B**	**B**	**Pipe insulation - magnesia**	**44**	**80**	**LF**	**Good**		**30% Chrysotile**
24	**Room 15B**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**28**	**Each**	**Good**		**30% Chrysotile**
24	**Room 15B**	**B**	**Window glaze - beige glaze, window in metal door**	**49**	**4**	**Each**	**Good**		**Point count: Trace Chrysotile**
25	**Room 15A**	**B**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
25	Room 15A	B	Concrete chip - concrete slab foundation & decks	3	2260	SF	Good		Non Detect
25	Room 15A	B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	115	LF	Good		Non Detect
25	**Room 15A**	**B**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**35**	**Each**	**Good**		**30% Chrysotile**
25	**Room 15A**	**B**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**5**	**Each**	**Good**		**50% Chrysotile**
25	**Room 15A**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**45**	**LF**	**Good**		**35% Chrysotile**
25	**Room 15A**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**8**	**Each**	**Good**		**50% Chrysotile**
25	Room 15A	B	Textured plaster - rough texture, walls	43	1360	SF	Fair		Non Detect
25	**Room 15A**	**B**	**Pipe insulation - magnesia**	**44**	**185**	**LF**	**Good**		**30% Chrysotile**
25	**Room 15A**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**42**	**Each**	**Good**		**30% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
25	Room 15A	B	Ceiling panel - 2' white rough texture with foil backing	53	45	Each	Fair	Stack	Non Detect
25	Room 15A	B	Ceiling panel - 2' white composite with metal cover	54	10	Each	Fair	Stack	Non Detect
25	Room 15A	B	Ceiling panel - 2'x4' wallboard with vinyl cover	55	100	Each	Fair	Stack	Non Detect
25	Room 15A	B	Water proofing - black spray-on, on walls/ceiling	56	1360	SF	Good	Walls under plaster	Non Detect
25	**Room 15A**	**B**	**Gasket material - fiber gaskets between steel fittings**	**57**	**36**	**Each**	**Good**	**Quantity may vary**	**10% Chrysotile**
25	Room 15A	B	Tank insulation - under metal wrapping	58	1230	SF	Good	410 SF each	Non Detect
25	Room 15A	B	Tank insulation - canvas paper wrapped fiberglass over magnesia block	59	45	SF	Good		Non Detect
26	**Storage room - Room 16 & 16A**	**B**	**Fire door & frame - metal**	**1**	**6**	**Each**	**Good**		**Assumed**
26	Storage room - Room 16 & 16A	B	Concrete chip - concrete slab foundation & decks	3	510	SF	Good	14x36	Non Detect
26	Storage room - Room 16 & 16A	B	Brick mortar - CMU block walls	5	280	SF	Good		Non Detect
26	**Storage room - Room 16 & 16A**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**70**	**LF**	**Good**		**35% Chrysotile**
26	Storage room - Room 16 & 16A	B	Textured plaster - rough texture, walls	43	420	SF	Good		Non Detect
26	**Storage room - Room 16 & 16A**	**B**	**Pipe insulation - magnesia**	**44**	**30**	**LF**	**Good**		**30% Chrysotile**
26	**Storage room - Room 16 & 16A**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**5**	**Each**	**Good**		**30% Chrysotile**
27	**Mechanical - Room 17 & 17A**	**B**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
27	Mechanical - Room 17 & 17A	B	Concrete chip - concrete slab foundation & decks	3	700	SF	Good	17x11	Non Detect
27	Mechanical - Room 17 & 17A	B	Brick mortar - CMU block walls	5	220	SF	Good		Non Detect
27	**Mechanical - Room 17 & 17A**	**B**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**35**	**LF**	**Good**		**35% Chrysotile**
27	**Mechanical - Room 17 & 17A**	**B**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**8**	**Each**	**Good**		**50% Chrysotile**
27	**Mechanical - Room 17 & 17A**	**B**	**Pipe insulation - magnesia**	**44**	**50**	**LF**	**Good**		**30% Chrysotile**
27	**Mechanical - Room 17 & 17A**	**B**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**11**	**Each**	**Good**		**30% Chrysotile**
27	**Mechanical - Room 17 & 17A**	**B**	**Gasket material - fiber gaskets between steel fittings**	**57**	**8**	**Each**	**Good**		**10% Chrysotile**
27	Mechanical - Room 17 & 17A	B	Wallboard - compressor room walls	60	135	SF	Good		Non Detect
28	**Stairwell - SW4**	**S**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
28	Stairwell - SW4	S	Concrete chip - concrete slab foundation & decks	3	585	SF	Good		Non Detect
28	Stairwell - SW4	S	Terrazzo flooring - Grey mix with white, beige, and black stone	4	425	SF	Good		Non Detect
28	Stairwell - SW4	S	Brick mortar - CMU block walls	5	210	SF	Good		Non Detect
28	Stairwell - SW4	S	Brick mortar - grey glazed ceramic block walls	6	310	SF	Good		Non Detect
28	**Stairwell - SW4**	**S**	**Textured plaster - rough texture, ceiling**	**61**	**180**	**SF**	**Good**		**3% Chrysotile**
28	Stairwell - SW4	S	Cove base - 4" grey vinyl with adhesive	62	5	LF	Good		Non Detect
28	**Stairwell - SW4**	**S**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**20**	**LF**	**Good**		**2.25% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
28	**Stairwell - SW4**	**S**	**Vibration dampener - white canvas**	**64**	**25**	**SF**	**Good**		**20% Chrysotile**
29	**Room 101**	**1**	**Fire door & frame - wood**	**2**	**3**	**Each**	**Good**		**Assumed**
29	Room 101	1	Concrete chip - concrete slab foundation & decks	3	400	SF	Good	10x40	Non Detect
29	Room 101	1	Brick mortar - grey glazed ceramic block walls	6	1000	SF	Good		Non Detect
29	Room 101	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	400	SF	Good		Non Detect
29	Room 101	1	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
29	Room 101	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	10	LF	Good		Non Detect
29	**Room 101**	**1**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**5**	**SF**	**Good**	**Electrical boxes**	**10% Chrysotile**
29	**Room 101**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**5**	**SF**	**Good**	**Check under wood frame**	**3% Chrysotile**
30	Room 101A	1	Concrete chip - concrete slab foundation & decks	3	705	SF	Good	18x39	Non Detect
30	Room 101A	1	Brick mortar - grey glazed ceramic block walls	6	1140	SF	Good		Non Detect
30	Room 101A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	705	SF	Good		Non Detect
30	Room 101A	1	Cork wall insulation - inside wall between the two block layers	23	1140	SF	Good		Non Detect
30	Room 101A	1	Brick mortar - 12"x4" concrete bricks	30	5	LF	Good		Non Detect
30	**Room 101A**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**5**	**SF**	**Good**	**Check under wood frame**	**3% Chrysotile**
30	Room 101A	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	940	SF	Poor		Non Detect
30	**Room 101A**	**1**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
31	Room 101B	1	Concrete chip - concrete slab foundation & decks	3	300	SF	Good	10x30	Non Detect
31	Room 101B	1	Brick mortar - grey glazed ceramic block walls	6	800	SF	Good		Non Detect
31	Room 101B	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	300	SF	Good		Non Detect
31	Room 101B	1	Cork wall insulation - inside wall between the two block layers	23	800	SF	Good		Non Detect
31	**Room 101B**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**5**	**SF**	**Good**		**3% Chrysotile**
31	Room 101B	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	129	SF	Poor		Non Detect
31	**Room 101B**	**1**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
32	Room 101C	1	Concrete chip - concrete slab foundation & decks	3	680	SF	Good		Non Detect
32	Room 101C	1	Brick mortar - grey glazed ceramic block walls	6	1040	SF	Good		Non Detect
32	Room 101C	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	680	SF	Good		Non Detect
32	Room 101C	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	30	LF	Good		Non Detect
32	Room 101C	1	Cork wall insulation - inside wall between the two block layers	23	1040	SF	Good		Non Detect
32	**Room 101C**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**10**	**LF**	**Good**		**2.25% Chrysotile**
32	**Room 101C**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**5**	**SF**	**Good**	**Check under wood frame**	**3% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
32	Room 101C	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	670	SF	Poor		Non Detect
32	**Room 101C**	**1**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
33	Room 101D	1	Concrete chip - concrete slab foundation & decks	3	990	SF	Good	32x26	Non Detect
33	Room 101D	1	Brick mortar - grey glazed ceramic block walls	6	1180	SF	Good		Non Detect
33	Room 101D	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	990	SF	Good		Non Detect
33	Room 101D	1	Cork wall insulation - inside wall between the two block layers	23	1180	SF	Good		Non Detect
33	Room 101D	1	Wallboard system - buildout - wet wall	40	320	SF	Good		Non Detect
33	**Room 101D**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**20**	**SF**	**Good**	**Check under wood frame**	**3% Chrysotile**
33	Room 101D	1	Textured plaster - trawled straight	66	5	SF	Good		Non Detect
33	Room 101D	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1040	SF	Poor		Non Detect
33	**Room 101D**	**1**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**8**	**SF**	**Fair**		**4% Chrysotile**
34	**Room 102A**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
34	Room 102A	1	Concrete chip - concrete slab foundation & decks	3	290	SF	Good	15x20	Non Detect
34	Room 102A	1	Brick mortar - grey glazed ceramic block walls	6	685	SF	Good		Non Detect
34	Room 102A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	290	SF	Good		Non Detect
34	**Room 102A**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**80**	**LF**	**Good**		**2% Chrysotile**
34	Room 102A	1	Glue pod - brown	42	75	SF	Good	Above drop ceiling	Non Detect
34	**Room 102A**	**1**	**Pipe insulation - magnesia**	**44**	**30**	**LF**	**Good**		**30% Chrysotile**
34	**Room 102A**	**1**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**2**	**Each**	**Good**		**30% Chrysotile**
34	Room 102A	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	290	SF	Good		Non Detect
34	**Room 102A**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
34	Room 102A	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	290	SF	Good		Non Detect
34	Room 102A	1	Ceiling tile -12" white with 1/4 inch holes	71	290	SF	Good	Above drop ceiling	Non Detect
35	**Room 102**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
35	Room 102	1	Concrete chip - concrete slab foundation & decks	3	270	SF	Good	15x20	Non Detect
35	Room 102	1	Brick mortar - grey glazed ceramic block walls	6	665	SF	Good		Non Detect
35	Room 102	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	270	SF	Good		Non Detect
35	**Room 102**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**80**	**LF**	**Good**		**2% Chrysotile**
35	Room 102	1	Glue pod - brown	42	70	SF	Good	Above drop ceiling	Non Detect
35	Room 102	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	270	SF	Good		Non Detect
35	**Room 102**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
35	Room 102	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	270	SF	Good		Non Detect
35	Room 102	1	Ceiling tile -12" white with 1/4 inch holes	71	270	SF	Good	Above drop ceiling	Non Detect
36	**Room 103**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
36	Room 103	1	Concrete chip - concrete slab foundation & decks	3	150	SF	Good		Non Detect
36	Room 103	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	150	SF	Good		Non Detect
36	**Room 103**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**90**	**LF**	**Good**		**2% Chrysotile**
36	**Room 103**	**1**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**30**	**LF**	**Good**		**35% Chrysotile**
36	**Room 103**	**1**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**13**	**Each**	**Good**		**50% Chrysotile**
36	Room 103	1	Glue pod - brown	42	30	SF	Good		Non Detect
36	Room 103	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	150	LF	Good		Non Detect
37	**Room 103A**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
37	Room 103A	1	Concrete chip - concrete slab foundation & decks	3	136	SF	Good		Non Detect
37	Room 103A	1	Brick mortar - grey glazed ceramic block walls	6	440	SF	Good		Non Detect
37	Room 103A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	136	SF	Good		Non Detect
37	**Room 103A**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**90**	**SF**	**Good**		**2% Chrysotile**
37	**Room 103A**	**1**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**15**	**LF**	**Good**		**35% Chrysotile**
37	**Room 103A**	**1**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**4**	**Each**	**Good**		**50% Chrysotile**
37	**Room 103A**	**1**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**15**	**LF**	**Good**		**45% Chrysotile**
37	**Room 103A**	**1**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**5**	**Each**	**Good**		**45% Chrysotile**
37	Room 103A	1	Glue pod - brown	42	30	SF	Good		Non Detect
37	**Room 103A**	**1**	**Pipe insulation - magnesia**	**44**	**20**	**LF**	**Good**		**30% Chrysotile**
37	**Room 103A**	**1**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**8**	**Each**	**Good**		**30% Chrysotile**
37	Room 103A	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	16	SF	Good		Non Detect
37	**Room 103A**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
37	Room 103A	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	120	SF	Good		Non Detect
38	**Room 104**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
38	Room 104	1	Concrete chip - concrete slab foundation & decks	3	280	SF	Good	20x14	Non Detect
38	Room 104	1	Brick mortar - grey glazed ceramic block walls	6	680	SF	Good		Non Detect
38	Room 104	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	268	SF	Good		Non Detect
38	**Room 104**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**50**	**LF**	**Good**		**2% Chrysotile**
38	Room 104	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	10	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
38	**Room 104**	**1**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**30**	**LF**	**Good**		**35% Chrysotile**
38	**Room 104**	**1**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**13**	**Each**	**Good**		**50% Chrysotile**
38	**Room 104**	**1**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**8**	**LF**	**Good**		**45% Chrysotile**
38	Room 104	1	Glue pod - brown	42	70	SF	Good		Non Detect
38	**Room 104**	**1**	**Pipe insulation - magnesia**	**44**	**10**	**LF**	**Good**		**30% Chrysotile**
38	**Room 104**	**1**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**2**	**Each**	**Good**		**30% Chrysotile**
38	Room 104	1	Ceiling panel - 2'x4' wallboard with vinyl cover	55	280	SF	Good		Non Detect
38	**Room 104**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**80**	**LF**	**Good**		**2.25% Chrysotile**
38	Room 104	1	Ceiling panel - Off white pinhole and fissure (large fissure)	67	280	SF	Good		Non Detect
38	Room 104	1	Pipe insulation - black, tar tape	68	5	LF	Good		Non Detect
39	Hallway 1HW1	1	Concrete chip - concrete slab foundation & decks	3	840	SF	Good		Non Detect
39	Hallway 1HW1	1	Terrazzo flooring - Grey mix with white, beige, and black stone	4	100	SF	Good		Non Detect
39	Hallway 1HW1	1	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
39	Hallway 1HW1	1	Brick mortar - grey glazed ceramic block walls	6	1700	SF	Good		Non Detect
39	Hallway 1HW1	1	Brick mortar - skim coat on CMU block walls	7	10	SF	Good		Non Detect
39	Hallway 1HW1	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	740	SF	Good		Non Detect
39	Hallway 1HW1	1	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
39	**Hallway 1HW1**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**155**	**LF**	**Good**		**2% Chrysotile**
39	**Hallway 1HW1**	**1**	**Pipe insulation - magnesia**	**44**	**75**	**LF**	**Good**		**30% Chrysotile**
39	**Hallway 1HW1**	**1**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**16**	**Each**	**Good**		**30% Chrysotile**
39	**Hallway 1HW1**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**30**	**SF**	**Good**		**3% Chrysotile**
40	Room 105	1	Concrete chip - concrete slab foundation & decks	3	1660	SF	Good		Non Detect
40	Room 105	1	Brick mortar - grey glazed ceramic block walls	6	1725	SF	Good		Non Detect
40	Room 105	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	1660	SF	Good		Non Detect
40	**Room 105**	**1**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**20**	**LF**	**Good**		**35% Chrysotile**
40	**Room 105**	**1**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**7**	**Each**	**Good**		**50% Chrysotile**
40	Room 105	1	Cork wall insulation - inside wall between the two block layers	23	1660	SF	Good		Non Detect
40	**Room 105**	**1**	**Interior caulk - greenish grey, hard, inside electrical boxes**	**25**	**1**	**SF**	**Good**		**10% Chrysotile**
40	**Room 105**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**10**	**SF**	**Good**		**3% Chrysotile**
40	Room 105	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	1465	SF	Poor		Non Detect
40	**Room 105**	**1**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**4**	**SF**	**Fair**		**4% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
41	Room 105B	1	Concrete chip - concrete slab foundation & decks	3	360	SF	Good		Non Detect
41	Room 105B	1	Brick mortar - grey glazed ceramic block walls	6	850	SF	Good		Non Detect
41	Room 105B	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	360	SF	Good		Non Detect
41	**Room 105B**	**1**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**10**	**LF**	**Good**		**35% Chrysotile**
41	Room 105B	1	Cork wall insulation - inside wall between the two block layers	23	850	SF	Good		Non Detect
41	**Room 105B**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**10**	**SF**	**Good**		**3% Chrysotile**
41	Room 105B	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	380	SF	Poor		Non Detect
41	**Room 105B**	**1**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**4**	**SF**	**Fair**		**4% Chrysotile**
42	Room 105A	1	Concrete chip - concrete slab foundation & decks	3	920	SF	Good		Non Detect
42	Room 105A	1	Brick mortar - grey glazed ceramic block walls	6	1275	SF	Good		Non Detect
42	Room 105A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	920	SF	Good		Non Detect
42	Room 105A	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	65	LF	Good		Non Detect
42	Room 105A	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
42	**Room 105A**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**20**	**SF**	**Good**		**3% Chrysotile**
42	Room 105A	1	Cork insulation, remnants (cork & cork adhesive on concrete). Note: Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed per scope of abatement project in 1997.	123	920	SF	Poor		Non Detect
42	**Room 105A**	**1**	**Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas, assoc. with HA-123 (and HA-24 which was previously abated)**	**124**	**4**	**SF**	**Fair**		**4% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
43	Receiving - Room 106, 106A, & 106B	1	Concrete chip - concrete slab foundation & decks	3	1545	SF	Good		Non Detect
43	Receiving - Room 106, 106A, & 106B	1	Brick mortar - CMU block walls	5	1500	SF	Good		Non Detect
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
43	Receiving - Room 106, 106A, & 106B	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	20	LF	Good		Non Detect
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**2**	**Each**	**Good**		**30% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**5**	**LF**	**Good**		**45% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Pipe insulation - magnesia**	**44**	**70**	**LF**	**Good**		**30% Chrysotile**
43	**Receiving - Room 106, 106A, & 106B**	**1**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**14**	**Each**	**Good**		**30% Chrysotile**
43	Receiving - Room 106, 106A, & 106B	1	Brick mortar - exterior siding red brick	69	1465	SF	Good		Non Detect
43	Receiving - Room 106, 106A, & 106B	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	80	SF	Good		Non Detect
44	**Receiving - Room 106C**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
44	Receiving - Room 106C	1	Concrete chip - concrete slab foundation & decks	3	1000	SF	Good		Non Detect
44	Receiving - Room 106C	1	Brick mortar - CMU block walls	5	1600	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
45	**Room 111**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
45	Room 111	1	Concrete chip - concrete slab foundation & decks	3	295	SF	Good		Non Detect
45	Room 111	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	295	SF	Good		Non Detect
45	Room 111	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	30	LF	Good		Non Detect
45	Room 111	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	9	Each	Good		Non Detect
45	Room 111	1	Brick mortar - beige glazed ceramic block	46	540	SF	Good		Non Detect
45	**Room 111**	**1**	**Window glaze - beige glaze, window in metal door**	**49**	**1**	**Each**	**Good**		**Point count: Trace Chrysotile**
46	**Hallway 1HW2**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
46	Hallway 1HW2	1	Concrete chip - concrete slab foundation & decks	3	610	SF	Good		Non Detect
46	Hallway 1HW2	1	Brick mortar - CMU block walls	5	2520	SF	Good		Non Detect
46	Hallway 1HW2	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	610	SF	Good		Non Detect
46	Hallway 1HW2	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	20	LF	Good		Non Detect
46	**Hallway 1HW2**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**10**	**Each**	**Good**		**30% Chrysotile**
46	**Hallway 1HW2**	**1**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**6**	**Each**	**Good**		**50% Chrysotile**
46	Hallway 1HW2	1	Cove base 4" black vinyl with adhesive	41	210	LF	Good		Non Detect
46	Hallway 1HW2	1	Brick mortar - beige glazed ceramic block	46	90	SF	Good		Non Detect
46	**Hallway 1HW2**	**1**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**15**	**SF**	**Good**		**3% Chrysotile**
46	Hallway 1HW2	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	210	SF	Good		Non Detect
46	Hallway 1HW2	1	Ceiling panel - yellowish white, pinhole/fissure (small fissure), grey composite material	72	40	SF	Good		Non Detect
46	Hallway 1HW2	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	570	SF	Good		Non Detect
46	Hallway 1HW2	1	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	74	210	SF	Good		Non Detect
47	**Hallway 1HW3**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**	**35x9**	**Assumed**
47	Hallway 1HW3	1	Concrete chip - concrete slab foundation & decks	3	300	SF	Good		Non Detect
47	Hallway 1HW3	1	Brick mortar - CMU block walls	5	1350	SF	Good		Non Detect
47	Hallway 1HW3	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	300	SF	Good		Non Detect
47	Hallway 1HW3	1	Wallboard system - buildout - wet wall	40	150	SF	Good		Non Detect
47	Hallway 1HW3	1	Cove base 4" black vinyl with adhesive	41	15	LF	Good		Non Detect
47	Hallway 1HW3	1	Brick mortar - beige glazed ceramic block	46	525	SF	Good		Non Detect
47	Hallway 1HW3	1	Cove base - 4" grey vinyl with adhesive	62	15	LF	Good		Non Detect
47	Hallway 1HW3	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	300	SF	Good		Non Detect
47	Hallway 1HW3	1	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	74	35	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
48	**Room 115**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
48	Room 115	1	Concrete chip - concrete slab foundation & decks	3	500	SF	Good	15x23	Non Detect
48	Room 115	1	Brick mortar - CMU block walls	5	500	SF	Good		Non Detect
48	Room 115	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	500	SF	Good		Non Detect
48	Room 115	1	Interior caulk - red, penetrations / void filler	9	15	LF	Good		Non Detect
48	Room 115	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	70	LF	Good		Non Detect
48	Room 115	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	13	Each	Good		Non Detect
48	Room 115	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
48	Room 115	1	Brick mortar - beige glazed ceramic block	46	750	SF	Good		Non Detect
49	**Room 117, 117A, & 117B**	**1**	**Fire door & frame - metal**	**1**	**3**	**Each**	**Good**		**Assumed**
49	Room 117, 117A, & 117B	1	Concrete chip - concrete slab foundation & decks	3	3110	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Brick mortar - CMU block walls	5	1800	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	3100	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - red, penetrations / void filler	9	80	LF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	105	LF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	26	Each	Good		Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Wallboard system - buildout - wet wall	40	550	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Brick mortar - beige glazed ceramic block	46	2000	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - white, hard, on restroom fixtures	47	5	LF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Interior caulk - grey duct caulk	75	15	SF	Good		Non Detect
49	Room 117, 117A, & 117B	1	Cove base - 6" black vinyl with adhesive	76	40	LF	Good	Offices	Non Detect
49	Room 117, 117A, & 117B	1	Window glaze - black caulk, perimeter of office interior window	77	15	LF	Good		Non Detect
49	**Room 117, 117A, & 117B**	**1**	**Roof drain fitting - unknown material**	**78**	**2**	**Each**	**Good**	**Could not sample; no access**	**Assumed**
50	Room 124	1	Concrete chip - concrete slab foundation & decks	3	205	SF	Good		Non Detect
50	Room 124	1	Brick mortar - CMU block walls	5	600	SF	Good		Non Detect
50	Room 124	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	205	SF	Good		Non Detect
50	Room 124	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	180	LF	Good		Non Detect
50	**Room 124**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**18**	**Each**	**Good**		**30% Chrysotile**
50	**Room 124**	**1**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**11**	**Each**	**Good**		**50% Chrysotile**
50	Room 124	1	Brick mortar - beige glazed ceramic block	46	600	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
51	**Room 120**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
51	Room 120	1	Concrete chip - concrete slab foundation & decks	3	880	SF	Good		Non Detect
51	Room 120	1	Brick mortar - CMU block walls	5	1800	SF	Good		Non Detect
51	Room 120	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	880	SF	Good		Non Detect
51	Room 120	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	25	LF	Good		Non Detect
51	Room 120	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	4	Each	Good		Non Detect
51	Room 120	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	35	LF	Good		Non Detect
51	Room 120	1	Cove base 4" black vinyl with adhesive	41	120	LF	Good		Non Detect
51	Room 120	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	880	SF	Good		Non Detect
52	**Room 120A**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
52	Room 120A	1	Concrete chip - concrete slab foundation & decks	3	70	SF	Good		Non Detect
52	Room 120A	1	Brick mortar - CMU block walls	5	450	SF	Good		Non Detect
52	Room 120A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	70	SF	Good		Non Detect
52	Room 120A	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect
52	Room 120A	1	Cove base 4" black vinyl with adhesive	41	25	LF	Good		Non Detect
52	Room 120A	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	70	SF	Good		Non Detect
53	**Room 121**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
53	**Room 122**	**1**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
53	Room 121	1	Concrete chip - concrete slab foundation & decks	3	265	SF	Good		Non Detect
53	Room 121	1	Cove base 4" black vinyl with adhesive	41	70	LF	Good		Non Detect
53	**Room 121**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**25**	**LF**	**Good**		**2.25% Chrysotile**
53	Room 121	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	265	SF	Good		Non Detect
53	**Room 121**	**1**	**Vinyl sheeting - Brown/light squares.**	**79**	**265**	**SF**	**Good**		**15% Chrysotile**
53	**Room 121**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**30**	**LF**	**Good**		**1.75% Chrysotile**
54	Room 122	1	Concrete chip - concrete slab foundation & decks	3	160	SF	Good		Non Detect
54	Room 122	1	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
54	Room 122	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	15	SF	Good		Non Detect
54	Room 122	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	120	LF	Good		Non Detect
54	**Room 122**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**9**	**Each**	**Good**		**30% Chrysotile**
54	Room 122	1	Wallboard system - buildout - wet wall	40	20	SF	Good		Non Detect
54	Room 122	1	Brick mortar - beige glazed ceramic block	46	300	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
54	**Room 122**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
54	**Room 122**	**1**	**Vibration dampener - white canvas**	**64**	**15**	**SF**	**Good**		**20% Chrysotile**
54	Room 122	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	150	SF	Good		Non Detect
54	**Room 122**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**60**	**LF**	**Good**		**1.75% Chrysotile**
55	**Room 123**	**1**	**Fire door & frame - metal**	**1**	**3**	**Each**	**Good**		**Assumed**
55	Room 123	1	Concrete chip - concrete slab foundation & decks	3	680	SF	Good	40x17	Non Detect
55	Room 123	1	Brick mortar - CMU block walls	5	1000	SF	Good		Non Detect
55	Room 123	1	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	40	LF	Good		Non Detect
55	**Room 123**	**1**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**3**	**Each**	**Good**		**30% Chrysotile**
55	**Room 123**	**1**	**Hanger mud - on brown colored paper wrapped fiberglass insulation lines**	**17**	**2**	**Each**	**Good**		**50% Chrysotile**
55	Room 123	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	140	SF	Good		Non Detect
55	Room 123	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	680	SF	Good		Non Detect
56	**Room 148A**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
56	Room 148A	1	Concrete chip - concrete slab foundation & decks	3	270	SF	Good	19x14	Non Detect
56	Room 148A	1	Brick mortar - CMU block walls	5	660	SF	Good		Non Detect
56	Room 148A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	270	SF	Good		Non Detect
56	Room 148A	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	55	LF	Good		Non Detect
56	Room 148A	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	3	Each	Good		Non Detect
56	Room 148A	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	1	SF	Good		Non Detect
56	Room 148A	1	Cove base 4" black vinyl with adhesive	41	65	LF	Good		Non Detect
56	Room 148A	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	60	SF	Good		Non Detect
56	Room 148A	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	270	SF	Good		Non Detect
56	**Room 148A**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**60**	**LF**	**Good**		**1.75% Chrysotile**
56	Room 148A	1	Ceramic tile, grout, mortar - 2" blue floor tile	81	25	SF	Good		Non Detect
56	Room 148A	1	Ceramic tile, grout, mortar - 4" blue wall tile	82	40	SF	Good		Non Detect
56	Room 148A	1	Expansion joint - Concrete slab foundation	84	15	LF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Concrete chip - concrete slab foundation & decks	3	325	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Brick mortar - CMU block walls	5	1750	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	325	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	85	LF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
57	Hallway 1HW4 & 135	1	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Cove base 4" black vinyl with adhesive	41	145	LF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	125	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	325	SF	Good		Non Detect
57	Hallway 1HW4 & 135	1	Carpet mastic - green	85	325	SF	Good		Non Detect
58	Room 150	1	Concrete chip - concrete slab foundation & decks	3	310	SF	Good	15x18	Non Detect
58	Room 150	1	Brick mortar - CMU block walls	5	620	SF	Good		Non Detect
58	Room 150	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	310	SF	Good		Non Detect
58	Room 150	1	Cove base 4" black vinyl with adhesive	41	60	LF	Good		Non Detect
58	**Room 150**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**35**	**LF**	**Good**		**2.25% Chrysotile**
58	Room 150	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	35	SF	Good		Non Detect
58	Room 150	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	310	SF	Good		Non Detect
58	**Room 150**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**50**	**LF**	**Good**		**1.75% Chrysotile**
59	**Women's restroom - Room 146**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
59	Women's restroom - Room 146	1	Concrete chip - concrete slab foundation & decks	3	108	SF	Good		Non Detect
59	Women's restroom - Room 146	1	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
59	Women's restroom - Room 146	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	108	SF	Good		Non Detect
59	Women's restroom - Room 146	1	Interior caulk - white, seam of counter and backsplash	83	15	LF	Good		Non Detect
60	**Room 152 & 154**	**1**	**Fire door & frame - wood**	**2**	**3**	**Each**	**Good**		**Assumed**
60	Room 152 & 154	1	Concrete chip - concrete slab foundation & decks	3	285	SF	Good		Non Detect
60	Room 152 & 154	1	Brick mortar - CMU block walls	5	460	SF	Good		Non Detect
60	Room 152 & 154	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	285	SF	Good		Non Detect
60	Room 152 & 154	1	Cove base 4" black vinyl with adhesive	41	50	LF	Good		Non Detect
60	**Room 152 & 154**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**35**	**LF**	**Good**		**2.25% Chrysotile**
60	Room 152 & 154	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	90	SF	Good		Non Detect
60	Room 152 & 154	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	360	SF	Good		Non Detect
60	**Room 152 & 154**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**45**	**LF**	**Good**		**1.75% Chrysotile**
61	**Room 144**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
61	Room 144	1	Concrete chip - concrete slab foundation & decks	3	35	SF	Good		Non Detect
61	Room 144	1	Brick mortar - CMU block walls	5	150	SF	Good		Non Detect
61	Room 144	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	35	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
61	Room 144	1	Cove base 4" black vinyl with adhesive	41	35	LF	Good		Non Detect
61	Room 144	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	35	SF	Good		Non Detect
62	**Men's restroom - Room 142**	**1**	**Fire door & frame - wood**	**2**	**2**	**Each**	**Good**		**Assumed**
62	Men's restroom - Room 142	1	Concrete chip - concrete slab foundation & decks	3	240	SF	Good		Non Detect
62	Men's restroom - Room 142	1	Brick mortar - CMU block walls	5	325	SF	Good		Non Detect
62	Men's restroom - Room 142	1	Cove base 4" black vinyl with adhesive	41	75	LF	Good		Non Detect
62	Men's restroom - Room 142	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	240	SF	Good		Non Detect
62	Men's restroom - Room 142	1	Interior caulk - white, seam of counter and backsplash	83	5	LF	Good		Non Detect
63	**Closet - Room 140**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
63	Closet - Room 140	1	Concrete chip - concrete slab foundation & decks	3	35	SF	Good		Non Detect
63	Closet - Room 140	1	Brick mortar - CMU block walls	5	280	SF	Good		Non Detect
63	Closet - Room 140	1	Cove base 4" black vinyl with adhesive	41	25	LF	Good		Non Detect
63	Closet - Room 140	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	35	SF	Good		Non Detect
64	**Room 134**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
64	Room 134	1	Concrete chip - concrete slab foundation & decks	3	240	SF	Good		Non Detect
64	Room 134	1	Brick mortar - CMU block walls	5	700	LF	Good		Non Detect
64	Room 134	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	240	SF	Good		Non Detect
64	Room 134	1	Cove base 4" black vinyl with adhesive	41	70	LF	Good		Non Detect
64	**Room 134**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**30**	**LF**	**Good**		**2.25% Chrysotile**
64	Room 134	1	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	80	SF	Good		Non Detect
64	Room 134	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	240	SF	Good		Non Detect
64	**Room 134**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block.**	**80**	**30**	**LF**	**Good**		**1.75% Chrysotile**
65	**Room 139**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
65	Room 139	1	Concrete chip - concrete slab foundation & decks	3	75	SF	Good		Non Detect
65	Room 139	1	Brick mortar - CMU block walls	5	215	SF	Good		Non Detect
65	Room 139	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	75	SF	Good		Non Detect
65	Room 139	1	Wallboard system - buildout - wet wall	40	150	SF	Good		Non Detect
65	Room 139	1	Cove base 4" black vinyl with adhesive	41	40	LF	Good		Non Detect
65	Room 139	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	75	SF	Good		Non Detect
65	Room 139	1	Interior caulk - grey duct caulk	75	1	SF	Good		Non Detect
66	**Room 138**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
66	Room 138	1	Concrete chip - concrete slab foundation & decks	3	200	SF	Good		Non Detect
66	Room 138	1	Brick mortar - CMU block walls	5	400	SF	Good		Non Detect
66	Room 138	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
66	Room 138	1	Wallboard system - buildout - wet wall	40	150	SF	Good		Non Detect
66	Room 138	1	Cove base 4" black vinyl with adhesive	41	60	LF	Good		Non Detect
66	**Room 138**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
66	Room 138	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	200	SF	Good		Non Detect
66	Room 138	1	Interior caulk - grey duct caulk	75	1	SF	Good		Non Detect
66	**Room 138**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block**	**80**	**40**	**LF**	**Good**		**1.75% Chrysotile**
67	**Room 136**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
67	Room 136	1	Concrete chip - concrete slab foundation & decks	3	175	SF	Good		Non Detect
67	Room 136	1	Brick mortar - CMU block walls	5	300	SF	Good		Non Detect
67	Room 136	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	175	SF	Good		Non Detect
67	Room 136	1	Cove base 4" black vinyl with adhesive	41	60	LF	Good		Non Detect
67	**Room 136**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**65**	**LF**	**Good**		**2.25% Chrysotile**
67	Room 136	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	175	SF	Good		Non Detect
67	Room 136	1	Interior caulk - grey duct caulk	75	1	SF	Good		Non Detect
67	**Room 136**	**1**	**Interior caulk - Brown caulk - Perimeter of glass block**	**80**	**75**	**LF**	**Good**		**1.75% Chrysotile**
68	**Room 135A**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
68	**Room 135A**	**1**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
68	Room 135A	1	Concrete chip - concrete slab foundation & decks	3	135	SF	Good		Non Detect
68	Room 135A	1	Brick mortar - CMU block walls	5	340	SF	Good		Non Detect
68	Room 135A	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	60	SF	Good		Non Detect
68	Room 135A	1	Cove base 4" black vinyl with adhesive	41	30	LF	Good		Non Detect
68	**Room 135A**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**40**	**LF**	**Good**		**2.25% Chrysotile**
68	Room 135A	1	Ceiling panel - white, various size pinhole texture, beige composite material	73	135	SF	Good		Non Detect
68	**Room 135A**	**1**	**Transite window sill**	**86**	**20**	**SF**	**Good**		**Assumed**
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Fire door & frame - metal**	**1**	**5**	**Each**	**Good**		**Assumed**
69	Room 201, 201A,210, 210A, 210B	2	Concrete chip - concrete slab foundation & decks	3	7,460	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Brick mortar - CMU block walls	5	425	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	2,800	SF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
69	Room 201, 201A,210, 210A, 210B	2	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	600	LF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	1,105	Each	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	20	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	60	LF	Good		Non Detect
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**10**	**Each**	**Good**		**30% Chrysotile**
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**10**	**LF**	**Good**		**45% Chrysotile**
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
69	Room 201, 201A,210, 210A, 210B	2	Ceiling panel - 2' white pinhole/fissure texture	29	7,380	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Wallboard system - buildout - wet wall	40	450	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Cove base 4" black vinyl with adhesive	41	50	LF	Good		Non Detect
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Pipe insulation - magnesia**	**44**	**30**	**LF**	**Good**		**30% Chrysotile**
69	**Room 201, 201A,210, 210A, 210B**	**2**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**6**	**Each**	**Good**		**30% Chrysotile**
69	Room 201, 201A,210, 210A, 210B	2	Brick mortar - beige glazed ceramic block	46	1,540	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	140	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Ceiling panel - white, various size pinhole texture, beige composite material	73	150	SF	Good		Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Interior caulk - black, perimeter of aluminum window frames	87	135	LF	Good	9 Windows	Non Detect
69	Room 201, 201A,210, 210A, 210B	2	Floor tile - 12" wood pattern stick-on tile	88	100	SF	Good		Non Detect
70	**Room 206**	**2**	**Fire door & frame - metal**	**1**	**3**	**Each**	**Good**		**Assumed**
70	Room 206	2	Concrete chip - concrete slab foundation & decks	3	2,690	SF	Good		Non Detect
70	Room 206	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	20	SF	Good		Non Detect
70	Room 206	2	Brick mortar - CMU block walls	5	25	SF	Good		Non Detect
70	Room 206	2	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	200	SF	Good		Non Detect
70	Room 206	2	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	280	LF	Good		Non Detect
70	Room 206	2	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	44	Each	Good		Non Detect
70	Room 206	2	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	10	SF	Good		Non Detect
70	Room 206	2	Brick mortar - beige glazed ceramic block	46	2,000	SF	Good		Non Detect
70	Room 206	2	Rolled-in insulation - plastic wrapped fiberglass duct insulation	70	35	SF	Good		Non Detect
70	Room 206	2	Interior caulk - black, perimeter of aluminum window frames	87	150	LF	Good		Non Detect
71	Men's restroom - Room 207	2	Concrete chip - concrete slab foundation & decks	3	126	SF	Good		Non Detect
71	Men's restroom - Room 207	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	126	SF	Good		Non Detect
71	**Men's restroom - Room 207**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**40**	**LF**	**Good**		**2% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
71	**Men's restroom - Room 207**	**2**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**10**	**LF**	**Good**		**45% Chrysotile**
71	**Men's restroom - Room 207**	**2**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
71	Men's restroom - Room 207	2	Brick mortar - beige glazed ceramic block	46	400	SF	Good		Non Detect
71	**Men's restroom - Room 207**	**2**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**20**	**LF**	**Good**		**2.25% Chrysotile**
71	Men's restroom - Room 207	2	Window glaze - beige glaze on window interior	89	2	Each	Good		Non Detect
72	Women's restroom - Room 209	2	Concrete chip - concrete slab foundation & decks	3	330	SF	Good		Non Detect
72	Women's restroom - Room 209	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	126	SF	Good		Non Detect
72	Women's restroom - Room 209	2	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
72	**Women's restroom - Room 209**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
72	**Women's restroom - Room 209**	**2**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**10**	**LF**	**Good**		**45% Chrysotile**
72	**Women's restroom - Room 209**	**2**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**1**	**Each**	**Good**		**45% Chrysotile**
72	Women's restroom - Room 209	2	Brick mortar - beige glazed ceramic block	46	400	SF	Good		Non Detect
72	**Women's restroom - Room 209**	**2**	**Window glaze - beige glaze, window in metal door**	**49**	**1**	**Each**	**Good**		**Point count: Trace Chrysotile**
72	**Women's restroom - Room 209**	**2**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**60**	**LF**	**Good**		**2.25% Chrysotile**
72	Women's restroom - Room 209	2	Window glaze - beige glaze on window interior	89	3	Each	Good		Non Detect
73	Hallway 2HW1	2	Concrete chip - concrete slab foundation & decks	3	360	SF	Good		Non Detect
73	Hallway 2HW1	2	Terrazzo flooring - Grey mix with white, beige, and black stone	4	100	SF	Good		Non Detect
73	Hallway 2HW1	2	Brick mortar - CMU block walls	5	150	SF	Good		Non Detect
73	Hallway 2HW1	2	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
73	**Hallway 2HW1**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**110**	**LF**	**Good**		**2% Chrysotile**
73	Hallway 2HW1	2	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	20	LF	Good		Non Detect
73	Hallway 2HW1	2	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	1	Each	Good		Non Detect
73	Hallway 2HW1	2	Brick mortar - beige glazed ceramic block	46	900	SF	Good		Non Detect
73	**Hallway 2HW1**	**2**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**20**	**SF**	**Good**		**3% Chrysotile**
74	Janitorial closet - Room 208	2	Concrete chip - concrete slab foundation & decks	3	55	SF	Good		Non Detect
74	Janitorial closet - Room 208	2	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
74	**Janitorial closet - Room 208**	**2**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**20**	**LF**	**Good**		**2% Chrysotile**
74	Janitorial closet - Room 208	2	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	10	LF	Good		Non Detect
74	**Janitorial closet - Room 208**	**2**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**2**	**Each**	**Fair**		**30% Chrysotile**
74	**Janitorial closet - Room 208**	**2**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**20**	**LF**	**Good**		**35% Chrysotile**
74	**Janitorial closet - Room 208**	**2**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**5**	**Each**	**Fair**		**50% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
74	Janitorial closet - Room 208	2	Brick mortar - beige glazed ceramic block	46	180	SF	Good		Non Detect
75	**Room 114**	**1**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
75	Room 114	1	Concrete chip - concrete slab foundation & decks	3	150	SF	Good		Non Detect
75	Room 114	1	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	150	SF	Good		Non Detect
75	Room 114	1	Wallboard system - buildout - wet wall	40	425	SF	Good		Non Detect
75	Room 114	1	Cove base 4" black vinyl with adhesive	41	50	LF	Good		Non Detect
75	Room 114	1	Brick mortar - beige glazed ceramic block	46	120	SF	Good		Non Detect
75	**Room 114**	**1**	**Interior caulk - grey, hard, perimeter of metal window frame**	**63**	**30**	**LF**	**Good**		**2.25% Chrysotile**
76	**Hallway 3HW1**	**3**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
76	Hallway 3HW1	3	Concrete chip - concrete slab foundation & decks	3	690	SF	Good		Non Detect
76	Hallway 3HW1	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	40	SF	Good		Non Detect
76	Hallway 3HW1	3	Brick mortar - CMU block walls	5	35	SF	Good		Non Detect
76	Hallway 3HW1	3	Brick mortar - grey glazed ceramic block walls	6	1,655	SF	Good		Non Detect
76	Hallway 3HW1	3	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	8	600	SF	Good		Non Detect
76	Hallway 3HW1	3	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
76	**Hallway 3HW1**	**3**	**Interior caulk - Dark brown, perimeter of door/window frames**	**11**	**50**	**LF**	**Good**		**2% Chrysotile**
76	Hallway 3HW1	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	65	LF	Good		Non Detect
76	Hallway 3HW1	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
76	Hallway 3HW1	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	1	SF	Good		Non Detect
76	**Hallway 3HW1**	**3**	**Construction adhesive - black / dark brown, under steel corner guard**	**65**	**5**	**SF**	**Good**		**3% Chrysotile**
77	**Room 306**	**3**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
77	Room 306	3	Concrete chip - concrete slab foundation & decks	3	3,165	SF	Good		Non Detect
77	Room 306	3	Interior caulk - red, penetrations / void filler	9	5	SF	Good		Non Detect
77	Room 306	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	260	LF	Good		Non Detect
77	Room 306	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	40	Each	Good		Non Detect
77	Room 306	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
77	**Room 306**	**3**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**5**	**LF**	**Good**		**35% Chrysotile**
77	**Room 306**	**3**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**4**	**Each**	**Good**		**50% Chrysotile**
77	Room 306	3	Brick mortar - 12"x4" concrete bricks	30	750	SF	Good		Non Detect
77	Room 306	3	Interior caulk - black, perimeter of aluminum window frames	87	120	SF	Good	8 windows	Non Detect
78	**Room 301 & 301A**	**3**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
78	Room 301 & 301A	3	Concrete chip - concrete slab foundation & decks	3	2,030	SF	Good		Non Detect
78	Room 301 & 301A	3	Brick mortar - CMU block walls	5	3,465	SF	Good		Non Detect
78	Room 301 & 301A	3	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
78	Room 301 & 301A	3	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
78	Room 301 & 301A	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	200	LF	Good		Non Detect
78	Room 301 & 301A	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	24	LF	Good		Non Detect
78	Room 301 & 301A	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	12	Each	Good		Non Detect
78	Room 301 & 301A	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	45	LF	Good		Non Detect
78	**Room 301 & 301A**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**12**	**Each**	**Good**		**30% Chrysotile**
78	**Room 301 & 301A**	**3**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**10**	**LF**	**Good**		**35% Chrysotile**
78	**Room 301 & 301A**	**3**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**4**	**Each**	**Good**		**50% Chrysotile**
78	Room 301 & 301A	3	Brick mortar - 12"x4" concrete bricks	30	225	SF	Good		Non Detect
78	**Room 301 & 301A**	**3**	**Pipe insulation - magnesia**	**44**	**10**	**LF**	**Good**		**30% Chrysotile**
78	**Room 301 & 301A**	**3**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**7**	**Each**	**Good**		**30% Chrysotile**
78	Room 301 & 301A	3	Interior caulk - black, perimeter of aluminum window frames	87	45	LF	Good		Non Detect
79	**Room 302 & 302A**	**3**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
79	**Room 302 & 302A**	**3**	**Fire door & frame - wood**	**2**	**2**	**Each**	**Good**		**Assumed**
79	Room 302 & 302A	3	Concrete chip - concrete slab foundation & decks	3	3,275	SF	Good		Non Detect
79	Room 302 & 302A	3	Brick mortar - CMU block walls	5	2,765	SF	Good		Non Detect
79	Room 302 & 302A	3	Interior caulk - red, penetrations / void filler	9	1	LF	Good		Non Detect
79	Room 302 & 302A	3	Interior caulk - grey, penetrations / void filler	10	1	LF	Good		Non Detect
79	Room 302 & 302A	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	65	LF	Good		Non Detect
79	Room 302 & 302A	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	14	Each	Good		Non Detect
79	Room 302 & 302A	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
79	Room 302 & 302A	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	30	LF	Good		Non Detect
79	**Room 302 & 302A**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**9**	**Each**	**Good**		**30% Chrysotile**
79	Room 302 & 302A	3	Brick mortar - 12"x4" concrete bricks	30	45	SF	Good		Non Detect
79	Room 302 & 302A	3	Interior caulk - black, perimeter of aluminum window frames	87	120	LF	Good		Non Detect
80	**Room 302B**	**3**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
80	**Room 302B**	**3**	**Fire door & frame - wood**	**2**	**1**	**Each**	**Good**		**Assumed**
80	Room 302B	3	Concrete chip - concrete slab foundation & decks	3	1,560	SF	Good		Non Detect

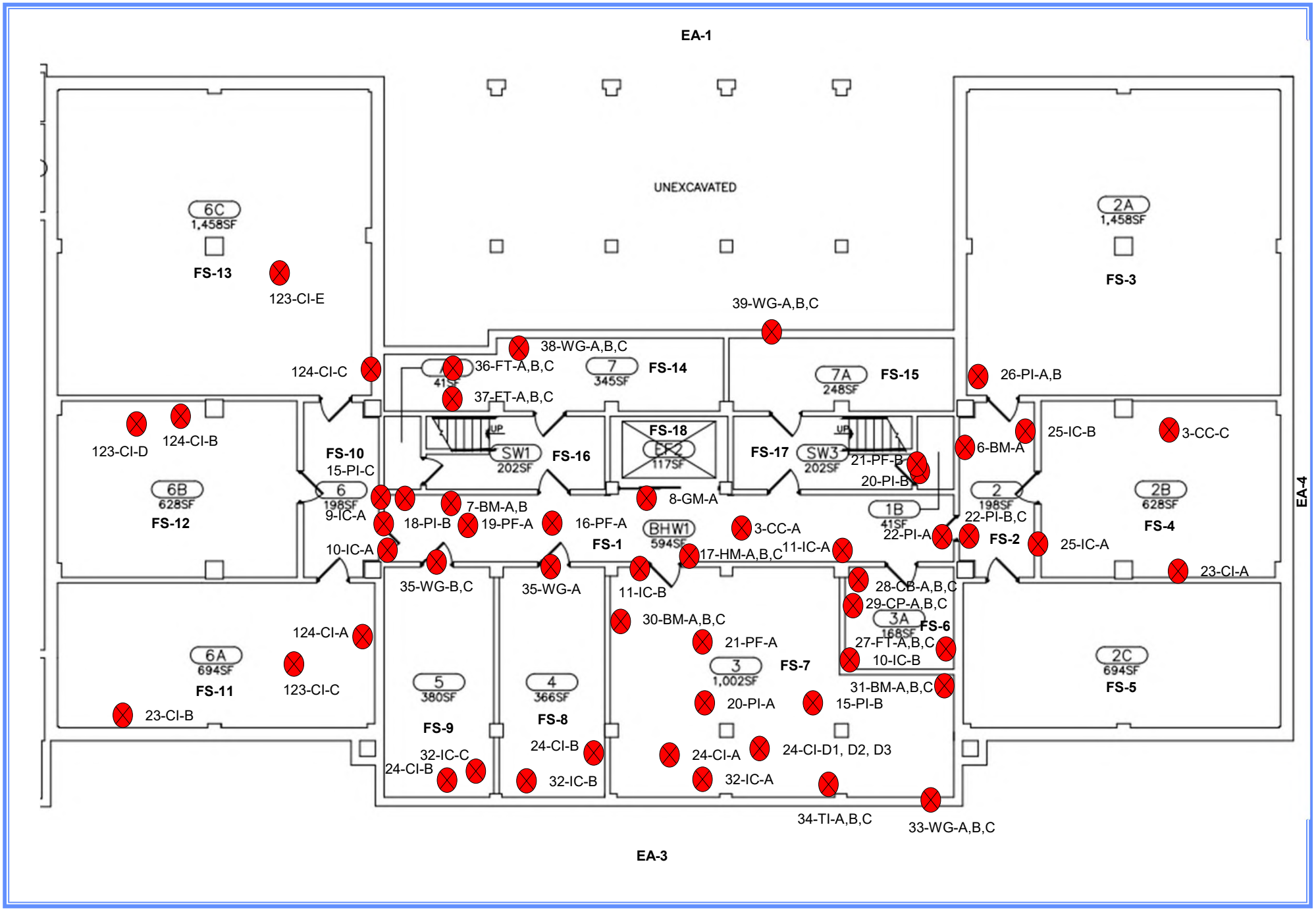
FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
80	Room 302B	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	20	SF	Good		Non Detect
80	Room 302B	3	Brick mortar - CMU block walls	5	80	SF	Good		Non Detect
80	Room 302B	3	Brick mortar - grey glazed ceramic block walls	6	145	SF	Good		Non Detect
80	Room 302B	3	Interior caulk - red, penetrations / void filler	9	1	SF	Good		Non Detect
80	Room 302B	3	Interior caulk - grey, penetrations / void filler	10	1	SF	Good		Non Detect
80	Room 302B	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	270	LF	Good		Non Detect
80	Room 302B	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	30	Each	Good		Non Detect
80	Room 302B	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	5	SF	Good		Non Detect
80	Room 302B	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	15	LF	Good		Non Detect
80	**Room 302B**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**5**	**Each**	**Good**		**30% Chrysotile**
80	Room 302B	3	Brick mortar - 12"x4" concrete bricks	30	75	SF	Good		Non Detect
80	Room 302B	3	Interior caulk - black, perimeter of aluminum window frames	87	60	LF	Good		Non Detect
81	**Room 303**	**3**	**Fire door & frame - metal**	**1**	**1**	**Each**	**Good**		**Assumed**
81	Room 303	3	Concrete chip - concrete slab foundation & decks	3	1,200	SF	Good		Non Detect
81	Room 303	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	155	SF	Good		Non Detect
81	Room 303	3	Brick mortar - CMU block walls	5	80	SF	Good		Non Detect
81	Room 303	3	Brick mortar - grey glazed ceramic block walls	6	450	SF	Good		Non Detect
81	Room 303	3	Interior caulk - red, penetrations / void filler	9	5	LF	Good		Non Detect
81	Room 303	3	Interior caulk - grey, penetrations / void filler	10	5	LF	Good		Non Detect
81	Room 303	3	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	12	80	LF	Good		Non Detect
81	Room 303	3	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	13	6	Each	Good		Non Detect
81	Room 303	3	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	14	1	SF	Good		Non Detect
81	Room 303	3	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	15	85	LF	Good		Non Detect
81	**Room 303**	**3**	**Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines**	**16**	**13**	**Each**	**Good**		**30% Chrysotile**
81	**Room 303**	**3**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**90**	**LF**	**Good**		**35% Chrysotile**
81	**Room 303**	**3**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**14**	**Each**	**Good**		**50% Chrysotile**
81	**Room 303**	**3**	**Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted**	**20**	**15**	**LF**	**Good**		**45% Chrysotile**
81	**Room 303**	**3**	**Pipe fitting - canvas covered mudded fittings, on aircell steam line**	**21**	**2**	**Each**	**Good**		**45% Chrysotile**
81	**Room 303**	**3**	**Pipe insulation - magnesia**	**44**	**60**	**LF**	**Good**		**30% Chrysotile**
81	**Room 303**	**3**	**Pipe fitting - canvas wrapped mudded fitting on magnesia line**	**45**	**2**	**Each**	**Good**		**30% Chrysotile**
81	Room 303	3	Interior caulk - black, perimeter of aluminum window frames	87	60	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
82	Room 304	3	Concrete chip - concrete slab foundation & decks	3	80	SF	Good		Non Detect
82	Room 304	3	Brick mortar - grey glazed ceramic block walls	6	165	SF	Good		Non Detect
82	**Room 304**	**3**	**Pipe insulation - wool felt, blue colored sprinkler lines**	**18**	**15**	**LF**	**Good**		**35% Chrysotile**
82	**Room 304**	**3**	**Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines**	**19**	**6**	**Each**	**Good**		**50% Chrysotile**
83	Restroom - Room 305	3	Concrete chip - concrete slab foundation & decks	3	415	SF	Good		Non Detect
83	Restroom - Room 305	3	Terrazzo flooring - Grey mix with white, beige, and black stone	4	415	SF	Good		Non Detect
83	Restroom - Room 305	3	Brick mortar - grey glazed ceramic block walls	6	120	SF	Good		Non Detect
83	Restroom - Room 305	3	Window glaze - beige glaze on window interior	89	1	Each	Good		Non Detect
84	**Penthouse**	**3**	**Fire door & frame - metal**	**1**	**2**	**Each**	**Good**		**Assumed**
84	Penthouse	3	Concrete chip - concrete slab foundation & decks	3	80	SF	Good		Non Detect
84	Penthouse	3	Brick mortar - skim coat on CMU block walls	7	320	SF	Good		Non Detect
84	Penthouse	3	Window glaze - beige glaze on window interior	89	1	Each	Fair		Non Detect
EA-1	East side of the building exterior	1	Brick mortar - exterior siding red brick	69	7170	SF	Good		Non Detect
EA-1	**East side of the building exterior**	**1**	**Expansion joint - brick siding, white, alligator cracking pattern**	**91**	**130**	**LF**	**Good**		**2% Chrysotile**
EA-1	East side of the building exterior	1	Expansion joint - between building foundation and concrete walkway	92	40	LF	Good		Non Detect
EA-1	East side of the building exterior	1	Concrete chip - exterior concrete	93	130	SF	Good		Non Detect
EA-1	East side of the building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	270	SF	Good		Non Detect
EA-1	East side of the building exterior	1	Glass block mortar/grout, grey, between glass block window tiles, and around perimeter	95	65	LF	Good		Non Detect
EA-1	East side of the building exterior	1	Exterior caulk - grey, perimeter of glass block windows	96	155	LF	Good		Non Detect
EA-1	**East side of the building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**240**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-1	East side of the building exterior	1	Window glaze, grey, soft, perimeter of glass window in metal door	99	15	LF	Good		Non Detect
EA-1	**East side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of door frames**	**100**	**20**	**LF**	**Good**		**7% Chrysotile**
EA-1	East side of the building exterior	1	Exterior caulk - black, perimeter of door frames	101	15	LF	Good		Non Detect
EA-1	**East side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**200**	**LF**	**Good**		**5% Chrysotile**
EA-1	East side of the building exterior	1	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	104	240	LF	Good		Non Detect
EA-2	North side of the building exterior	1	Brick mortar - exterior siding red brick	69	1600	SF	Good		Non Detect
EA-2	North side of the building exterior	1	Concrete chip - exterior concrete	93	224	SF	Good		Non Detect
EA-2	North side of the building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	95	SF	Good		Non Detect
EA-2	North side of the building exterior	1	Glass block mortar/grout, grey, between glass block window tiles, and around perimeter	95	255	SF	Good		Non Detect
EA-2	North side of the building exterior	1	Exterior caulk - grey, perimeter of glass block windows	96	155	LF	Good		Non Detect
EA-2	**North side of the building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**200**	**LF**	**Fair**		**PC: 0.25% Chrysotile**

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
EA-2	**North side of the building exterior**	**1**	**Window glaze - basement steel windows**	**98**	**175**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of door frames**	**100**	**20**	**LF**	**Good**		**7% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**155**	**LF**	**Good**		**5% Chrysotile**
EA-2	**North side of the building exterior**	**1**	**Exterior caulk - grey, perimeter of steel basement windows**	**103**	**200**	**LF**	**Good**		**6% Chrysotile**
EA-3	West side of building exterior	1	Brick mortar - exterior siding red brick	69	7170	SF	Good		Non Detect
EA-3	**West side of building exterior**	**1**	**Expansion joint - concrete foundation walls**	**90**	**5**	**LF**	**Good**		**8% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Expansion joint - brick siding, white, alligator cracking pattern**	**91**	**125**	**LF**	**Good**		**2% Chrysotile**
EA-3	West side of building exterior	1	Expansion joint - between building foundation and concrete walkway	92	150	LF	Good		Non Detect
EA-3	West side of building exterior	1	Concrete chip - exterior concrete	93	1000	SF	Good		Non Detect
EA-3	West side of building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	270	SF	Good		Non Detect
EA-3	West side of building exterior	1	Glass block mortar/grout, grey, between glass block window tiles, and around perimeter	95	730	SF	Good		Non Detect
EA-3	West side of building exterior	1	Exterior caulk - grey, perimeter of glass block windows	96	155	LF	Good		Non Detect
EA-3	**West side of building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**600**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Window glaze - basement steel windows**	**98**	**200**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Exterior caulk - grey, perimeter of door frames**	**100**	**30**	**LF**	**Good**		**7% Chrysotile**
EA-3	West side of building exterior	1	Exterior caulk - black, perimeter of door frames	101	30	LF	Good		Non Detect
EA-3	**West side of building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**350**	**LF**	**Good**		**5% Chrysotile**
EA-3	**West side of building exterior**	**1**	**Exterior caulk - grey, perimeter of steel basement windows**	**103**	**150**	**LF**	**Good**		**6% Chrysotile**
EA-3	West side of building exterior	1	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	104	140	LF	Good		Non Detect
EA-4	South side of building exterior	1	Brick mortar - exterior siding red brick	69	2900	SF	Good		Non Detect
EA-4	**South side of building exterior**	**1**	**Expansion joint - brick siding, white, alligator cracking pattern**	**91**	**45**	**LF**	**Good**		**2% Chrysotile**
EA-4	South side of building exterior	1	Expansion joint - between building foundation and concrete walkway	92	70	SF	Good		Non Detect
EA-4	South side of building exterior	1	Concrete chip - exterior concrete	93	224	SF	Good		Non Detect
EA-4	South side of building exterior	1	Water proofing - black spray-on, concrete foundation, mostly below grade	94	80	SF	Good		Non Detect
EA-4	**South side of building exterior**	**1**	**Window glaze - multi-pane steel windows**	**97**	**20**	**LF**	**Fair**		**PC: 0.25% Chrysotile**
EA-4	**South side of building exterior**	**1**	**Exterior caulk - grey, perimeter of steel multi-pane windows**	**102**	**20**	**LF**	**Good**		**5% Chrysotile**
EA-4	South side of building exterior	1	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	104	150	LF	Good		Non Detect
EA-5	Roof	1	Roofing materials - flat rubber membrane roof with vapor paper, and various tars	105	24300	SF	Good		Non Detect
EA-5	Roof	1	Concrete chip - 16" concrete walking tiles	106	135	SF	Poor		Non Detect
EA-5	Roof	1	Terracotta - capstone	107	375	SF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - grey, between terracotta capstone	108	190	LF	Good		Non Detect

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Condition	Notes	Asbestos (Y/N/Assumed)
EA-5	Roof	1	Exterior caulk - black, flashing on parapet wall	109	780	SF	Good	All in SF because its smooshed on parapet wall	Non Detect
EA-5	Roof	1	Exterior caulk - black, on penthouse brick flashing	110	60	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - dark grey, perimeter of metal door frame	111	20	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - light grey, penthouse wall penetrations	112	5	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - grey, soft, elastic, on metal pipe insulation	113	25	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - white, soft elastic, on plastic pipe fittings	114	15	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - grey, on roof penetrations, fencing base	115	50	SF	Good	All in SF because its smooshed on flashing	Non Detect
EA-5	Roof	1	Exterior caulk - grey, seams of concrete capstone	116	200	LF	Good		Non Detect
EA-5	**Roof**	**1**	**Exterior caulk - dark grey, under concrete capstone**	**117**	**400**	**SF**	**Good**	**All in SF because its smooshed on flashing**	**10% Chrysotile**
EA-5	Roof	1	Exterior caulk - grey, hard, on seams of HVAC vents	118	20	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - pink, hard, on seams of HVAC vents	119	30	LF	Good		Non Detect
EA-5	Roof	1	Exterior caulk - white, on angle iron above window frame	120	5	LF	Good		Non Detect
EA-5	**Roof**	**1**	**Exterior caulk - grey, on wall vent perimeter**	**121**	**35**	**LF**	**Good**	**Lower roof, on FS-28, N ext. wall**	**5% Chrysotile**
EA-5	**Roof**	**1**	**Exterior caulk - black, on parapet wall seams**	**122**	**800**	**SF**	**Good**	**All in SF because its smooshed on parapet wall**	**5% Chrysotile**

APPENDIX II
DRAWINGS



ATLAS

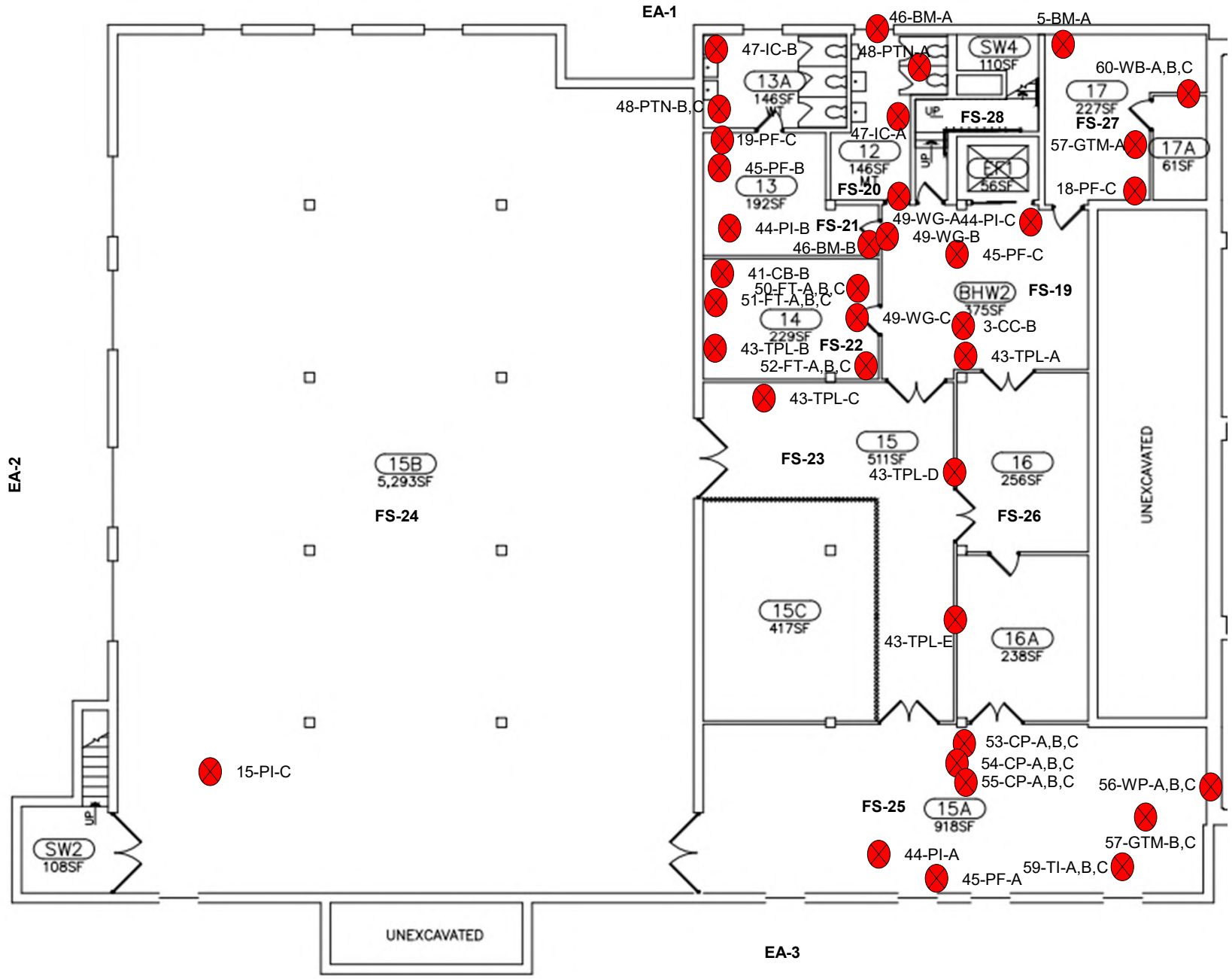
Michigan State University
Central Services Building
570 Red Cedar Road
East Lansing, Michigan 48824

N W E S

Asbestos Bulk Sampling Location Map
Basement - South Portion

PROJECT NUMBER: 188BS24700	
DRAWN BY: AHD	REVIEWED BY Atlas
	DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147



ATLAS

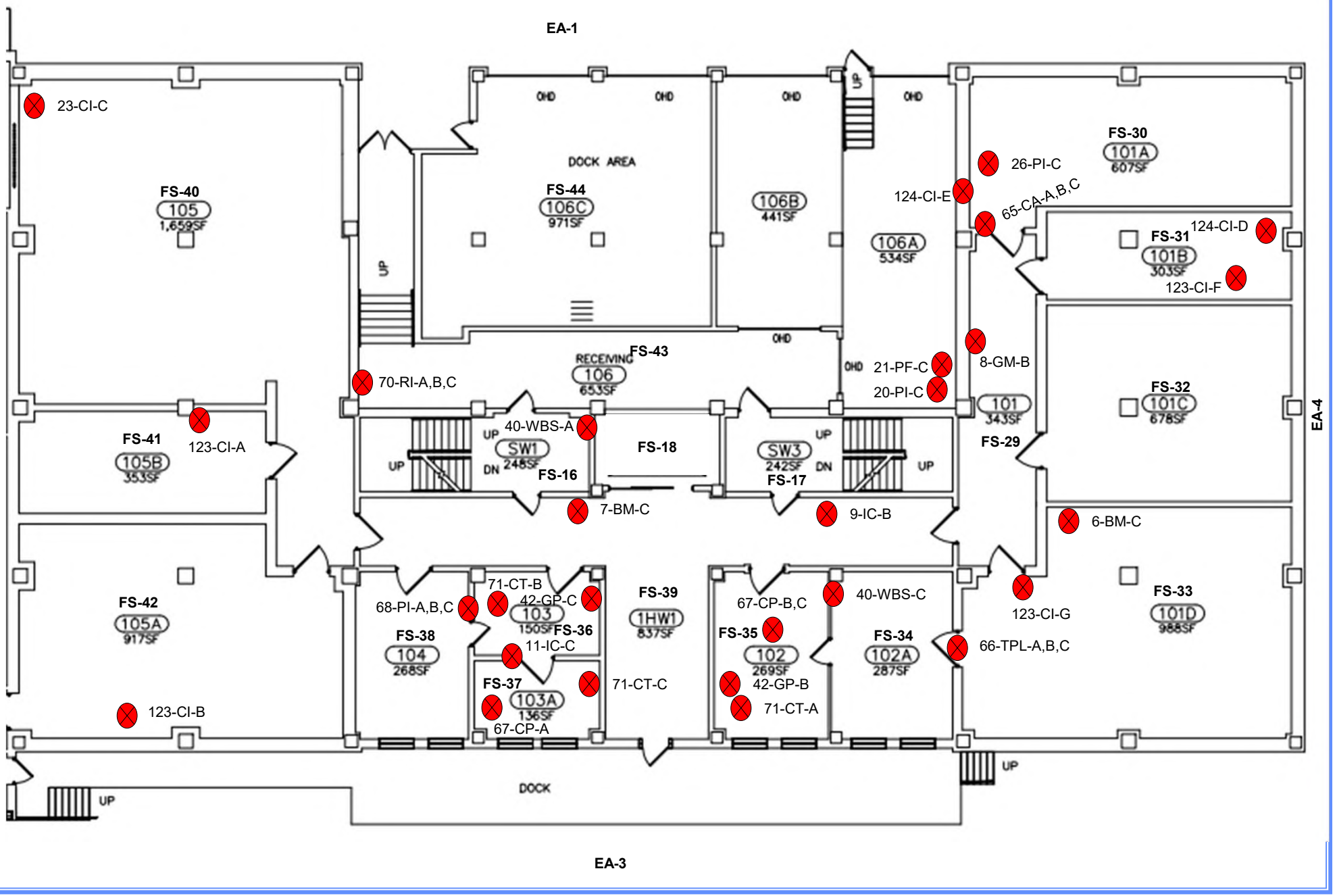
Michigan State University
Central Services Building
570 Red Cedar Road
East Lansing, Michigan 48824

N E S W

Asbestos Bulk
Sampling Location Map
Basement - North Portion

PROJECT NUMBER: 188BS24700	
DRAWN BY: AHD	REVIEWED BY Atlas
	DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147

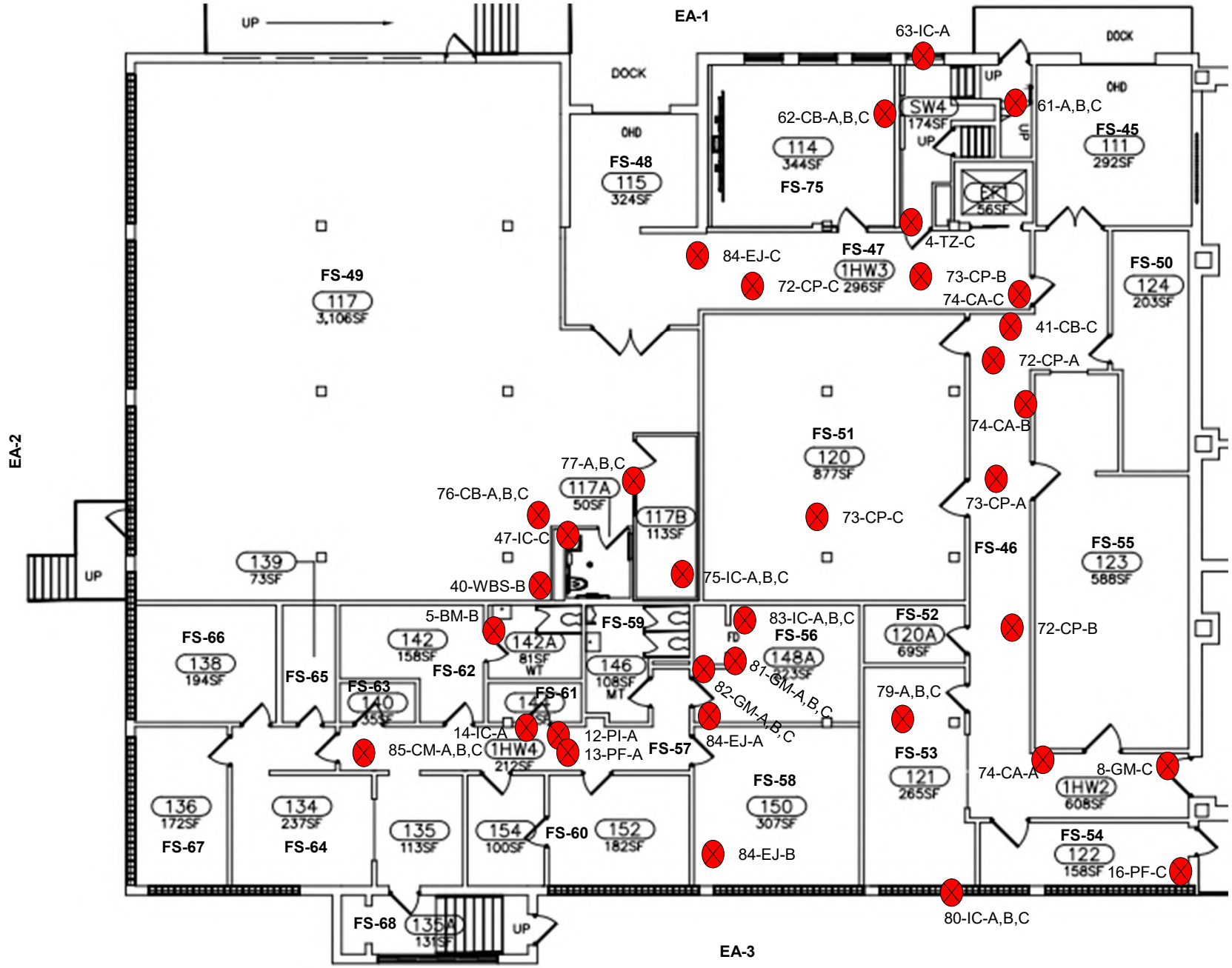


Michigan State University
Central Services Building
570 Red Cedar Road
East Lansing, Michigan 48824

Asbestos Bulk Sampling Location Map
1st Floor - South Portion

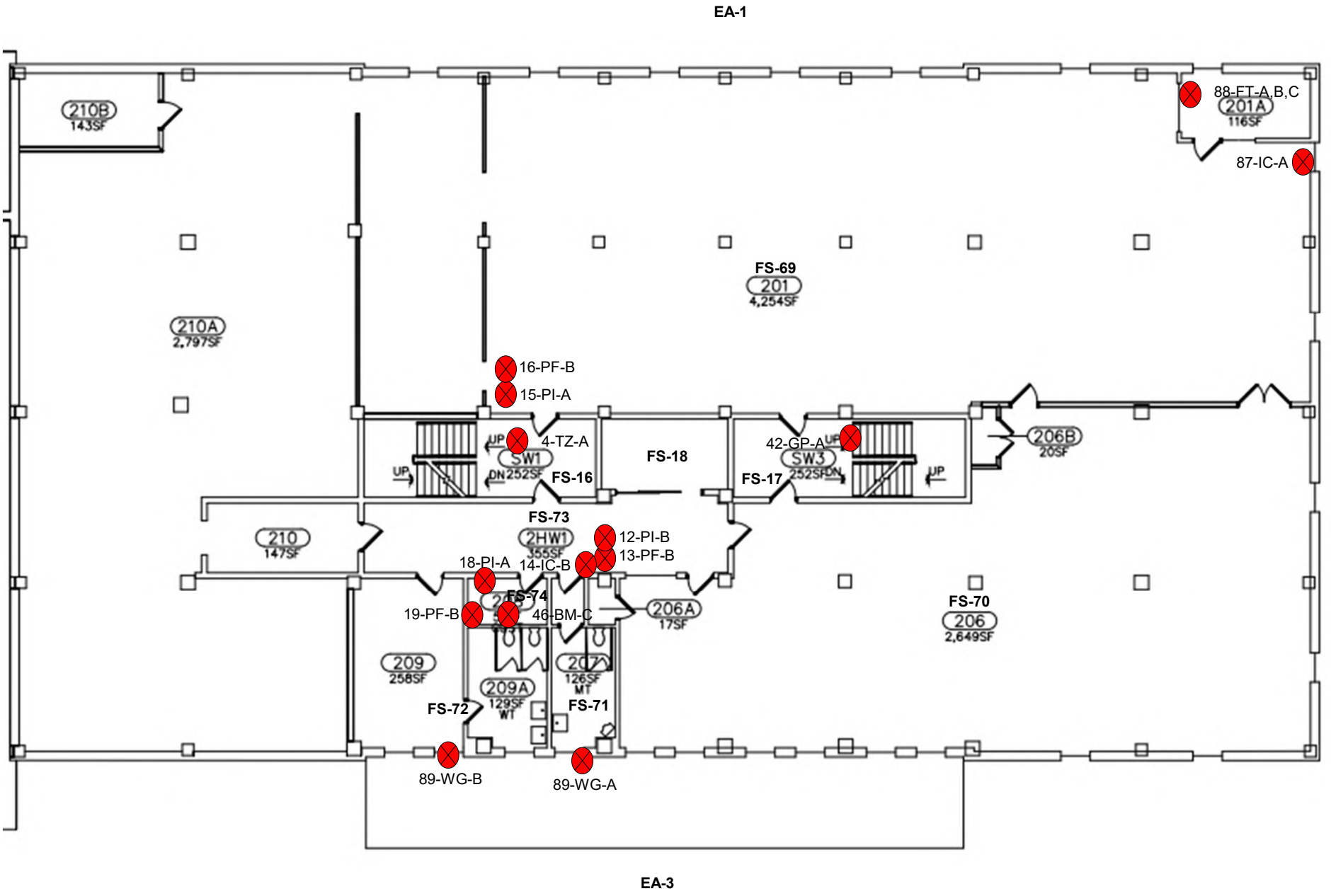
PROJECT NUMBER: 188BS24700	
DRAWN BY: AHD	REVIEWED BY Atlas
	DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147



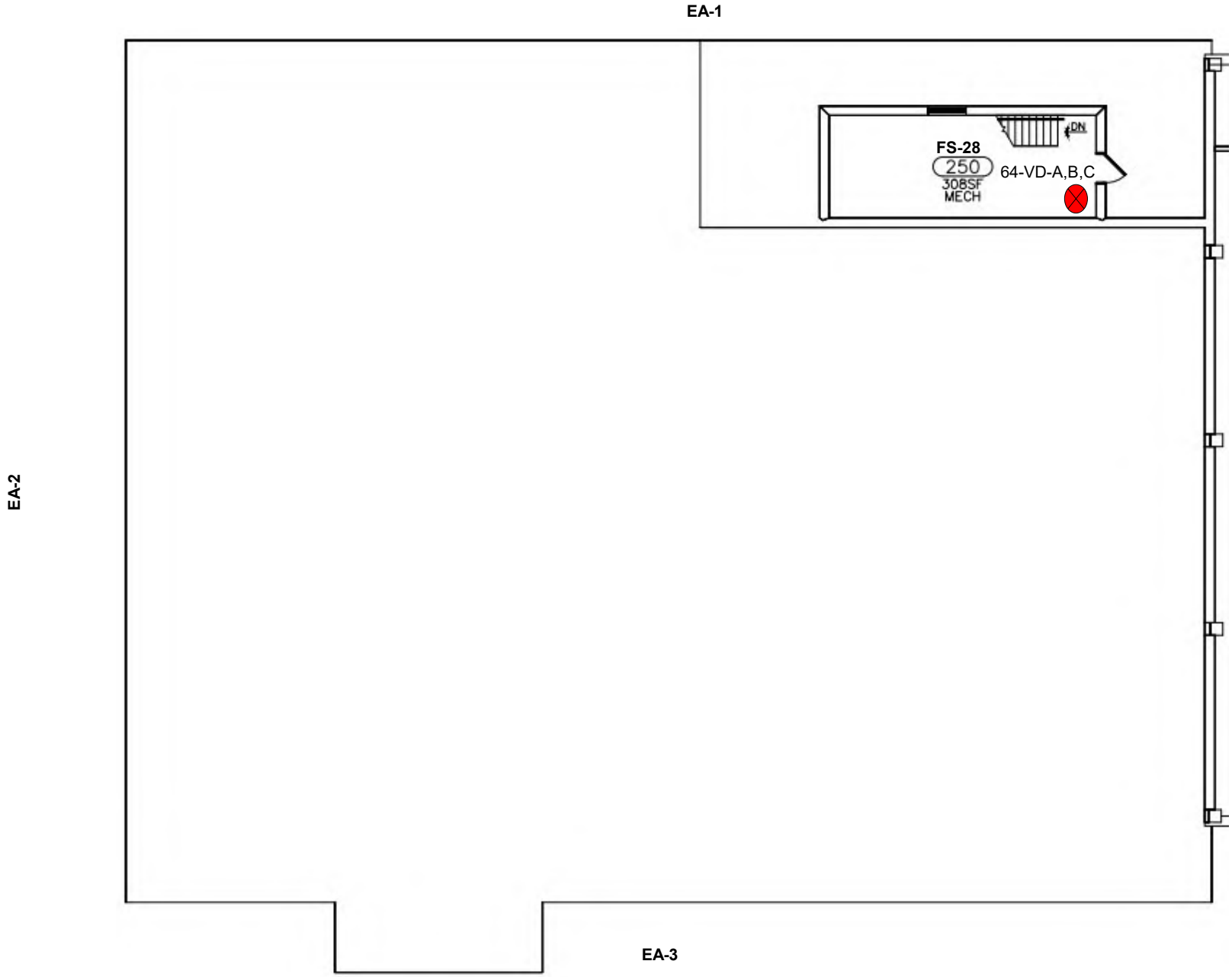
ATLAS	Michigan State University Central Services Building 570 Red Cedar Road East Lansing, Michigan 48824	**Asbestos Bulk Sampling Location Map** **1st Floor - North Portion**	PROJECT NUMBER: 188BS24700 DRAWN BY: AHD REVIEWED BY Atlas DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147



ATLAS	Michigan State University Central Services Building 570 Red Cedar Road East Lansing, Michigan 48824	**Asbestos Bulk Sampling Location Map** **2nd Floor - South Portion**	PROJECT NUMBER: 188BS24700 DRAWN BY: AHD REVIEWED BY Atlas DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147



ATLAS

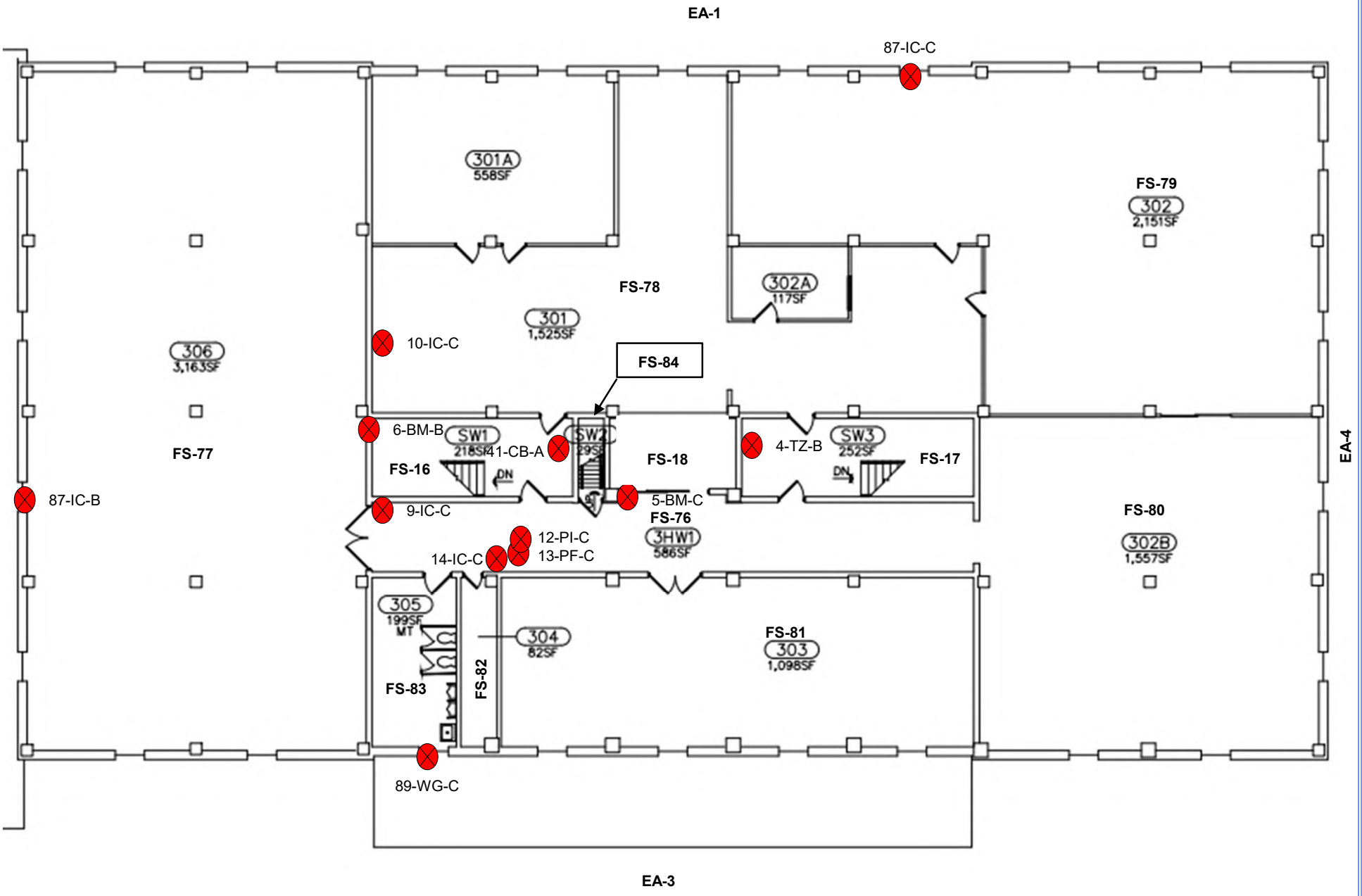
Michigan State University
Central Services Building
570 Red Cedar Road
East Lansing, Michigan 48824

N E S W

Asbestos Bulk
Sampling Location Map
2nd Floor - North Portion

PROJECT NUMBER: 188BS24700	
DRAWN BY: AHD	REVIEWED BY Atlas
	DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147



ATLAS

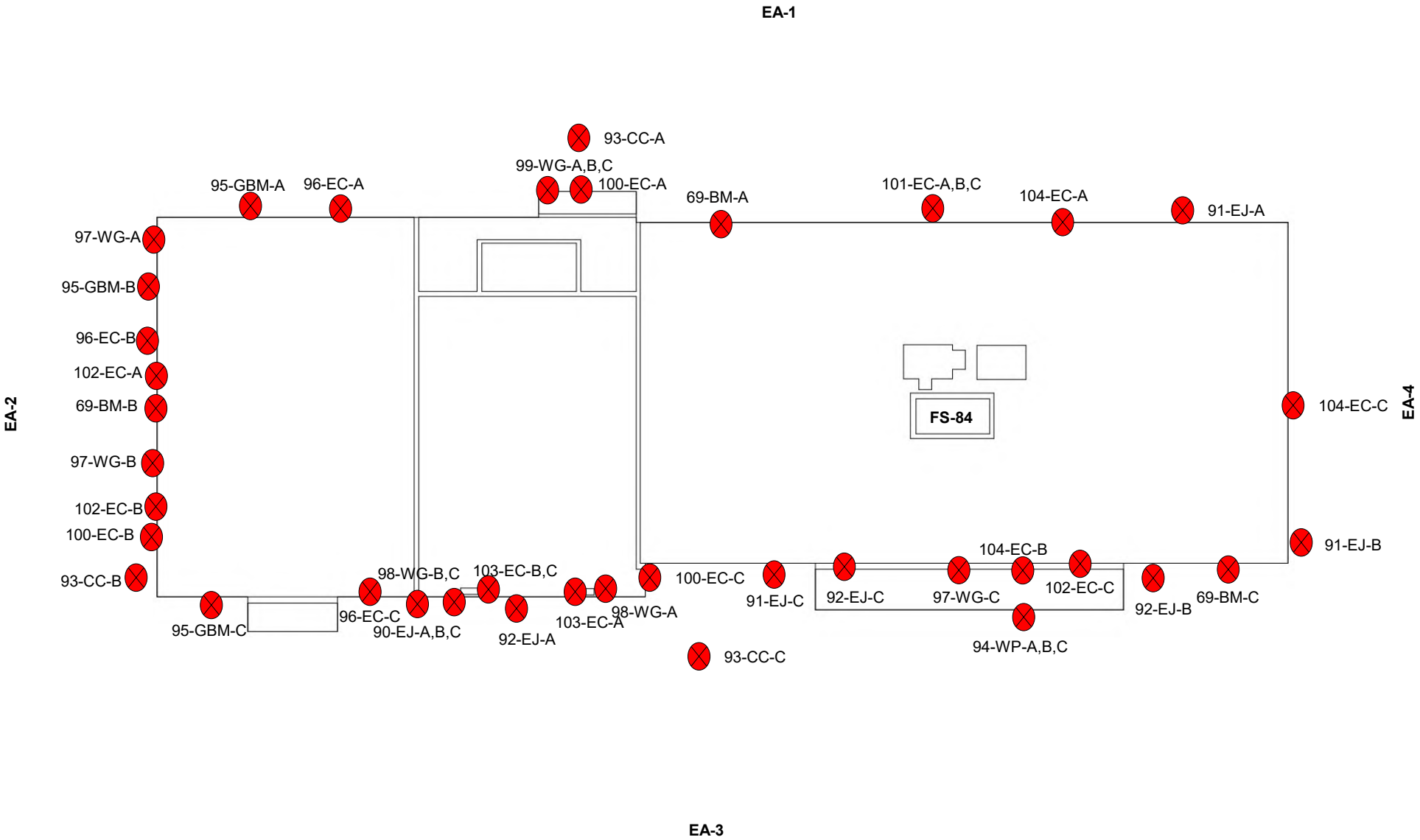
Michigan State University
Central Services Building
570 Red Cedar Road
East Lansing, Michigan 48824

N E S W

Asbestos Bulk Sampling Location Map
3rd Floor

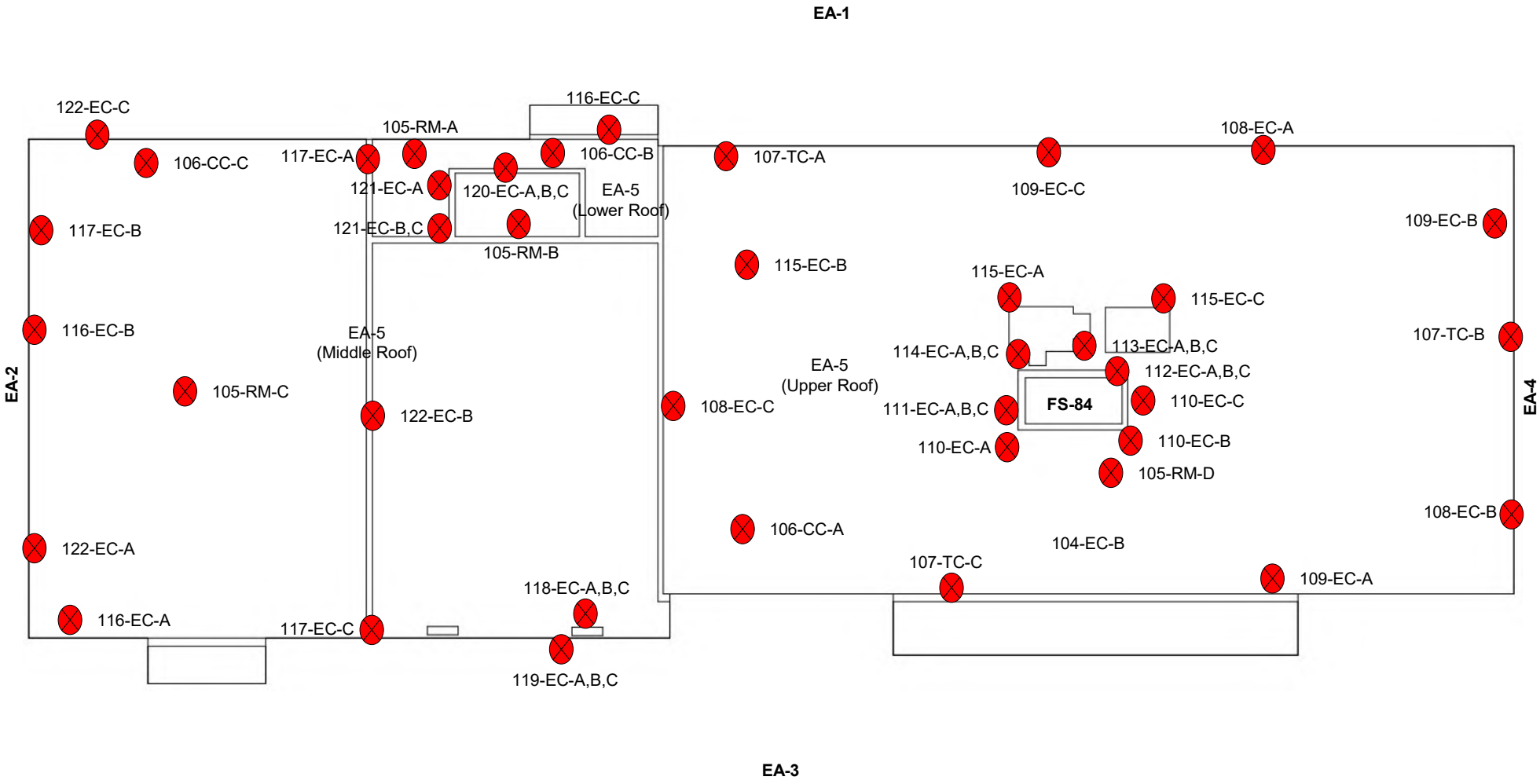
PROJECT NUMBER: 188BS24700	
DRAWN BY: AHD	REVIEWED BY Atlas
	DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147



ATLAS	Michigan State University Central Services Building 570 Red Cedar Road East Lansing, Michigan 48824	**Asbestos Bulk Sampling Location Map Exterior Areas**	PROJECT NUMBER: 188BS24700 DRAWN BY: AHD REVIEWED BY Atlas DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147



ATLAS	Michigan State University Central Services Building 570 Red Cedar Road East Lansing, Michigan 48824	**Asbestos Bulk Sampling Location Map Roof**	PROJECT NUMBER: 188BS24700 DRAWN BY: AHD REVIEWED BY Atlas DATE: 12/12/2024

ATLAS
46555 Humboldt Drive, Suite 100
Novi, Michigan 48377
Ph: (248) 669-5140 ~ Fax: (248) 669-5147

APPENDIX III
LABORATORY DOCUMENTATION

ENVIRONMENTAL TESTING LABORATORIES, INC.

37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604

REVISED REPORT

To: Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi, Michigan 48377

ETL Job: 275162
Client Project: 188BS24700

Attention: Robert Smith
Project Location: 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

Lab Sample Number	Client Sample Number	Sample Type	Completed
1739935	3-CC-A	Asbestos	12/24/2024
1739936	3-CC-B	Asbestos	12/24/2024
1739937	3-CC-C	Asbestos	12/24/2024
1739938	4-TZ-A	Asbestos	12/24/2024
1739939	4-TZ-B	Asbestos	12/24/2024
1739940	4-TZ-C	Asbestos	12/24/2024
1739941	5-BM-A	Asbestos	12/24/2024
1739942	5-BM-B	Asbestos	12/24/2024
1739943	5-BM-C	Asbestos	12/24/2024
1739944	6-BM-A	Asbestos	12/24/2024
1739945	6-BM-B	Asbestos	12/24/2024
1739946	6-BM-C	Asbestos	12/24/2024
1739947	7-BM-A	Asbestos	12/24/2024
1739948	7-BM-B	Asbestos	12/24/2024
1739949	7-BM-C	Asbestos	12/24/2024
1739950	8-GM-A	Asbestos	12/24/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1739951	8-GM-B	Asbestos	12/24/2024
1739952	8-GM-C	Asbestos	12/24/2024
1739953	9-IC-A	Asbestos	12/24/2024
1739954	9-IC-B	Asbestos	12/24/2024
1739955	9-IC-C	Asbestos	12/24/2024
1739956	10-IC-A	Asbestos	12/24/2024
1739957	10-IC-B	Asbestos	12/24/2024
1739958	10-IC-C	Asbestos	12/24/2024
1739959	11-IC-A	Asbestos	12/24/2024
1739960	11-IC-B	Asbestos	02/26/2025
1739961	11-IC-C	Asbestos	02/26/2025
1739962	12-PI-A	Asbestos	12/24/2024
1739963	12-PI-B	Asbestos	12/24/2024
1739964	12-PI-C	Asbestos	12/24/2024
1739965	13-PF-A	Asbestos	12/24/2024
1739966	13-PF-B	Asbestos	12/24/2024
1739967	13-PF-C	Asbestos	12/24/2024
1739968	14-IC-A	Asbestos	12/24/2024
1739969	14-IC-B	Asbestos	12/24/2024
1739970	14-IC-C	Asbestos	12/24/2024
1739971	15-PI-A	Asbestos	12/24/2024
1739972	15-PI-B	Asbestos	12/24/2024
1739973	15-PI-C	Asbestos	12/24/2024
1739974	16-PF-A	Asbestos	12/24/2024
1739975	16-PF-B	Asbestos	02/26/2025
1739976	16-PF-C	Asbestos	12/24/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1739977	17-HM-A	Asbestos	12/24/2024
1739978	17-HM-B	Asbestos	02/26/2025
1739979	17-HM-C	Asbestos	02/26/2025
1739980	18-PI-A	Asbestos	12/24/2024
1739981	18-PI-B	Asbestos	02/26/2025
1739982	18-PI-C	Asbestos	02/26/2025
1739983	19-PF-A	Asbestos	12/24/2024
1739984	19-PF-B	Asbestos	02/26/2025
1739985	19-PF-C	Asbestos	02/26/2025
1739986	20-PI-A	Asbestos	12/24/2024
1739987	20-PI-B	Asbestos	12/24/2024
1739988	20-PI-C	Asbestos	02/26/2025
1739989	21-PF-A	Asbestos	12/24/2024
1739990	21-PF-B	Asbestos	12/24/2024
1739991	21-PF-C	Asbestos	02/26/2025
1739992	22-PI-A	Asbestos	12/24/2024
1739993	22-PI-B	Asbestos	12/24/2024
1739994	22-PI-C	Asbestos	12/24/2024
1739995	23-CI-A	Asbestos	12/24/2024
1739996	23-CI-B	Asbestos	12/24/2024
1739997	23-CI-C	Asbestos	12/24/2024
1739998	24-CI-A	Asbestos	12/24/2024
1739999	24-CI-B	Asbestos	02/26/2025
1740000	24-CI-C	Asbestos	02/26/2025
1740001	25-IC-A	Asbestos	12/24/2024
1740002	25-IC-B	Asbestos	02/26/2025

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740003	25-IC-C	Asbestos	02/26/2025
1740004	26-PI-A	Asbestos	12/26/2024
1740005	26-PI-B	Asbestos	12/26/2024
1740006	26-PI-C	Asbestos	12/26/2024
1740007	27-FT-A	Asbestos	12/26/2024
1740008	27-FT-B	Asbestos	12/26/2024
1740009	27-FT-C	Asbestos	12/26/2024
1740010	28-CB-A	Asbestos	12/26/2024
1740011	28-CB-B	Asbestos	12/26/2024
1740012	28-CB-C	Asbestos	12/26/2024
1740013	29-CP-A	Asbestos	12/26/2024
1740014	29-CP-B	Asbestos	12/26/2024
1740015	29-CP-C	Asbestos	12/26/2024
1740016	30-BM-A	Asbestos	12/24/2024
1740017	30-BM-B	Asbestos	12/24/2024
1740018	30-BM-C	Asbestos	12/24/2024
1740019	31-BM-A	Asbestos	12/24/2024
1740020	31-BM-B	Asbestos	12/24/2024
1740021	31-BM-C	Asbestos	12/24/2024
1740022	32-IC-A	Asbestos	12/24/2024
1740023	32-IC-B	Asbestos	02/26/2025
1740024	32-IC-C	Asbestos	02/26/2025
1740025	33-WG-A	Asbestos	12/24/2024
1740026	33-WG-B	Asbestos	12/24/2024
1740027	33-WG-C	Asbestos	12/24/2024
1740028	34-TI-A	Asbestos	12/24/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740029	34-TI-B	Asbestos	02/26/2025
1740030	34-TI-C	Asbestos	02/26/2025
1740031	35-WG-A	Asbestos	12/24/2024
1740032	35-WG-B	Asbestos	12/24/2024
1740033	35-WG-C	Asbestos	12/24/2024
1740034	36-FT-A	Asbestos	12/24/2024
1740035	36-FT-B	Asbestos	12/24/2024
1740036	36-FT-C	Asbestos	12/24/2024
1740037	37-FT-A	Asbestos	12/24/2024
1740038	37-FT-B	Asbestos	12/24/2024
1740039	37-FT-C	Asbestos	12/24/2024
1740040	38-WG-A	Asbestos	12/24/2024
1740041	38-WG-B	Asbestos	02/26/2025
1740042	38-WG-C	Asbestos	02/26/2025
1740043	39-WG-A	Asbestos	12/24/2024
1740044	39-WG-B	Asbestos	12/24/2024
1740045	39-WG-C	Asbestos	12/24/2024
1740046	40-WBS-A	Asbestos	12/24/2024
1740047	40-WBS-B	Asbestos	12/24/2024
1740048	40-WBS-C	Asbestos	12/24/2024
1740049	41-CB-A	Asbestos	12/24/2024
1740050	41-CB-B	Asbestos	12/24/2024
1740051	41-CB-C	Asbestos	12/24/2024
1740052	42-GP-A	Asbestos	12/26/2024
1740053	42-GP-B	Asbestos	12/26/2024
1740054	42-GP-C	Asbestos	12/26/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740055	43-TPL-A	Asbestos	12/26/2024
1740056	43-TPL-B	Asbestos	12/26/2024
1740057	43-TPL-C	Asbestos	12/26/2024
1740058	43-TPL-D	Asbestos	12/26/2024
1740059	43-TPL-E	Asbestos	12/26/2024
1740060	44-PI-A	Asbestos	12/24/2024
1740061	44-PI-B	Asbestos	02/26/2025
1740062	44-PI-C	Asbestos	02/26/2025
1740063	45-PF-A	Asbestos	12/24/2024
1740064	45-PF-B	Asbestos	02/26/2025
1740065	45-PF-C	Asbestos	02/26/2025
1740066	46-BM-A	Asbestos	12/24/2024
1740067	46-BM-B	Asbestos	12/24/2024
1740068	46-BM-C	Asbestos	12/24/2024
1740069	47-IC-A	Asbestos	12/24/2024
1740070	47-IC-B	Asbestos	12/24/2024
1740071	47-IC-C	Asbestos	12/24/2024
1740072	48-PTN-A	Asbestos	12/24/2024
1740073	48-PTN-B	Asbestos	12/24/2024
1740074	48-PTN-C	Asbestos	12/24/2024
1740075	49-WG-A	Asbestos	12/24/2024
1740076	49-WG-B	Asbestos	12/24/2024
1740077	49-WG-C	Asbestos	12/24/2024
1740078	50-FT-A	Asbestos	12/24/2024
1740079	50-FT-B	Asbestos	02/26/2025
1740080	50-FT-C	Asbestos	02/26/2025

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740081	51-FT-A	Asbestos	12/26/2024
1740082	51-FT-B	Asbestos	02/26/2025
1740083	51-FT-C	Asbestos	02/26/2025
1740084	52-FT-A	Asbestos	12/26/2024
1740085	52-FT-B	Asbestos	02/26/2025
1740086	52-FT-C	Asbestos	02/26/2025
1740087	53-CP-A	Asbestos	12/26/2024
1740088	53-CP-B	Asbestos	12/26/2024
1740089	53-CP-C	Asbestos	12/26/2024
1740090	54-CP-A	Asbestos	12/24/2024
1740091	54-CP-B	Asbestos	12/24/2024
1740092	54-CP-C	Asbestos	12/24/2024
1740093	55-CP-A	Asbestos	12/24/2024
1740094	55-CP-B	Asbestos	12/24/2024
1740095	55-CP-C	Asbestos	12/24/2024
1740096	56-WP-A	Asbestos	12/24/2024
1740097	56-WP-B	Asbestos	12/24/2024
1740098	56-WP-C	Asbestos	12/24/2024
1740099	57-GTM-A	Asbestos	12/24/2024
1740100	57-GTM-B	Asbestos	02/26/2025
1740101	57-GTM-C	Asbestos	02/26/2025
1740102	59-TI-A	Asbestos	12/26/2024
1740103	59-TI-B	Asbestos	02/26/2025
1740104	59-TI-C	Asbestos	02/26/2025
1740105	60-WB-A	Asbestos	12/24/2024
1740106	60-WB-B	Asbestos	12/24/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740107	60-WB-C	Asbestos	12/24/2024
1740108	61-TPL-A	Asbestos	12/24/2024
1740109	61-TPL-B	Asbestos	02/26/2025
1740110	61-TPL-C	Asbestos	02/26/2025
1740111	62-CB-A	Asbestos	12/24/2024
1740112	62-CB-B	Asbestos	12/24/2024
1740113	62-CB-C	Asbestos	12/24/2024
1740114	63-IC-A	Asbestos	12/24/2024
1740115	63-IC-B	Asbestos	02/26/2025
1740116	63-IC-C	Asbestos	02/26/2025
1740117	64-VD-A	Asbestos	12/24/2024
1740118	64-VD-B	Asbestos	02/26/2025
1740119	64-VD-C	Asbestos	02/26/2025
1740120	65-CA-A	Asbestos	12/24/2024
1740121	65-CA-B	Asbestos	02/26/2025
1740122	65-CA-C	Asbestos	02/26/2025
1740123	66-TPL-A	Asbestos	12/24/2024
1740124	66-TPL-B	Asbestos	12/24/2024
1740125	66-TPL-C	Asbestos	12/24/2024
1740126	67-CP-A	Asbestos	12/24/2024
1740127	67-CP-B	Asbestos	12/24/2024
1740128	67-CP-C	Asbestos	12/24/2024
1740129	68-PI-A	Asbestos	12/24/2024
1740130	68-PI-B	Asbestos	12/24/2024
1740131	68-PI-C	Asbestos	12/24/2024
1740132	69-BM-A	Asbestos	12/24/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740133	69-BM-B	Asbestos	12/24/2024
1740134	69-BM-C	Asbestos	12/24/2024
1740135	70-RI-A	Asbestos	12/24/2024
1740136	70-RI-B	Asbestos	12/24/2024
1740137	70-RI-C	Asbestos	12/24/2024
1740138	71-CT-A	Asbestos	12/24/2024
1740139	71-CT-B	Asbestos	12/24/2024
1740140	71-CT-C	Asbestos	12/24/2024
1740141	72-CP-A	Asbestos	12/24/2024
1740142	72-CP-B	Asbestos	12/24/2024
1740143	72-CP-C	Asbestos	12/24/2024
1740144	73-CP-A	Asbestos	12/26/2024
1740145	73-CP-B	Asbestos	12/26/2024
1740146	73-CP-C	Asbestos	12/26/2024
1740147	74-CA-A	Asbestos	12/26/2024
1740148	74-CA-B	Asbestos	12/26/2024
1740149	74-CA-C	Asbestos	12/26/2024
1740150	75-IC-A	Asbestos	12/26/2024
1740151	75-IC-B	Asbestos	12/26/2024
1740152	75-IC-C	Asbestos	12/26/2024
1740153	76-CB-A	Asbestos	12/26/2024
1740154	76-CB-B	Asbestos	12/26/2024
1740155	76-CB-C	Asbestos	12/26/2024
1740156	77-WG-A	Asbestos	12/26/2024
1740157	77-WG-B	Asbestos	12/26/2024
1740158	77-WG-C	Asbestos	12/26/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740159	79-FS-A	Asbestos	12/26/2024
1740160	79-FS-B	Asbestos	02/26/2025
1740161	79-FS-C	Asbestos	02/26/2025
1740162	80-IC-A	Asbestos	12/26/2024
1740163	80-IC-B	Asbestos	02/26/2025
1740164	80-IC-C	Asbestos	02/26/2025
1740165	81-GM-A	Asbestos	12/26/2024
1740166	81-GM-B	Asbestos	12/26/2024
1740167	81-GM-C	Asbestos	12/26/2024
1740168	82-GM-A	Asbestos	12/26/2024
1740169	82-GM-B	Asbestos	12/26/2024
1740170	82-GM-C	Asbestos	12/26/2024
1740171	83-IC-A	Asbestos	12/26/2024
1740172	83-IC-B	Asbestos	12/26/2024
1740173	83-IC-C	Asbestos	12/26/2024
1740174	84-EJ-A	Asbestos	12/26/2024
1740175	84-EJ-B	Asbestos	12/26/2024
1740176	84-EJ-C	Asbestos	12/26/2024
1740177	85-CM-A	Asbestos	12/26/2024
1740178	85-CM-B	Asbestos	12/26/2024
1740179	85-CM-C	Asbestos	12/26/2024
1740180	87-IC-A	Asbestos	12/26/2024
1740181	87-IC-B	Asbestos	12/26/2024
1740182	87-IC-C	Asbestos	12/26/2024
1740183	88-FT-A	Asbestos	12/26/2024
1740184	88-FT-B	Asbestos	12/26/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740185	88-FT-C	Asbestos	12/26/2024
1740186	89-WG-A	Asbestos	12/26/2024
1740187	89-WG-B	Asbestos	12/26/2024
1740188	89-WG-C	Asbestos	12/26/2024
1740189	90-EJ-A	Asbestos	12/26/2024
1740190	90-EJ-B	Asbestos	02/26/2025
1740191	90-EJ-C	Asbestos	02/26/2025
1740192	91-EJ-A	Asbestos	12/26/2024
1740193	91-EJ-B	Asbestos	12/26/2024
1740194	91-EJ-C	Asbestos	12/26/2024
1740195	92-EJ-A	Asbestos	12/26/2024
1740196	92-EJ-B	Asbestos	12/26/2024
1740197	92-EJ-C	Asbestos	12/26/2024
1740198	93-CC-A	Asbestos	12/26/2024
1740199	93-CC-B	Asbestos	12/26/2024
1740200	93-CC-C	Asbestos	12/26/2024
1740201	94-WP-A	Asbestos	12/26/2024
1740202	94-WP-B	Asbestos	12/26/2024
1740203	94-WP-C	Asbestos	12/26/2024
1740204	95-GBM-A	Asbestos	12/26/2024
1740205	95-GBM-B	Asbestos	12/26/2024
1740206	95-GBM-C	Asbestos	12/26/2024
1740207	96-EC-A	Asbestos	12/26/2024
1740208	96-EC-B	Asbestos	12/26/2024
1740209	96-EC-C	Asbestos	12/26/2024
1740210	97-WG-A	Asbestos	12/26/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740211	97-WG-B	Asbestos	12/26/2024
1740212	97-WG-C	Asbestos	12/26/2024
1740213	98-WG-A	Asbestos	12/26/2024
1740214	98-WG-B	Asbestos	12/26/2024
1740215	98-WG-C	Asbestos	12/26/2024
1740216	99-WG-A	Asbestos	12/26/2024
1740217	99-WG-B	Asbestos	12/26/2024
1740218	99-WG-C	Asbestos	12/26/2024
1740219	100-EC-A	Asbestos	12/26/2024
1740220	100-EC-B	Asbestos	02/26/2025
1740221	100-EC-C	Asbestos	02/26/2025
1740222	101-EC-A	Asbestos	12/26/2024
1740223	101-EC-B	Asbestos	12/26/2024
1740224	101-EC-C	Asbestos	12/26/2024
1740225	102-EC-A	Asbestos	12/26/2024
1740226	102-EC-B	Asbestos	02/26/2025
1740227	102-EC-C	Asbestos	02/26/2025
1740228	103-EC-A	Asbestos	12/26/2024
1740229	103-EC-B	Asbestos	02/26/2025
1740230	103-EC-C	Asbestos	02/26/2025
1740231	104-EC-A	Asbestos	12/26/2024
1740232	104-EC-B	Asbestos	12/26/2024
1740233	104-EC-C	Asbestos	12/26/2024
1740234	105-RM-A	Asbestos	12/26/2024
1740235	105-RM-B	Asbestos	12/26/2024
1740236	105-RM-C	Asbestos	12/26/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740237	105-RM-D	Asbestos	12/26/2024
1740238	106-CC-A	Asbestos	12/26/2024
1740239	106-CC-B	Asbestos	12/26/2024
1740240	106-CC-C	Asbestos	12/26/2024
1740241	107-TC-A	Asbestos	12/26/2024
1740242	107-TC-B	Asbestos	12/26/2024
1740243	107-TC-C	Asbestos	12/26/2024
1740244	108-EC-A	Asbestos	12/26/2024
1740245	108-EC-B	Asbestos	12/26/2024
1740246	108-EC-C	Asbestos	12/26/2024
1740247	109-EC-A	Asbestos	12/26/2024
1740248	109-EC-B	Asbestos	12/26/2024
1740249	109-EC-C	Asbestos	12/26/2024
1740250	110-EC-A	Asbestos	12/26/2024
1740251	110-EC-B	Asbestos	12/26/2024
1740252	110-EC-C	Asbestos	12/26/2024
1740253	111-EC-A	Asbestos	12/26/2024
1740254	111-EC-B	Asbestos	12/26/2024
1740255	111-EC-C	Asbestos	12/26/2024
1740256	112-EC-A	Asbestos	12/26/2024
1740257	112-EC-B	Asbestos	12/26/2024
1740258	112-EC-C	Asbestos	12/26/2024
1740259	113-EC-A	Asbestos	12/26/2024
1740260	113-EC-B	Asbestos	12/26/2024
1740261	113-EC-C	Asbestos	12/26/2024
1740262	114-EC-A	Asbestos	12/26/2024

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1740263	114-EC-B	Asbestos	12/26/2024
1740264	114-EC-C	Asbestos	12/26/2024
1740265	115-EC-A	Asbestos	12/26/2024
1740266	115-EC-B	Asbestos	12/26/2024
1740267	115-EC-C	Asbestos	12/26/2024
1740268	116-EC-A	Asbestos	12/26/2024
1740269	116-EC-B	Asbestos	12/26/2024
1740270	116-EC-C	Asbestos	12/26/2024
1740271	117-EC-A	Asbestos	12/26/2024
1740272	117-EC-B	Asbestos	02/26/2025
1740273	117-EC-C	Asbestos	02/26/2025
1740274	118-EC-A	Asbestos	12/26/2024
1740275	118-EC-B	Asbestos	12/26/2024
1740276	118-EC-C	Asbestos	12/26/2024
1740277	119-EC-A	Asbestos	12/26/2024
1740278	119-EC-B	Asbestos	12/26/2024
1740279	119-EC-C	Asbestos	12/26/2024
1740280	120-EC-A	Asbestos	12/26/2024
1740281	120-EC-B	Asbestos	12/26/2024
1740282	120-EC-C	Asbestos	12/26/2024
1740283	121-EC-A	Asbestos	12/26/2024
1740284	121-EC-B	Asbestos	02/26/2025
1740285	121-EC-C	Asbestos	02/26/2025
1740286	122-EC-A	Asbestos	12/26/2024
1740287	122-EC-B	Asbestos	02/26/2025
1740288	122-EC-C	Asbestos	02/26/2025

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Lab Sample Number	Client Sample Number	Sample Type	Completed

Reviewed by:

Dawson Bradley

Summary

Method	Sample	Layer	Mastic
PLM	444	26	
Point Count	11		

Revision History

Revised Date	Revised By	Revision Comment
02/26/2025	Bella Rossi	Re-Evaluated Samples Per Client Request

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739935 3-CC-A	Concrete Chip	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739936 3-CC-B	Concrete Chip	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739937 3-CC-C	Concrete Chip	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739938 4-TZ-A	Terrazzo Flooring	Gray/White/Beige Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739939 4-TZ-B	Terrazzo Flooring	Gray/White/Beige Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739940 4-TZ-C	Terrazzo Flooring	Gray/White/Beige Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024 With Cementitious Material					

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Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739941 5-BM-A Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739942 5-BM-B Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739943 5-BM-C Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739944 6-BM-A Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739945 6-BM-B Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739946 6-BM-C Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected

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Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739947 7-BM-A Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739948 7-BM-B Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739949 7-BM-C Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739950 8-GM-A Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024	Ceramic Tile	Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739950 8-GM-A Layer-2 Analyst: Ben Jones Date Analyzed : 12/24/2024	Grout	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
1739950 8-GM-A Layer-3 Analyst: Ben Jones Date Analyzed : 12/24/2024	Mortar	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected

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To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739951 8-GM-B	Ceramic Tile	Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739951 8-GM-B	Grout	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739951 8-GM-B	Mortar	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739952 8-GM-C	Ceramic Tile	Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739952 8-GM-C	Grout	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739952 8-GM-C		Layer Missing			
Layer-3 Analyst: Ben Jones Date Analyzed : 12/24/2024 Layer Not Analyzed					

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46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739953 9-IC-A	Interior Caulk	Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739953 9-IC-A	Fibrous Material	Cream Non-Fibrous Homogenous	PLM 93% Cellulose	PLM 7% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739954 9-IC-B	Interior Caulk	Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739954 9-IC-B	Fibrous Material	Cream Non-Fibrous Homogenous	PLM 93% Cellulose	PLM 7% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739954 9-IC-B	Fibrous Material	Off-White Fibrous Homogenous	PLM 92% Fiberglass	PLM 8% Other	PLM None Detected
Layer-3 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739954 9-IC-B	Caulk	Dark Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-4 Analyst: Ben Jones Date Analyzed : 12/24/2024					

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739955 9-IC-C		Layer Missing			
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
Layer Not Analyzed					
1739955 9-IC-C	Fibrous Material	Cream Non-Fibrous Homogenous	PLM 93% Cellulose	PLM 7% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739955 9-IC-C	Fibrous Material	Off-White Fibrous Homogenous	PLM 92% Fiberglass	PLM 8% Other	PLM None Detected
Layer-3 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739955 9-IC-C	Caulk	Dark Red Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-4 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1739956 10-IC-A	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739957 10-IC-B	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					

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ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739958 10-IC-C	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739959 11-IC-A	Interior Caulk	Dark Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 97% Other	PLM 2% Chrysotile
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739960 11-IC-B	Interior Caulk	Dark Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 97% Other	PLM 2% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739961 11-IC-C	Interior Caulk	Dark Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 97% Other	PLM 2% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739962 12-PI-A	Pipe Insulation	White/Yellow Fibrous Non-Homogenous	PLM 5% Cellulose PLM 90% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper and Mesh					
1739963 12-PI-B	Pipe Insulation	White/Yellow Fibrous Non-Homogenous	PLM 5% Cellulose PLM 90% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper and Mesh					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739964 12-PI-C	Pipe Insulation	White/Yellow Fibrous Non-Homogenous	PLM 5% Cellulose PLM 90% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper and Mesh					
1739965 13-PF-A	Pipe Fitting	White/Yellow Fibrous Non-Homogenous	PLM 5% Cellulose PLM 90% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper					
1739966 13-PF-B	Pipe Fitting	White/Yellow Fibrous Non-Homogenous	PLM 5% Cellulose PLM 90% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper					
1739967 13-PF-C	Pipe Fitting	White/Yellow Fibrous Non-Homogenous	PLM 5% Cellulose PLM 90% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper					
1739968 14-IC-A		Layer Missing			
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 Layer Not Analyzed					
1739968 14-IC-A	Pipe Insulation	Yellow Fibrous Homogenous	PLM 95% Fiberglass	PLM 5% Other	PLM None Detected
Layer-2 Analyst: James Farinas Date Analyzed : 12/24/2024					

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Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739969 14-IC-B		Layer Missing			
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 Layer Not Analyzed					
1739969 14-IC-B	Pipe Insulation	Yellow Fibrous Homogenous	PLM 95% Fiberglass	PLM 5% Other	PLM None Detected
Layer-2 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739970 14-IC-C		Layer Missing			
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 Layer Not Analyzed					
1739970 14-IC-C	Pipe Insulation	Yellow Fibrous Homogenous	PLM 95% Fiberglass	PLM 5% Other	PLM None Detected
Layer-2 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739971 15-PI-A	Pipe Insulation	Brown/Yellow/Black Fibrous Non-Homogenous	PLM 5% Cellulose PLM 50% Fiberglass	PLM 45% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper and Asphaltic Material					
1739972 15-PI-B	Pipe Insulation	Brown/Yellow Fibrous Non-Homogenous	PLM 40% Cellulose PLM 55% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper					

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ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739973 15-PI-C	Pipe Insulation	Brown/Yellow Fibrous Non-Homogenous	PLM 40% Cellulose PLM 55% Fiberglass	PLM 5% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Paper					
1739974 16-PF-A	Pipe Fitting	Brown/Gray Non-Fibrous Homogenous	PLM 1% Cellulose PLM 5% Mineral wool	PLM 94% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739974 16-PF-A	Canvas	Brown/Gray Fibrous Non-Homogenous	PLM 5% Cellulose PLM 5% Mineral wool	PLM 60% Other	PLM 30% Chrysotile
Layer-2 Analyst: James Farinas Date Analyzed : 12/24/2024 With Pipe Fitting					
1739975 16-PF-B	Pipe Fitting	Brown/Gray Non-Fibrous Homogenous	PLM 1% Cellulose PLM 5% Mineral wool	PLM 94% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739975 16-PF-B	Canvas	Brown/Gray Fibrous Non-Homogenous	PLM 5% Cellulose	PLM 65% Other	PLM 30% Chrysotile
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025 With Pipe Fitting					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739976 16-PF-C	Pipe Fitting	Grey Non-Fibrous Homogenous	PLM 1% Cellulose PLM 5% Mineral wool	PLM 94% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739976 16-PF-C		Layer Missing			
Layer-2 Analyst: James Farinas Date Analyzed : 12/24/2024 Layer Not Analyzed					
1739977 17-HM-A	Hanger Mud	Gray Fibrous Homogenous	PLM 5% Cellulose PLM 10% Mineral wool	PLM 35% Other	PLM 50% Chrysotile
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739978 17-HM-B	Hanger Mud	Gray Fibrous Homogenous	PLM 5% Cellulose PLM 10% Mineral wool	PLM 35% Other	PLM 50% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739979 17-HM-C	Hanger Mud	Gray Fibrous Homogenous	PLM 5% Cellulose PLM 10% Mineral wool	PLM 35% Other	PLM 50% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739980 18-PI-A	Pipe Insulation	Blue/Gray Fibrous Non-Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Wool Felt					
1739980 18-PI-A	Asphaltic Material	Black Fibrous Homogenous	PLM 10% Cellulose	PLM 55% Other	PLM 35% Chrysotile
Layer-2 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739981 18-PI-B	Pipe Insulation	Blue/Gray Fibrous Non-Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025 With Wool Felt					
1739981 18-PI-B	Asphaltic Material	Black Fibrous Homogenous	PLM 10% Cellulose	PLM 55% Other	PLM 35% Chrysotile
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739982 18-PI-C	Pipe Insulation	Blue/Gray Fibrous Non-Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025 With Wool Felt					
1739982 18-PI-C	Asphaltic Material	Black Fibrous Homogenous	PLM 10% Cellulose	PLM 55% Other	PLM 35% Chrysotile
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739983 19-PF-A	Pipe Fitting	Blue/Gray Fibrous Homogenous	PLM 45% Fiberglass	PLM 5% Other	PLM 50% Chrysotile
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1739984 19-PF-B	Pipe Fitting	Blue/Gray Fibrous Homogenous	PLM 45% Fiberglass	PLM 5% Other	PLM 50% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739984 19-PF-B	Wool Felt	Blue Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739985 19-PF-C	Pipe Fitting	Blue/Gray Fibrous Homogenous	PLM 45% Fiberglass	PLM 5% Other	PLM 50% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739985 19-PF-C	Wool Felt	Blue Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739986 20-PI-A		Layer Missing			
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
Layer Not Analyzed					
1739986 20-PI-A	Fibrous Material	Brown Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739987 20-PI-B	Pipe Insulation	White Fibrous Homogenous		PLM 55% Other	PLM 45% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739987 20-PI-B	Mesh	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739988 20-PI-C	Pipe Insulation	White Fibrous Homogenous		PLM 55% Other	PLM 45% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739988 20-PI-C	Mesh	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739989 21-PF-A	Pipe Fitting	Beige Fibrous Homogenous	PLM 40% Cellulose	PLM 15% Other	PLM 45% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739990 21-PF-B		Layer Missing			
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
Layer Not Analyzed					
1739990 21-PF-B	Mesh	White Fibrous Homogenous	PLM 90% Fiberglass	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739991 21-PF-C	Pipe Fitting	Beige Fibrous Homogenous	PLM 15% Cellulose	PLM 40% Other	PLM 45% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739991 21-PF-C		Layer Missing			
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
Layer Not Analyzed					
1739991 21-PF-C	Mesh	Beige Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
Layer-3 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					

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NVLAP LAB CODE 201028-0

Certificate of Analysis

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739992 22-PI-A	Pipe Insulation	Brown Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024 With Brittle Material					
1739992 22-PI-A	Mesh	Beige Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739993 22-PI-B	Pipe Insulation	Brown Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024 With Brittle Material					
1739993 22-PI-B	Mesh	Beige Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739994 22-PI-C	Pipe Insulation	Brown Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024 With Brittle Material					
1739994 22-PI-C	Mesh	Beige Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739995 23-CI-A	Cork Wall Insulation	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739995 23-CI-A	Tacky Material	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739996 23-CI-B	Cork Wall Insulation	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739996 23-CI-B	Tacky Material	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739997 23-CI-C	Cork Wall Insulation	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739997 23-CI-C	Tacky Material	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1739998 24-CI-A	Cork Insulation	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739998 24-CI-A	Tacky Material	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739998 24-CI-A	Brittle Material	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
Layer-3 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1739999 24-CI-B	Cork Insulation	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739999 24-CI-B	Tacky Material	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1739999 24-CI-B	Brittle Material	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
Layer-3 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					

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ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740000 24-CI-C	Cork Insulation	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1740000 24-CI-C	Tacky Material	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1740000 24-CI-C	Brittle Material	Black Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
Layer-3 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1740001 25-IC-A	Interior Cauk	Greenish Grey Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 88% Other	PLM 10% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/24/2024					
1740002 25-IC-B	Interior Cauk	Greenish Grey Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 88% Other	PLM 10% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					
1740003 25-IC-C	Interior Cauk	Greenish Grey Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 88% Other	PLM 10% Chrysotile
Layer-1 Analyst: Teagan Murphy Date Analyzed : 02/26/2025					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740004 26-PI-A	Pipe Insulation	Brown Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740005 26-PI-B	Pipe Insulation	Brown Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740006 26-PI-C	Pipe Insulation	Brown Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740007 27-FT-A	Floor Tile	Beige/Red Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740007 27-FT-A	Mastic	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740008 27-FT-B	Floor Tile	Beige/Red Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740008 27-FT-B	Mastic	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740009 27-FT-C	Floor Tile	Beige/Red Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740009 27-FT-C	Mastic	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740010 28-CB-A	Cove Base	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740010 28-CB-A	Adhesive	Yellow Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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ETL Job : 275162
Client Project : 188BS24700
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Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740011 28-CB-B	Cove Base	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740011 28-CB-B	Adhesive	Yellow Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740012 28-CB-C	Cove Base	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740012 28-CB-C	Adhesive	Yellow Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740013 29-CP-A	Ceiling Panel	White Fibrous Homogenous	PLM 40% Cellulose	PLM 60% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740014 29-CP-B	Ceiling Panel	White Fibrous Homogenous	PLM 40% Cellulose	PLM 60% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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Client Project : 188BS24700
Date Collected : 12/20/2024
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740015 29-CP-C	Ceiling Panel	White Fibrous Homogenous	PLM 40% Cellulose	PLM 60% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740016 30-BM-A	Brick Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740017 30-BM-B	Brick Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740018 30-BM-C	Brick Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740019 31-BM-A	Brick Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740019 31-BM-A	Cementitious Material	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024					

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Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740020 31-BM-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740020 31-BM-B Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024	Cementitious Material	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740021 31-BM-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Brick Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740021 31-BM-C Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024	Cementitious Material	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740022 32-IC-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Interior Caulk	Black Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
1740023 32-IC-B Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025	Interior Caulk	Black Fibrous Homogenous	PLM Trace Cellulose	PLM 97% Other	PLM 3% Chrysotile

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Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740024 32-IC-C Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025	Interior Caulk	Black Fibrous Homogenous	PLM Trace Cellulose	PLM 97% Other	PLM 3% Chrysotile
1740025 33-WG-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740026 33-WG-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740027 33-WG-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740028 34-TI-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Tank Insulation	Gray Fibrous Homogenous		PLM 70% Other	PLM 30% Chrysotile
1740029 34-TI-B Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025	Tank Insulation	Gray Fibrous Homogenous	PLM 3% Cellulose	PLM 67% Other	PLM 30% Chrysotile

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740030 34-TI-C Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025	Tank Insulation	Gray Fibrous Homogenous	PLM 3% Cellulose	PLM 67% Other	PLM 30% Chrysotile
1740031 35-WG-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Black Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740032 35-WG-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Black Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740033 35-WG-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Black Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740034 36-FT-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Floor Tile	Light Brown Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740035 36-FT-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Floor Tile	Light Brown Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740036 36-FT-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Floor Tile	Light Brown Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740037 37-FT-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Floor Tile	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740038 37-FT-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Floor Tile	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740039 37-FT-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Floor Tile	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740040 38-WG-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	White Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
1740041 38-WG-B Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025	Window Glaze	White Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile

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Client Project : 188BS24700
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740042 38-WG-C Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025	Window Glaze	White Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
1740043 39-WG-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740044 39-WG-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740045 39-WG-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Window Glaze	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740046 40-WBS-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Wallboard System	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740046 40-WBS-A Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024	Mud	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740047 40-WBS-B	Wallboard System	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740047 40-WBS-B	Mud	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740047 40-WBS-B	Tape	White Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-3 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740048 40-WBS-C	Wallboard System	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740048 40-WBS-C	Mud	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740048 40-WBS-C		Layer Missing			
Layer-3 Analyst: Tia Ray Date Analyzed : 12/24/2024 Layer Not Analyzed					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740049 41-CB-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Cove Base	Black Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740049 41-CB-A Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024 With Fibrous Material	Adhesive	Yellow Fibrous Non-Homogenous	PLM 15% Cellulose	PLM 85% Other	PLM None Detected
1740050 41-CB-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Cove Base	Black Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740050 41-CB-B Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024	Adhesive	Yellow Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740051 41-CB-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024	Cove Base	Black Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740051 41-CB-C Layer-2 Analyst: Tia Ray Date Analyzed : 12/24/2024	Adhesive	Yellow Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740052 42-GP-A	Glue Pod	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740052 42-GP-A	Brittle Material	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740053 42-GP-B	Glue Pod	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740053 42-GP-B	Brittle Material	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740054 42-GP-C	Glue Pod	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740054 42-GP-C		Layer Missing			
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024 Layer Not Analyzed					

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Date Collected : 12/20/2024
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740055 43-TPL-A	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740056 43-TPL-B	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740057 43-TPL-C	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740058 43-TPL-D	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740058 43-TPL-D	Texture	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740059 43-TPL-E	Textured Plaster	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740059 43-TPL-E	Texture	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740060 44-PI-A	Pipe Insulation	White Fibrous Homogenous		PLM 70% Other	PLM 30% Chrysotile
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					
1740061 44-PI-B	Pipe Insulation	White Fibrous Homogenous		PLM 70% Other	PLM 30% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025					
1740062 44-PI-C	Pipe Insulation	White Fibrous Homogenous		PLM 70% Other	PLM 30% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025					
1740063 45-PF-A	Pipe Fitting	Gray Fibrous Homogenous		PLM 70% Other	PLM 30% Chrysotile
Layer-1 Analyst: Tia Ray Date Analyzed : 12/24/2024					

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Client Project : 188BS24700
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740064 45-PF-B	Pipe Fitting	Gray Fibrous Homogenous	PLM Trace Cellulose	PLM 70% Other	PLM 30% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025					
1740065 45-PF-C	Pipe Fitting	Gray Fibrous Homogenous	PLM Trace Cellulose	PLM 70% Other	PLM 30% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 02/26/2025					
1740066 46-BM-A	Brick	Beige Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740066 46-BM-A	Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740067 46-BM-B	Brick	Beige Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740067 46-BM-B	Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740068 46-BM-C Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024	Brick	Beige Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740068 46-BM-C Layer-2 Analyst: Alexis Rausch Date Analyzed : 12/24/2024	Mortar	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740069 47-IC-A Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024	Interior Caulk	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740070 47-IC-B Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024	Interior Caulk	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740071 47-IC-C Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024	Interior Caulk	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740072 48-PTN-A Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024	Partition Insulation	Yellow Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected

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NVLAP LAB CODE 201028-0

Certificate of Analysis

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740073 48-PTN-B	Partition Insulation	Yellow Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740074 48-PTN-C	Partition Insulation	Yellow Fibrous Homogenous	PLM 98% Cellulose	PLM 2% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740075 49-WG-A	Window Glaze	Red/Beige Non-Fibrous Homogenous	PC 0.25% Cellulose	PC 99.75% Other	PC Trace Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740076 49-WG-B	Window Glaze	Red/Beige Non-Fibrous Homogenous		PC 100% Other	PC Trace Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740077 49-WG-C	Window Glaze	Red/Beige Non-Fibrous Homogenous		PC 100% Other	PC Trace Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740078 50-FT-A	Floor Tile	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 98% Other	PLM 2% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1740078 50-FT-A	Mastic	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/24/2024					
1740079 50-FT-B	Floor Tile	Black Non-Fibrous Homogenous		PLM 98% Other	PLM 2% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740079 50-FT-B	Mastic	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740080 50-FT-C	Floor Tile	Black Non-Fibrous Homogenous		PLM 98% Other	PLM 2% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740080 50-FT-C	Mastic	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740081 51-FT-A	Floor Tile	Dark Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 98% Other	PLM 2% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740081 51-FT-A	Mastic	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740082 51-FT-B	Floor Tile	Dark Brown Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740082 51-FT-B	Mastic	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740083 51-FT-C	Floor Tile	Dark Brown Non-Fibrous Homogenous		PLM 98% Other	PLM 2% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740083 51-FT-C	Mastic	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740084 52-FT-A	Floor Tile	Gray/Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740084 52-FT-A	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740085 52-FT-B	Floor Tile	Grey/Black Non-Fibrous Homogenous		PLM 98% Other	PLM 2% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740085 52-FT-B	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740086 52-FT-C	Floor Tile	Grey/Black Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740086 52-FT-C	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					

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Client Project : 188BS24700
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740087 53-CP-A	Ceiling Panel	White Fibrous Homogenous	PLM Trace Cellulose PLM 82% Fiberglass	PLM 18% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740088 53-CP-B	Ceiling Panel	White Fibrous Homogenous	PLM Trace Cellulose PLM 82% Fiberglass	PLM 18% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740089 53-CP-C	Ceiling Panel	White Fibrous Homogenous	PLM Trace Cellulose PLM 82% Fiberglass	PLM 18% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740090 54-CP-A	Ceiling Panel	White Fibrous Homogenous	PLM 50% Cellulose PLM 40% Fiberglass	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740091 54-CP-B	Ceiling Panel	White Fibrous Homogenous	PLM 50% Cellulose PLM 40% Fiberglass	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740092 54-CP-C	Ceiling Panel	White Fibrous Homogenous	PLM 50% Cellulose PLM 40% Fiberglass	PLM 10% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740093 55-CP-A	Ceiling Panel	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740093 55-CP-A	Brittle Material	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740094 55-CP-B	Ceiling Panel	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740094 55-CP-B		Layer Missing			
Layer-2 Analyst: Chris Canilao Date Analyzed : 12/24/2024 Layer Not Analyzed					
1740095 55-CP-C	Ceiling Panel	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740095 55-CP-C	Brittle Material	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Chris Canilao Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740096 56-WP-A	Waterproofing	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740097 56-WP-B	Waterproofing	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740098 56-WP-C	Waterproofing	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740099 57-GTM-A	Gasket Material	Black Fibrous Non-Homogenous	PLM 40% Cellulose	PLM 60% Other	PLM None Detected
Layer-1 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
With Fibrous Material					
1740099 57-GTM-A	Rubbery Material	Yellow Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-2 Analyst: Chris Canilao Date Analyzed : 12/24/2024					
1740099 57-GTM-A	Fibrous Material	Gray Fibrous Homogenous	PLM 60% Cellulose	PLM 30% Other	PLM 10% Chrysotile
Layer-3 Analyst: Chris Canilao Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740100 57-GTM-B		Layer Missing			
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
Layer Not Analyzed					
1740100 57-GTM-B		Layer Missing			
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
Layer Not Analyzed					
1740100 57-GTM-B	Fibrous Material	Black Fibrous Homogenous		PLM 86% Other	PLM 14% Chrysotile
Layer-3 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740101 57-GTM-C		Layer Missing			
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
Layer Not Analyzed					
1740101 57-GTM-C		Layer Missing			
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
Layer Not Analyzed					
1740101 57-GTM-C	Fibrous Material	Black Fibrous Homogenous		PLM 86% Other	PLM 14% Chrysotile
Layer-3 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740102 59-TI-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Tank Insulation	Gray Fibrous Homogenous	PLM 10% Fiberglass	PLM 60% Other	PLM 30% Chrysotile
1740102 59-TI-A Layer-2 Analyst: Tia Ray Date Analyzed : 12/26/2024	Canvas	Gray Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1740102 59-TI-A Layer-3 Analyst: Tia Ray Date Analyzed : 12/26/2024	Insulation	White Fibrous Homogenous	PLM 90% Fiberglass	PLM 10% Other	PLM None Detected
1740103 59-TI-B Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025	Tank Insulation	White Fibrous Homogenous	PLM 10% Cellulose PLM 3% Fiberglass	PLM 62% Other	PLM 25% Chrysotile
1740103 59-TI-B Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025	Canvas	Gray Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1740103 59-TI-B Layer-3 Analyst: Alexis Rausch Date Analyzed : 02/26/2025	Insulation	White Fibrous Homogenous	PLM 90% Fiberglass	PLM 10% Other	PLM None Detected

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Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740104 59-TI-C	Tank Insulation	White Fibrous Homogenous	PLM 8% Fiberglass PLM 10% Cellulose	PLM 57% Other	PLM 25% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740104 59-TI-C	Canvas	Gray Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740104 59-TI-C	Insulation	White Fibrous Homogenous	PLM 90% Fiberglass	PLM 10% Other	PLM None Detected
Layer-3 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740105 60-WB-A	Wallboard	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740106 60-WB-B	Wallboard	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740107 60-WB-C	Wallboard	White Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740108 61-TPL-A	Textured Plaster	White Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740109 61-TPL-B	Textured Plaster	White Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740110 61-TPL-C	Textured Plaster	White Non-Fibrous Homogenous		PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740111 62-CB-A	Cove Base	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740111 62-CB-A	Adhesive	Tan Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740112 62-CB-B	Cove Base	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740112 62-CB-B	Adhesive	Tan Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740113 62-CB-C	Cove Base	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740113 62-CB-C	Adhesive	Tan Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740114 63-IC-A	Interior Caulk	Grey Non-Fibrous Homogenous	PC 0.75% Cellulose	PC 97% Other	PC 2.25% Chrysotile
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740115 63-IC-B		Layer Missing			
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
Layer Not Analyzed					
1740115 63-IC-B	Interior Caulk	Blue/Tan Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740116 63-IC-C	Interior Caulk	Blue/Grey Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740117 64-VD-A	Vibration Dampener	White Fibrous Homogenous		PLM 80% Other	PLM 20% Chrysotile
Layer-1 Analyst: Nico Alvarez-Lopez Date Analyzed : 12/24/2024					
1740118 64-VD-B	Vibration Dampener	White Fibrous Homogenous		PLM 80% Other	PLM 20% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					
1740119 64-VD-C	Vibration Dampener	White Fibrous Homogenous		PLM 80% Other	PLM 20% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740120 65-CA-A	Construction Adhesive	Black/Dark Brown Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 96% Other	PLM 3% Chrysotile
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024 With Powdery Material					
1740121 65-CA-B	Construction Adhesive	Black/Dark Brown Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025 With Powdery Material					
1740122 65-CA-C	Construction Adhesive	Black/Dark Brown Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 97% Other	PLM 3% Chrysotile
Layer-1 Analyst: Alexis Rausch Date Analyzed : 02/26/2025 With Powdery Material					
1740123 66-TPL-A	Textured Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1740124 66-TPL-B	Textured Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1740125 66-TPL-C	Textured Plaster	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740126 67-CP-A Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024	Ceiling Panel	Off-White Fibrous Homogenous	PLM 50% Cellulose PLM 40% Fiberglass	PLM 10% Other	PLM None Detected
1740127 67-CP-B Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024	Ceiling Panel	Off-White Fibrous Homogenous	PLM 50% Cellulose PLM 40% Fiberglass	PLM 10% Other	PLM None Detected
1740128 67-CP-C Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024	Ceiling Panel	Off-White Fibrous Homogenous	PLM 50% Cellulose PLM 40% Fiberglass	PLM 10% Other	PLM None Detected
1740129 68-PI-A Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024	Pipe Insulation	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740130 68-PI-B Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024	Pipe Insulation	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740131 68-PI-C Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024	Pipe Insulation	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740132 69-BM-A	Brick Mortar	Red/Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1740133 69-BM-B	Brick Mortar	Red/Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1740134 69-BM-C	Brick Mortar	Red/Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: James Farinas Date Analyzed : 12/24/2024					
1740135 70-RI-A	Rolled-In Insulation	Yellow Fibrous Homogenous	PLM 99% Fiberglass	PLM 1% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740136 70-RI-B	Rolled-In Insulation	Yellow Fibrous Homogenous	PLM 99% Fiberglass	PLM 1% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740137 70-RI-C	Rolled-In Insulation	Yellow Fibrous Homogenous	PLM 99% Fiberglass	PLM 1% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740138 71-CT-A	Ceiling Tile	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740139 71-CT-B	Ceiling Tile	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740140 71-CT-C	Ceiling Tile	White Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740141 72-CP-A	Ceiling Panel	Yellowish White Fibrous Homogenous	PLM 35% Fiberglass	PLM 65% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740142 72-CP-B	Ceiling Panel	Yellowish White Fibrous Homogenous	PLM 35% Fiberglass	PLM 65% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					
1740143 72-CP-C	Ceiling Panel	Yellowish White Fibrous Homogenous	PLM 35% Fiberglass	PLM 65% Other	PLM None Detected
Layer-1 Analyst: Alexis Rausch Date Analyzed : 12/24/2024					

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1740144 73-CP-A Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024	Ceiling Panel	White Fibrous Homogenous	PLM 86% Cellulose	PLM 14% Other	PLM None Detected
1740145 73-CP-B Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024	Ceiling Panel	White Fibrous Homogenous	PLM 86% Cellulose	PLM 14% Other	PLM None Detected
1740146 73-CP-C Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024	Ceiling Panel	White Fibrous Homogenous	PLM 86% Cellulose	PLM 14% Other	PLM None Detected
1740147 74-CA-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Construction Adhesive	Black Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1740148 74-CA-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Construction Adhesive	Black Non-Fibrous Homogenous	PLM 6% Cellulose	PLM 94% Other	PLM None Detected
1740149 74-CA-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Construction Adhesive	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740150 75-IC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740151 75-IC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1740152 75-IC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Interior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740153 76-CB-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Cove Base	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740153 76-CB-A Layer-2 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Adhesive	Purple Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740154 76-CB-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Cove Base	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740154 76-CB-B Layer-2 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Adhesive	Purple Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740155 76-CB-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Cove Base	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740155 76-CB-C Layer-2 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Adhesive	Purple Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740156 77-WG-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Window Glaze	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740157 77-WG-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Window Glaze	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740158 77-WG-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Window Glaze	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740159 79-FS-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024 With Backing	Vinyl Sheeting	Light Brown Fibrous Non-Homogenous	PLM 8% Cellulose	PLM 77% Other	PLM 15% Chrysotile
1740160 79-FS-B Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025 With Backing	Vinyl Sheeting	Light Brown Fibrous Non-Homogenous	PLM 15% Cellulose	PLM 70% Other	PLM 15% Chrysotile
1740161 79-FS-C Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025 With Backing	Vinyl Sheeting	Light Brown Fibrous Non-Homogenous	PLM 35% Cellulose	PLM 50% Other	PLM 15% Chrysotile
1740162 80-IC-A Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024	Interior Caulk	Brown Non-Fibrous Homogenous		PC 98.25% Other	PC 1.75% Chrysotile

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740163 80-IC-B	Interior Caulk	Brown Fibrous Homogenous	PLM 7% Cellulose	PLM 91% Other	PLM 2% Chrysotile
Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025					
1740163 80-IC-B	Cementitious Material	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: OJ Ivey Date Analyzed : 02/26/2025					
1740164 80-IC-C	Interior Caulk	Brown Fibrous Homogenous	PLM 9% Cellulose	PLM 89% Other	PLM 2% Chrysotile
Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025					
1740164 80-IC-C	Cementitious Material	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: OJ Ivey Date Analyzed : 02/26/2025					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740165 81-GM-A	Ceramic Tile	Blue Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740165 81-GM-A	Grout	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740165 81-GM-A	Mortar	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-3 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740166 81-GM-B	Ceramic Tile	Blue Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740166 81-GM-B	Grout	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740166 81-GM-B	Mortar	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-3 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740167 81-GM-C	Ceramic Tile	Blue Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740167 81-GM-C	Grout	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740167 81-GM-C	Mortar	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-3 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740167 81-GM-C	Rubbery Material	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-4 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740168 82-GM-A	Ceramic Tile	Blue Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740168 82-GM-A	Grout	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740168 82-GM-A	Mortar	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-3 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740169 82-GM-B	Ceramic Tile	Blue Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740169 82-GM-B	Grout	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740169 82-GM-B	Mortar	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-3 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740170 82-GM-C	Ceramic Tile	Blue Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740170 82-GM-C	Grout	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740170 82-GM-C	Mortar	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-3 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740171 83-IC-A	Interior Caulk	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740172 83-IC-B	Interior Caulk	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740173 83-IC-C	Interior Caulk	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740174 84-EJ-A	Expansion Joint	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740175 84-EJ-B	Expansion Joint	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740176 84-EJ-C	Expansion Joint	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740176 84-EJ-C	Brittle Material	Grey Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740177 85-CM-A	Carpet Mastic	Green Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740178 85-CM-B	Carpet Mastic	Green Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740179 85-CM-C Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024	Carpet Mastic	Green Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740180 87-IC-A Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024	Interior Caulk	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740181 87-IC-B Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024	Interior Caulk	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740182 87-IC-C Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024	Interior Caulk	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740183 88-FT-A Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024	Floor Tile	Wood Pattern Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740183 88-FT-A Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024	Mastic	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740184 88-FT-B	Floor Tile	Wood Pattern Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740184 88-FT-B	Mastic	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740185 88-FT-C	Floor Tile	Wood Pattern Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740185 88-FT-C	Mastic	Yellow Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740186 89-WG-A	Window Glaze	Beige Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740187 89-WG-B	Window Glaze	Beige Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740187 89-WG-B	Brittle Material	Pink Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740188 89-WG-C		Layer Missing			
Layer-1 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
Layer Not Analyzed					
1740188 89-WG-C	Brittle Material	Pink Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
Layer-2 Analyst: Teagan Murphy Date Analyzed : 12/26/2024					
1740189 90-EJ-A	Expansion Joint	Gray Non-Fibrous Homogenous		PLM 92% Other	PLM 8% Chrysotile
Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024					
1740190 90-EJ-B	Expansion Joint	Gray Fibrous Homogenous	PLM 5% Cellulose	PLM 87% Other	PLM 8% Chrysotile
Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740191 90-EJ-C Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Expansion Joint	Gray Fibrous Homogenous	PLM 4% Cellulose	PLM 90% Other	PLM 6% Chrysotile
1740192 91-EJ-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Expansion Joint	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740193 91-EJ-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Expansion Joint	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740193 91-EJ-B Layer-2 Analyst: Tia Ray Date Analyzed : 12/26/2024	Tacky Material	Gray Non-Fibrous Homogenous		PLM 98% Other	PLM 2% Chrysotile
1740194 91-EJ-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Expansion Joint	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740194 91-EJ-C Layer-2 Analyst: Tia Ray Date Analyzed : 12/26/2024 Layer Not Analyzed		Layer Missing			

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ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740195 92-EJ-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Expansion Joint	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740196 92-EJ-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Expansion Joint	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740197 92-EJ-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Expansion Joint	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740198 93-CC-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Concrete Chip	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740199 93-CC-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Concrete Chip	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740200 93-CC-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Concrete Chip	Gray Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740201 94-WP-A	Waterproofing	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740202 94-WP-B	Waterproofing	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740203 94-WP-C	Waterproofing	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740204 95-GBM-A	Glass Block Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740204 95-GBM-A		Layer Missing			
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024 Layer Not Analyzed					

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Novi,Michigan 48377

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740205 95-GBM-B	Glass Block Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740205 95-GBM-B		Layer Missing			
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024 Layer Not Analyzed					
1740206 95-GBM-C	Glass Block Mortar	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740206 95-GBM-C		Layer Missing			
Layer-2 Analyst: Ben Jones Date Analyzed : 12/26/2024 Layer Not Analyzed					
1740207 96-EC-A	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740208 96-EC-B	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					

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MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740209 96-EC-C	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740210 97-WG-A	Window Glaze	Gray Non-Fibrous Homogenous	PC 0.5% Cellulose	PC 99.25% Other	PC 0.25% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740211 97-WG-B	Window Glaze	Gray Non-Fibrous Homogenous		PC 100% Other	PC None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740212 97-WG-C	Window Glaze	Gray Non-Fibrous Homogenous	PC 0.25% Cellulose	PC 99.75% Other	PC Trace Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740213 98-WG-A	Window Glaze	Gray Non-Fibrous Homogenous	PC 0.25% Cellulose	PC 99.5% Other	PC 0.25% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740214 98-WG-B	Window Glaze	Gray Non-Fibrous Homogenous	PC 0.5% Cellulose	PC 99.5% Other	PC None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					

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Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740215 98-WG-C	Window Glaze	Gray Non-Fibrous Homogenous	PC 0.25% Cellulose	PC 99.75% Other	PC None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740216 99-WG-A	Window Glaze	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740217 99-WG-B	Window Glaze	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740218 99-WG-C	Window Glaze	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 12/26/2024					
1740219 100-EC-A	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 90% Other	PLM 7% Chrysotile
Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024					
1740220 100-EC-B	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 7% Cellulose	PLM 86% Other	PLM 7% Chrysotile
Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025					

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Client Project : 188BS24700
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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740221 100-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 6% Cellulose	PLM 87% Other	PLM 7% Chrysotile
1740222 101-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 6% Cellulose	PLM 94% Other	PLM None Detected
1740223 101-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740224 101-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740225 102-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Fibrous Homogenous	PLM 8% Cellulose	PLM 87% Other	PLM 5% Chrysotile
1740226 102-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Gray Fibrous Homogenous	PLM 15% Cellulose	PLM 80% Other	PLM 5% Chrysotile

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Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740227 102-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Gray Fibrous Homogenous	PLM 13% Cellulose	PLM 82% Other	PLM 5% Chrysotile
1740228 103-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 91% Other	PLM 6% Chrysotile
1740229 103-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 87% Other	PLM 8% Chrysotile
1740230 103-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 88% Other	PLM 7% Chrysotile
1740231 104-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740232 104-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740233 104-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740234 105-RM-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Roofing Material	Black Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740234 105-RM-A Layer-2 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Fibrous Material	Pink Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740234 105-RM-A Layer-3 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Vapor Paper	Black Fibrous Homogenous	PLM 25% Cellulose	PLM 75% Other	PLM None Detected
1740234 105-RM-A Layer-4 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Tar	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740235 105-RM-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Roofing Material	Black Non-Fibrous Homogenous	PLM 7% Cellulose	PLM 93% Other	PLM None Detected
1740235 105-RM-B Layer-2 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Fibrous Material	Pink Fibrous Homogenous	PLM 45% Cellulose	PLM 55% Other	PLM None Detected
1740235 105-RM-B Layer-3 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Vapor Paper	Black Fibrous Homogenous	PLM 23% Cellulose	PLM 77% Other	PLM None Detected
1740235 105-RM-B Layer-4 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Tar	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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Romulus, Michigan 48174
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Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740236 105-RM-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Roofing Material	Black Non-Fibrous Homogenous	PLM 6% Cellulose	PLM 94% Other	PLM None Detected
1740236 105-RM-C Layer-2 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Fibrous Material	Pink Fibrous Homogenous	PLM 55% Cellulose	PLM 45% Other	PLM None Detected
1740236 105-RM-C Layer-3 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Vapor Paper	Black Fibrous Homogenous	PLM 15% Cellulose	PLM 85% Other	PLM None Detected
1740236 105-RM-C Layer-4 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Tar	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740237 105-RM-D Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Roofing Material	Black Non-Fibrous Homogenous	PLM 10% Cellulose	PLM 90% Other	PLM None Detected
1740237 105-RM-D Layer-2 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Fibrous Material	Pink/Blue Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740237 105-RM-D Layer-3 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Vapor Paper	Black Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
1740237 105-RM-D Layer-4 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Tar	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740238 106-CC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740239 106-CC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected

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Certificate of Analysis

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To : Atlas - Novi
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Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740240 106-CC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Concrete Chip	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740241 107-TC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Terracotta	Red Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740242 107-TC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Terracotta	Red Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1740243 107-TC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Terracotta	Red Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740244 108-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740245 108-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740246 108-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740247 109-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1740248 109-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740249 109-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740250 110-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740251 110-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740252 110-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740253 111-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Dark Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740254 111-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Dark Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740255 111-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Dark Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740256 112-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Light Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740257 112-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Light Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740258 112-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Light Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740259 113-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740260 113-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740261 113-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740262 114-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740263 114-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740264 114-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740265 115-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1740266 115-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740267 115-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1740268 116-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1740269 116-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected

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To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740270 116-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740271 117-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Dark Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 86% Other	PLM 10% Chrysotile
1740272 117-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Dark Grey Fibrous Homogenous	PLM 5% Cellulose	PLM 85% Other	PLM 10% Chrysotile
1740273 117-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Dark Grey Fibrous Homogenous	PLM 6% Cellulose	PLM 84% Other	PLM 10% Chrysotile
1740274 118-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 6% Cellulose	PLM 94% Other	PLM None Detected
1740275 118-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740276 118-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740277 119-EC-A Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Pink Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1740278 119-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Pink Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1740279 119-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024	Exterior Caulk	Pink Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1740280 120-EC-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Exterior Caulk	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740281 120-EC-B Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Exterior Caulk	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected

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NVLAP LAB CODE 201028-0

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Rd, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 275162
Client Project : 188BS24700
Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740282 120-EC-C Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Exterior Caulk	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740283 121-EC-A Layer-1 Analyst: Tia Ray Date Analyzed : 12/26/2024	Exterior Caulk	Gray Non-Fibrous Homogenous		PLM 95% Other	PLM 5% Chrysotile
1740284 121-EC-B Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 91% Other	PLM 5% Chrysotile
1740284 121-EC-B Layer-2 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Rubbery Material	White Non-Fibrous Homogenous		PLM 100% Other	PLM None Detected
1740285 121-EC-C Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Exterior Caulk	Gray Non-Fibrous Homogenous	PLM 6% Cellulose	PLM 90% Other	PLM 4% Chrysotile
1740285 121-EC-C Layer-2 Analyst: OJ Ivey Date Analyzed : 02/26/2025	Rubbery Material	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

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Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740286 122-EC-A	Exterior Caulk	Black Non-Fibrous Homogenous		PLM 95% Other	PLM 5% Chrysotile
Layer-1 Analyst: OJ Ivey Date Analyzed : 12/26/2024					
1740287 122-EC-B	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 93% Other	PLM 5% Chrysotile
Layer-1 Analyst: OJ Ivey Date Analyzed : 02/26/2025					

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ETL Job : 275162
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Date Collected : 12/20/2024
Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1740288 122-EC-C	Exterior Caulk	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 92% Other	PLM 5% Chrysotile

Layer-1 Analyst: OJ Ivey
Date Analyzed : 02/26/2025

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Date Received : 12/20/2024

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos

Emily Schrader

Lab Supervisor/Other Signatory

Analyst:

Ben Jones

Ben Jones

Chris Canilao

Chris Canilao

Nico Alvarez-Lopez

Nico Alvarez-Lopez

Alexis Rausch

Alexis Rausch

James Farinas

James Farinas

Orlando James Ivey Jr.

OJ Ivey

Teagan Murphy

Teagan Murphy

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos

Tia Ray

Tia Ray

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC")
Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples
Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples
EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials
EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples
A % Asbestos result of "Trace" indicates that the analyzed material was found to contain less than 1% asbestos and would not be considered an Asbestos Containing Material (ACM).

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Bulk Asbestos Chain of Custody

ETL Project #: 2751162

Client:	Atlas Technical Consultants	**Contact:** Rob Smith	**Project Location/name:** 570 RED CEDAR ROAD, EAST LANSING, MICHIGAN 48823 / MSU CENTRAL SERVICES BUILDING
		Phone: 248-669-5140	
Address:	46555 Humboldt Dr. Ste. 100 Novi, MI 48377	**Fax:** 248-669-5147	
		E-mail:	**Client Project #:** 188BS24700
Please Provide Results: ☐ Email ☐ Fax ☐ Verbal ☐ Other _____			**Date Sampled:** 12/6/2024

Turnaround Time (TAT): ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr ☐ Standard (3-5 days) X **Other** 72 hours

PLM Instructions (Check all that apply)	
X PLM EPA600/R-93/116, 1993 (Standard method)	X Stop at 1st Positive - *Clearly mark Homogenous Group*
Point Counting: ☐ 400 Points* ☐ NYSDOH ELAP 198.1, 2002*	
☐ Gravimetric Reduction* ☐ NYSDOH ELAP 198.6, 2010*	
☐ PLM Non-Building Material (Dust, Wipe, Tape)	☐ Soil or Vermiculite Analysis*

** Additional charge and turnaround may be required*

Lab ID	Sample ID	Material Description	Sample Location	Quantity
—	1 - NOT SAMPLED	Fire door & frame - metal - ASSUMED	ASSUMED MATERIAL	97 Doors
—	2 - NOT SAMPLED	Fire door & frame - wood - ASSUMED	ASSUMED MATERIAL	19 Doors
1739 935	3-CC-A	Concrete chip - concrete slab foundation & decks	FS-1	69470 SF
936	3-CC-B	Concrete chip - concrete slab foundation & decks	FS-19	NA
937	3-CC-C	Concrete chip - concrete slab foundation & decks	FS-4	NA
938	4-TZ-A	Terrazzo flooring - Grey mix with white, beige, and black stone	FS-16	3122 SF
939	4-TZ-B	Terrazzo flooring - Grey mix with white, beige, and black stone	FS-17	NA
940	4-TZ-C	Terrazzo flooring - Grey mix with white, beige, and black stone	FS-28	NA
941	5-BM-A	Brick mortar - CMU block walls	FS-27	40405 SF
942	5-BM-B	Brick mortar - CMU block walls	FS-62	NA
943	5-BM-C	Brick mortar - CMU block walls	FS-76	NA

		Date	Time
Relinquished (Name/Organization):	Andrew DeLodder / Atlas Technical Consultants	12/18/2024	12:00pm am/pm
Received (Name/ETL):		12.19.24	3:35 am/pm
Sample Login (Name/ETL):		12.20.24	7:37 am/pm
Stereoscopical/Sample Analysis (Name/ETL)			am/pm
Results (Name/ETL):			am/pm
QA/QC Review (Name/ETL):		12/26/24	2:50 am/pm

Special Instructions:
- 1st Positive Stop;
- Composite all drywall/joint compound samples if any layer of system is greater than 1% asbestos;
- Point Count ALL PLASTER samples Trace to 3% asbestos content
- Point Count ALL SAMPLES Trace to 1% asbestos content

Remarks

9

****IN ORDER TO ENSURE RESULTS BY SPECIFIED TAT, THE LAB MUST BE EMAILED/CALLED WITH THE QUANTITY OF SAMPLES TO BE SHIPPED OR DROPPED OFF**

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Bulk Asbestos
Chain of Custody

ETL Project #: 275162

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

1739

Lab ID	Sample ID	Material Description	Sample Location	QUANTITY
944	6-BM-A	Brick mortar - glazed ceramic block walls	FS-2	33190 SF
945	6-BM-B	Brick mortar - glazed ceramic block walls	FS-16	NA
946	6-BM-C	Brick mortar - glazed ceramic block walls	FS-32	NA
947	7-BM-A	Brick mortar - skim coat on CMU block walls	FS-1	341 SF
948	7-BM-B	Brick mortar - skim coat on CMU block walls	FS-1	NA
949	7-BM-C	Brick mortar - skim coat on CMU block walls	FS-39	NA
950	8-GM-A	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	FS-1	28014 SF
951	8-GM-B	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	FS-29	NA
952	8-GM-C	Ceramic tile, grout, mortar - 6" red tile with grey grout, mortar	FS-46	NA
953	9-IC-A	Interior caulk - red, penetrations / void filler	FS-1	225 LF
954	9-IC-B	Interior caulk - red, penetrations / void filler	FS-39	NA
955	9-IC-C	Interior caulk - red, penetrations / void filler	FS-76	NA
956	10-IC-A	Interior caulk - grey, penetrations / void filler	FS-1	57 LF
957	10-IC-B	Interior caulk - grey, penetrations / void filler	FS-6	NA
958	10-IC-C	Interior caulk - grey, penetrations / void filler	FS-78	NA
959	11-IC-A	Interior caulk - Dark brown, perimeter of door/window frames	FS-1	880 LF
960	11-IC-B	Interior caulk - Dark brown, perimeter of door/window frames	FS-7	NA
961	11-IC-C	Interior caulk - Dark brown, perimeter of door/window frames	FS-36	NA
962	12-PI-A	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	FS-57	3410 LF
963	12-PI-B	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	FS-73	NA
964	12-PI-C	Pipe insulation - paper wrapped fiberglass insulation, white colored wrapping	FS-76	NA
965	13-PF-A	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	FS-57	1456 Fittings
966	13-PF-B	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	FS-73	NA
967	13-PF-C	Pipe fitting - plastic covered fiberglass insulation, on white colored paper wrapped fiberglass insulation lines	FS-76	NA
968	14-IC-A	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	FS-57	145 LF
969	14-IC-B	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	FS-73	NA
970	14-IC-C	Interior caulk - white, soft, on seams of white colored paper wrapped fiberglass pipe insulation lines	FS-76	NA
971	15-PI-A	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	FS-69	1830 LF
972	15-PI-B	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	FS-7	NA
973	15-PI-C	Pipe insulation - paper wrapped fiberglass insulation, brown colored wrapping	FS-10	NA
974	16-PF-A	Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines	FS-1	283 Fittings
975	16-PF-B	Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines	FS-69	NA
976	16-PF-C	Pipe fitting - canvas covered mudded fitting on brown colored paper wrapped fiberglass insulation lines	FS-54	NA
977	17-HM-A	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	FS-1	78 Hangers
978	17-HM-B	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	FS-1	NA
979	17-HM-C	Hanger mud - on brown colored paper wrapped fiberglass insulation lines	FS-1	NA
980	18-PI-A	Pipe insulation - wool felt, blue colored sprinkler lines	FS-74	875 LF
981	18-PI-B	Pipe insulation - wool felt, blue colored sprinkler lines	FS-1	NA
982	18-PI-C	Pipe insulation - wool felt, blue colored sprinkler lines	FS-27	NA
983	19-PF-A	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	FS-1	159 Fittings
984	19-PF-B	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	FS-74	NA
985	19-PF-C	Pipe fitting - canvas covered mudded fitting, on wool felt blue colored sprinkler wool felt insulation lines	FS-21	NA
986	20-PI-A	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	FS-7	468 LF
987	20-PI-B	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	FS-16	NA
988	20-PI-C	Pipe insulation - aircell pipe insulation on steam lines, painted and non-painted	FS-43	NA

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Bulk Asbestos
Chain of Custody

ETL Project #: 275162

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Lab ID	Sample ID	Material Description	Sample Location	QUANTITY
1739 989	21-PF-A	Pipe fitting - canvas covered mudded fittings, on aircell steam line	FS-7	93 Fittings
990	21-PF-B	Pipe fitting - canvas covered mudded fittings, on aircell steam line	FS-16	NA
991	21-PF-C	Pipe fitting - canvas covered mudded fittings, on aircell steam line	FS-43	NA
992	22-PI-A	Pipe insulation - cork	FS-1	11 LF
993	22-PI-B	Pipe insulation - cork	FS-2	NA
994	22-PI-C	Pipe insulation - cork	FS-2	NA
995	23-CI-A	Cork wall insulation - inside wall between the two block layers	FS-4	15645 SF
996	23-CI-B	Cork wall insulation - inside wall between the two block layers	FS-11	NA
997	23-CI-C	Cork wall insulation - inside wall between the two block layers	FS-40	NA
998	24-CI-A	Cork insulation - exterior adhered cork insulation	FS-7	16430 SF
999	24-CI-B	Cork insulation - exterior adhered cork insulation	FS-3	NA
1740 000	24-CI-C	Cork insulation - exterior adhered cork insulation	FS-25	NA
001	25-IC-A	Interior caulk - greenish grey, hard, inside electrical boxes	FS-2	10 LF
002	25-IC-B	Interior caulk - greenish grey, hard, inside electrical boxes	FS-2	NA
003	25-IC-C	Interior caulk - greenish grey, hard, inside electrical boxes	FS-10	NA
004	26-PI-A	Pipe insulation - horse hair bands under metal hangers	FS-3	5 LF
005	26-PI-B	Pipe insulation - horse hair bands under metal hangers	FS-3	NA
006	26-PI-C	Pipe insulation - horse hair bands under metal hangers	FS-30	NA
007	27-FT-A	Floor tile - 12" beige tile with red streaks,	FS-6	100 SF
008	27-FT-B	Floor tile - 12" beige tile with red streaks,	FS-6	NA
009	27-FT-C	Floor tile - 12" beige tile with red streaks,	FS-6	NA
010	28-CB-A	Cove base - 4" brown vinyl with adhesive	FS-6	40 LF
011	28-CB-B	Cove base - 4" brown vinyl with adhesive	FS-6	NA
012	28-CB-C	Cove base - 4" brown vinyl with adhesive	FS-6	NA
013	29-CP-A	Ceiling panel - 2' white pinhole/fissure texture	FS-6	7480 SF
014	29-CP-B	Ceiling panel - 2' white pinhole/fissure texture	FS-6	NA
015	29-CP-C	Ceiling panel - 2' white pinhole/fissure texture	FS-6	NA
016	30-BM-A	Brick mortar - 12"x4" concrete bricks	FS-7	2350 SF
017	30-BM-B	Brick mortar - 12"x4" concrete bricks	FS-7	NA
018	30-BM-C	Brick mortar - 12"x4" concrete bricks	FS-7	NA
019	31-BM-A	Brick mortar - 2"x6" concrete bricks	FS-7	200 SF
020	31-BM-B	Brick mortar - 2"x6" concrete bricks	FS-7	NA
021	31-BM-C	Brick mortar - 2"x6" concrete bricks	FS-7	NA
022	32-IC-A	Interior caulk - black, perimeter of cork insulation	FS-7	160 LF
023	32-IC-B	Interior caulk - black, perimeter of cork insulation	FS-8	NA
024	32-IC-C	Interior caulk - black, perimeter of cork insulation	FS-9	NA
025	33-WG-A	Window glaze - grey caulk	FS-7	1 Window
026	33-WG-B	Window glaze - grey caulk	FS-7	NA
027	33-WG-C	Window glaze - grey caulk	FS-7	NA
028	34-TI-A	Tank insulation	FS-7	1 Tank
029	34-TI-B	Tank insulation	FS-7	NA
030	34-TI-C	Tank insulation	FS-7	NA
031	35-WG-A	Window glaze - black, on door window	FS-8	2 Windows
032	35-WG-B	Window glaze - black, on door window	FS-9	NA
033	35-WG-C	Window glaze - black, on door window	FS-9	NA

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Bulk Asbestos
Chain of Custody

ETL Project #: 2751162

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Lab ID	Sample ID	Material Description	Sample Location	QUANTITY
0034	36-FT-A	Floor tile - 12" light brown with mottle, box of tile	FS-13	4 Boxes
0035	36-FT-B	Floor tile - 12" light brown with mottle, box of tile	FS-13	NA
036	36-FT-C	Floor tile - 12" light brown with mottle, box of tile	FS-13	NA
037	37-FT-A	Floor tile - 12" white with black streaks, box of tile	FS-13	6 Boxes
038	37-FT-B	Floor tile - 12" white with black streaks, box of tile	FS-13	NA
039	37-FT-C	Floor tile - 12" white with black streaks, box of tile	FS-13	NA
040	38-WG-A	Window glaze - White glaze, metal window leaned against wall	FS-13	1 Window
041	38-WG-B	Window glaze - White glaze, metal window leaned against wall	FS-13	NA
042	38-WG-C	Window glaze - White glaze, metal window leaned against wall	FS-13	NA
043	39-WG-A	Window glaze - soft, grey, metal window	FS-14	1 Window
044	39-WG-B	Window glaze - soft, grey, metal window	FS-14	NA
045	39-WG-C	Window glaze - soft, grey, metal window	FS-14	NA
046	40-WBS-A	Wallboard system - buildout - wet wall	FS-16	2535 SF
047	40-WBS-B	Wallboard system - buildout - wet wall	FS-49	NA
048	40-WBS-C	Wallboard system - buildout - wet wall	FS-35	NA
049	41-CB-A	Cove base 4" black vinyl with adhesive	FS-16	1315 LF
050	41-CB-B	Cove base 4" black vinyl with adhesive	FS-22	NA
051	41-CB-C	Cove base 4" black vinyl with adhesive	FS-46	NA
052	42-GP-A	Glue pod - brown	FS-17	285 SF
053	42-GP-B	Glue pod - brown	FS-35	NA
054	42-GP-C	Glue pod - brown	FS-36	NA
055	43-TPL-A	Textured plaster - rough texture, walls	FS-19	4470 SF
056	43-TPL-B	Textured plaster - rough texture, walls	FS-22	NA
057	43-TPL-C	Textured plaster - rough texture, walls	FS-23	NA
058	43-TPL-D	Textured plaster - rough texture, walls	FS-23	NA
059	43-TPL-E	Textured plaster - rough texture, walls	FS-23	NA
060	44-PI-A	Pipe insulation - magnesia	FS-25	985 LF
061	44-PI-B	Pipe insulation - magnesia	FS-20	NA
062	44-PI-C	Pipe insulation - magnesia	FS-19	NA
063	45-PF-A	Pipe fitting - canvas wrapped mudded fitting on magnesia line	FS-25	200 Fittings
064	45-PF-B	Pipe fitting - canvas wrapped mudded fitting on magnesia line	FS-20	NA
065	45-PF-C	Pipe fitting - canvas wrapped mudded fitting on magnesia line	FS-19	NA
066	46-BM-A	Brick mortar - beige glazed ceramic block	FS-20	11475 SF
067	46-BM-B	Brick mortar - beige glazed ceramic block	FS-21	NA
068	46-BM-C	Brick mortar - beige glazed ceramic block	FS-69	NA
069	47-IC-A	Interior caulk - white, hard, on restroom fixtures	FS-20	35 LF
070	47-IC-B	Interior caulk - white, hard, on restroom fixtures	FS-21	NA
071	47-IC-C	Interior caulk - white, hard, on restroom fixtures	FS-49	NA
072	48-PTN-A	Bathroom partition insulation - pressed paper	FS-20	95 SF
073	48-PTN-B	Bathroom partition insulation - pressed paper	FS-21	NA
074	48-PTN-C	Bathroom partition insulation - pressed paper	FS-21	NA
075	49-WG-A	Window glaze - beige glaze, window in metal door	FS-20	11 Windows
076	49-WG-B	Window glaze - beige glaze, window in metal door	FS-21	NA
077	49-WG-C	Window glaze - beige glaze, window in metal door	FS-23	NA

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078	50-FT-A	Floor tile - 9" black tile, black mastic	FS-22	210 SF
079	50-FT-B	Floor tile - 9" black tile, black mastic	FS-22	NA
080	50-FT-C	Floor tile - 9" black tile, black mastic	FS-22	NA
081	51-FT-A	Floor tile - 9" dark brown, black mastic	FS-22	210 SF
082	51-FT-B	Floor tile - 9" dark brown, black mastic	FS-22	NA
083	51-FT-C	Floor tile - 9" dark brown, black mastic	FS-22	NA
084	52-FT-A	Floor tile - 9" grey with black streaks, black mastic	FS-22	210 SF
085	52-FT-B	Floor tile - 9" grey with black streaks, black mastic	FS-22	NA
086	52-FT-C	Floor tile - 9" grey with black streaks, black mastic	FS-22	NA
087	53-CP-A	Ceiling panel - 2' white rough texture with foil backing	FS-25	45 SF
088	53-CP-B	Ceiling panel - 2' white rough texture with foil backing	FS-25	NA
089	53-CP-C	Ceiling panel - 2' white rough texture with foil backing	FS-25	NA
090	54-CP-A	Ceiling panel - 2' white composite with metal cover	FS-25	10 SF
091	54-CP-B	Ceiling panel - 2' white composite with metal cover	FS-25	NA
092	54-CP-C	Ceiling panel - 2' white composite with metal cover	FS-25	NA
093	55-CP-A	Ceiling panel - 2'x4' wallboard with vinyl cover	FS-25	1360 SF
094	55-CP-B	Ceiling panel - 2'x4' wallboard with vinyl cover	FS-25	NA
095	55-CP-C	Ceiling panel - 2'x4' wallboard with vinyl cover	FS-25	NA
096	56-WP-A	Water proofing - black spray-on, on walls/ceiling	FS-25	1360 SF
097	56-WP-B	Water proofing - black spray-on, on walls/ceiling	FS-25	NA
098	56-WP-C	Water proofing - black spray-on, on walls/ceiling	FS-25	NA
099	57-GTM-A	Gasket material - fiber gaskets between steel fittings	FS-27	44 Gaskets
100	57-GTM-B	Gasket material - fiber gaskets between steel fittings	FS-25	NA
101	57-GTM-C	Gasket material - fiber gaskets between steel fittings	FS-25	NA
—	58 - NOT USED	Number not used	NA	NA
102	59-TI-A	Tank insulation - canvas paper wrapped fiberglass over magnesia block	FS-25	45 SF (1 Tank)
103	59-TI-B	Tank insulation - canvas paper wrapped fiberglass over magnesia block	FS-25	NA
104	59-TI-C	Tank insulation - canvas paper wrapped fiberglass over magnesia block	FS-25	NA
105	60-WB-A	Wallboard - compressor room walls	FS-27	135 SF
106	60-WB-B	Wallboard - compressor room walls	FS-27	NA
107	60-WB-C	Wallboard - compressor room walls	FS-27	NA
108	61-TPL-A	Textured plaster - rough texture, ceiling	FS-28	180 SF
109	61-TPL-B	Textured plaster - rough texture, ceiling	FS-28	NA
110	61-TPL-C	Textured plaster - rough texture, ceiling	FS-28	NA
111	62-CB-A	Cove base - 4" grey vinyl with adhesive	FS-28	20 SF
112	62-CB-B	Cove base - 4" grey vinyl with adhesive	FS-28	NA
113	62-CB-C	Cove base - 4" grey vinyl with adhesive	FS-28	NA
114	63-IC-A	Interior caulk - grey, hard, perimeter of metal window frame	FS-28	570 SF
115	63-IC-B	Interior caulk - grey, hard, perimeter of metal window frame	FS-32	NA
116	63-IC-C	Interior caulk - grey, hard, perimeter of metal window frame	FS-71	NA
117	64-VD-A	Vibration dampener - white canvas	FS-28	40 SF
118	64-VD-B	Vibration dampener - white canvas	FS-28	NA
119	64-VD-C	Vibration dampener - white canvas	FS-28	NA

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120	65-CA-A	Construction adhesive - black / dark brown, under steel corner guard	FS-29	165 SF
121	65-CA-B	Construction adhesive - black / dark brown, under steel corner guard	FS-29	NA
122	65-CA-C	Construction adhesive - black / dark brown, under steel corner guard	FS-29	NA
123	66-TPL-A	Textured plaster - trawled straight	FS-33	5 SF
124	66-TPL-B	Textured plaster - trawled straight	FS-33	NA
125	66-TPL-C	Textured plaster - trawled straight	FS-33	NA
126	67-CP-A	Ceiling panel - Off white pinhole and fissure (large fissure)	FS-37	1110 SF
127	67-CP-B	Ceiling panel - Off white pinhole and fissure (large fissure)	FS-35	NA
128	67-CP-C	Ceiling panel - Off white pinhole and fissure (large fissure)	FS-35	NA
129	68-PI-A	Pipe insulation - black, tar tape	FS-38	5 LF
130	68-PI-B	Pipe insulation - black, tar tape	FS-38	NA
131	68-PI-C	Pipe insulation - black, tar tape	FS-38	NA
132	69-BM-A	Brick mortar - exterior siding red brick	EA-1	NA
133	69-BM-B	Brick mortar - exterior siding red brick	EA-2	NA
134	69-BM-C	Brick mortar - exterior siding red brick	EA-3	NA
135	70-RI-A	Rolled-in insulation - plastic wrapped fiberglass duct insulation	FS-43	1100 SF
136	70-RI-B	Rolled-in insulation - plastic wrapped fiberglass duct insulation	FS-43	NA
137	70-RI-C	Rolled-in insulation - plastic wrapped fiberglass duct insulation	FS-43	NA
138	71-CT-A	Ceiling tile -12" white with 1/4 inch holes	FS-35	560 SF
139	71-CT-B	Ceiling tile -12" white with 1/4 inch holes	FS-36	NA
140	71-CT-C	Ceiling tile -12" white with 1/4 inch holes	FS-36	NA
141	72-CP-A	Ceiling panel - yellowish white, pinhole/fissure (small fissure), grey composite material	FS-46	40 SF
142	72-CP-B	Ceiling panel - yellowish white, pinhole/fissure (small fissure), grey composite material	FS-46	NA
143	72-CP-C	Ceiling panel - yellowish white, pinhole/fissure (small fissure), grey composite material	FS-47	NA
144	73-CP-A	Ceiling panel - white, various size pinhole texture, beige composite material	FS-46	5323 SF
145	73-CP-B	Ceiling panel - white, various size pinhole texture, beige composite material	FS-47	NA
146	73-CP-C	Ceiling panel - white, various size pinhole texture, beige composite material	FS-51	NA
147	74-CA-A	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	FS-46	245 SF
148	74-CA-B	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	FS-46	NA
149	74-CA-C	Construction adhesive - black, behind plastic wall guards, dripping down wall surface	FS-47	NA
150	75-IC-A	Interior caulk - grey duct caulk	FS-49	18 SF
151	75-IC-B	Interior caulk - grey duct caulk	FS-49	NA
152	75-IC-C	Interior caulk - grey duct caulk	FS-49	NA
153	76-CB-A	Cove base - 6" black vinyl with adhesive	FS-49	40 LF
154	76-CB-B	Cove base - 6" black vinyl with adhesive	FS-49	NA
155	76-CB-C	Cove base - 6" black vinyl with adhesive	FS-49	NA
156	77-WG-A	Window glaze - black caulk, perimeter of office interior window	FS-49	15 LF
157	77-WG-B	Window glaze - black caulk, perimeter of office interior window	FS-49	NA
158	77-WG-C	Window glaze - black caulk, perimeter of office interior window	FS-49	NA
—	78 - NOT SAMPLED	Roof drain fitting - unknown material - ASSUMED	NA	1 Fitting
159	79-FS-A	Vinyl sheeting - Brown/light squares.	FS-53	265 SF
160	79-FS-B	Vinyl sheeting - Brown/light squares.	FS-53	NA
161	79-FS-C	Vinyl sheeting - Brown/light squares.	FS-53	NA

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162	80-IC-A	Interior caulk - Brown caulk - Perimeter of glass block	FS-53	390 LF
163	80-IC-B	Interior caulk - Brown caulk - Perimeter of glass block	FS-53	NA
164	80-IC-C	Interior caulk - Brown caulk - Perimeter of glass block	FS-53	NA
165	81-GM-A	Ceramic tile, grout, mortar - 2" blue floor tile	FS-56	25 SF
166	81-GM-B	Ceramic tile, grout, mortar - 2" blue floor tile	FS-56	NA
167	81-GM-C	Ceramic tile, grout, mortar - 2" blue floor tile	FS-56	NA
168	82-GM-A	Ceramic tile, grout, mortar - 4" blue wall tile	FS-56	40 SF
169	82-GM-B	Ceramic tile, grout, mortar - 4" blue wall tile	FS-56	NA
170	82-GM-C	Ceramic tile, grout, mortar - 4" blue wall tile	FS-56	NA
171	83-IC-A	Interior caulk - white, seam of counter and backsplash	FS-56	20 LF
172	83-IC-B	Interior caulk - white, seam of counter and backsplash	FS-56	NA
173	83-IC-C	Interior caulk - white, seam of counter and backsplash	FS-56	NA
174	84-EJ-A	Expansion joint - Concrete slab foundation	FS-56	60 LF
175	84-EJ-B	Expansion joint - Concrete slab foundation	FS-58	NA
176	84-EJ-C	Expansion joint - Concrete slab foundation	FS-47	NA
177	85-CM-A	Carpet mastic - green	FS-57	325 SF
178	85-CM-B	Carpet mastic - green	FS-57	NA
179	85-CM-C	Carpet mastic - green	FS-57	NA
—	86 - NOT SAMPLED	Transite window sill - ASSUMED	NA	20 SF
180	87-IC-A	Interior caulk - black, perimeter of alunimum window frames	FS-69	690 SF
181	87-IC-B	Interior caulk - black, perimeter of alunimum window frames	FS-77	NA
182	87-IC-C	Interior caulk - black, perimeter of alunimum window frames	FS-79	NA
183	88-FT-A	Floor tile - 12" wood pattern stick-on tile	FS-69	100 SF
184	88-FT-B	Floor tile - 12" wood pattern stick-on tile	FS-69	NA
185	88-FT-C	Floor tile - 12" wood pattern stick-on tile	FS-69	NA
186	89-WG-A	Window glaze - beige glaze on window interior	FS-71	6 Windows
187	89-WG-B	Window glaze - beige glaze on window interior	FS-72	NA
188	89-WG-C	Window glaze - beige glaze on window interior	FS-83	NA
189	90-EJ-A	Expansion joint - concrete foundation walls	EA-3	5 LF
190	90-EJ-B	Expansion joint - concrete foundation walls	EA-3	NA
191	90-EJ-C	Expansion joint - concrete foundation walls	EA-3	NA
192	91-EJ-A	Expansion joint - brick siding	EA-1	30 LF
193	91-EJ-B	Expansion joint - brick siding	EA-3	NA
194	91-EJ-C	Expansion joint - brick siding	EA-4	NA
195	92-EJ-A	Expansion joint - between building foundation and concrete walkway	EA-3	300 LF
196	92-EJ-B	Expansion joint - between building foundation and concrete walkway	EA-3	NA
197	92-EJ-C	Expansion joint - between building foundation and concrete walkway	EA-3	NA
198	93-CC-A	Concrete chip - exterior concrete	EA-1	1578 SF
199	93-CC-B	Concrete chip - exterior concrete	EA-2	NA
200	93-CC-C	Concrete chip - exterior concrete	EA-3	NA
201	94-WP-A	Water proofing - black spray-on, concrete foundation, mostly below grade	EA-3	715 SF
202	94-WP-B	Water proofing - black spray-on, concrete foundation, mostly below grade	EA-3	NA
203	94-WP-C	Water proofing - black spray-on, concrete foundation, mostly below grade	EA-3	NA
204	95-GBM-A	Glass block mortar/grout, grey, between glass block window tiles, and around perimter	EA-1	1050 SF
205	95-GBM-B	Glass block mortar/grout, grey, between glass block window tiles, and around perimter	EA-2	NA
206	95-GBM-C	Glass block mortar/grout, grey, between glass block window tiles, and around perimter	EA-3	NA

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207	96-EC-A	Exterior caulk - grey, perimeter of glass block windows	EA-1	465 LF
208	96-EC-B	Exterior caulk - grey, perimeter of glass block windows	EA-2	NA
209	96-EC-C	Exterior caulk - grey, perimeter of glass block windows	EA-3	NA
210	97-WG-A	Window glaze - multi-pane steel windows	EA-2	1042 LF
211	97-WG-B	Window glaze - multi-pane steel windows	EA-2	NA
212	97-WG-C	Window glaze - multi-pane steel windows	EA-3	NA
213	98-WG-A	Window glaze - basement steel windows	EA-3	375 LF
214	98-WG-B	Window glaze - basement steel windows	EA-3	NA
215	98-WG-C	Window glaze - basement steel windows	EA-3	NA
216	99-WG-A	Window glaze, grey, soft, perimeter of glass window in metal door	EA-1	1060 LF
217	99-WG-B	Window glaze, grey, soft, perimeter of glass window in metal door	EA-1	NA
218	99-WG-C	Window glaze, grey, soft, perimeter of glass window in metal door	EA-1	NA
219	100-EC-A	Exterior caulk - grey, perimeter of door frames	EA-1	70 EC
220	100-EC-B	Exterior caulk - grey, perimeter of door frames	EA-2	NA
221	100-EC-C	Exterior caulk - grey, perimeter of door frames	EA-3	NA
222	101-EC-A	Exterior caulk - black, perimeter of door frames	EA-1	45 LF
223	101-EC-B	Exterior caulk - black, perimeter of door frames	EA-1	NA
224	101-EC-C	Exterior caulk - black, perimeter of door frames	EA-1	NA
225	102-EC-A	Exterior caulk - grey, perimeter of steel multi-pane windows	EA-2	725 LF
226	102-EC-B	Exterior caulk - grey, perimeter of steel multi-pane windows	EA-2	NA
227	102-EC-C	Exterior caulk - grey, perimeter of steel multi-pane windows	EA-3	NA
228	103-EC-A	Exterior caulk - grey, perimeter of steel basement windows	EA-3	350 LF
229	103-EC-B	Exterior caulk - grey, perimeter of steel basement windows	EA-3	NA
230	103-EC-C	Exterior caulk - grey, perimeter of steel basement windows	EA-3	NA
231	104-EC-A	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	EA-1	530 LF
232	104-EC-B	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	EA-3	NA
233	104-EC-C	Exterior caulk - grey, soft, perimeter of aluminum window frames, and window sill	EA-4	NA
234	105-RM-A	Roofing materials - flat rubber membrane roof with vapor paper, and various tars	EA-5 (lower roof)	24300 SF
235	105-RM-B	Roofing materials - flat rubber membrane roof with vapor paper, and various tars	EA-5 (penthouse roof)	NA
236	105-RM-C	Roofing materials - flat rubber membrane roof with vapor paper, and various tars	EA-5 (Medium roof)	NA
237	105-RM-D	Roofing materials - flat rubber membrane roof with vapor paper, and various tars	EA-5 (upper roof)	NA
238	106-CC-A	Concrete chip - 16" concrete walking tiles	EA-5	135 SF
239	106-CC-B	Concrete chip - 16" concrete walking tiles	EA-5	NA
240	106-CC-C	Concrete chip - 16" concrete walking tiles	EA-5	NA
241	107-TC-A	Terracotta - capstone	EA-5	375 SF
242	107-TC-B	Terracotta - capstone	EA-5	NA
243	107-TC-C	Terracotta - capstone	EA-5	NA
244	108-EC-A	Exterior caulk - grey, between terracotta capstone	EA-5	190 LF
245	108-EC-B	Exterior caulk - grey, between terracotta capstone	EA-5	NA
246	108-EC-C	Exterior caulk - grey, between terracotta capstone	EA-5	NA
247	109-EC-A	Exterior caulk - black, flashing on parapet wall	EA-5	780 LF
248	109-EC-B	Exterior caulk - black, flashing on parapet wall	EA-5	NA
249	109-EC-C	Exterior caulk - black, flashing on parapet wall	EA-5	NA
250	110-EC-A	Exterior caulk - black, on penthouse brick flashing	EA-5	60 LF
251	110-EC-B	Exterior caulk - black, on penthouse brick flashing	EA-5	NA
252	110-EC-C	Exterior caulk - black, on penthouse brick flashing	EA-5	NA

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253	111-EC-A	Exterior caulk - dark grey, perimeter of metal door frame	EA-5	20 LF
254	111-EC-B	Exterior caulk - dark grey, perimeter of metal door frame	EA-5	NA
255	111-EC-C	Exterior caulk - dark grey, perimeter of metal door frame	EA-5	NA
256	112-EC-A	Exterior caulk - light grey, penthouse wall penetrations	EA-5	5 LF
257	112-EC-B	Exterior caulk - light grey, penthouse wall penetrations	EA-5	NA
258	112-EC-C	Exterior caulk - light grey, penthouse wall penetrations	EA-5	NA
259	113-EC-A	Exterior caulk - grey, soft, elastic, on metal pipe insulation	EA-5	25 LF
260	113-EC-B	Exterior caulk - grey, soft, elastic, on metal pipe insulation	EA-5	NA
261	113-EC-C	Exterior caulk - grey, soft, elastic, on metal pipe insulation	EA-5	NA
262	114-EC-A	Exterior caulk - white, soft elastic, on plastic pipe fittings	EA-5	15 LF
263	114-EC-B	Exterior caulk - white, soft elastic, on plastic pipe fittings	EA-5	NA
264	114-EC-C	Exterior caulk - white, soft elastic, on plastic pipe fittings	EA-5	NA
265	115-EC-A	Exterior caulk - grey, on roof penetrations, fencing base	EA-5	50 LF
266	115-EC-B	Exterior caulk - grey, on roof penetrations, fencing base	EA-5	NA
267	115-EC-C	Exterior caulk - grey, on roof penetrations, fencing base	EA-5	NA
268	116-EC-A	Exterior caulk - grey, seams of concrete capstone	EA-5	200 LF
269	116-EC-B	Exterior caulk - grey, seams of concrete capstone	EA-5	NA
270	116-EC-C	Exterior caulk - grey, seams of concrete capstone	EA-5	NA
271	117-EC-A	Exterior caulk - dark grey, under concrete capstone	EA-5	400 LF
272	117-EC-B	Exterior caulk - dark grey, under concrete capstone	EA-5	NA
273	117-EC-C	Exterior caulk - dark grey, under concrete capstone	EA-5	NA
274	118-EC-A	Exterior caulk - grey, hard, on seams of HVAC vents	EA-5	20 LF
275	118-EC-B	Exterior caulk - grey, hard, on seams of HVAC vents	EA-5	NA
276	118-EC-C	Exterior caulk - grey, hard, on seams of HVAC vents	EA-5	NA
277	119-EC-A	Exterior caulk - pink, hard, on seams of HVAC vents	EA-5	30 LF
278	119-EC-B	Exterior caulk - pink, hard, on seams of HVAC vents	EA-5	NA
279	119-EC-C	Exterior caulk - pink, hard, on seams of HVAC vents	EA-5	NA
280	120-EC-A	Exterior caulk - white, on angle iron above window frame	EA-5	5 LF
281	120-EC-B	Exterior caulk - white, on angle iron above window frame	EA-5	NA
282	120-EC-C	Exterior caulk - white, on angle iron above window frame	EA-5	NA
283	121-EC-A	Exterior caulk - grey, on wall vent perimeter	EA-5	35 LF
284	121-EC-B	Exterior caulk - grey, on wall vent perimeter	EA-5	NA
285	121-EC-C	Exterior caulk - grey, on wall vent perimeter	EA-5	NA
286	122-EC-A	Exterior caulk - black, on parapet wall seams	EA-5	800 SF
287	122-EC-B	Exterior caulk - black, on parapet wall seams	EA-5	NA
288	122-EC-C	Exterior caulk - black, on parapet wall seams	EA-5	NA
—	END OF COC	END OF COC	NA	NA

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REVISED REPORT

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ETL Job: 276872
Client Project: 188BS24700

Attention: Jennifer Fashbaugh
Project Location: 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

Lab Sample Number	Client Sample Number	Sample Type	Completed
1761970	24-CI-D1	Asbestos	03/03/2025
1761971	24-CI-D2	Asbestos	03/03/2025
1761972	24-CI-D3	Asbestos	03/03/2025
1761973	123-CI-A	Asbestos	03/03/2025
1761974	123-CI-B	Asbestos	03/03/2025
1761975	123-CI-C	Asbestos	03/03/2025
1761976	123-CI-D	Asbestos	03/03/2025
1761977	123-CI-E	Asbestos	03/03/2025
1761978	123-CI-F	Asbestos	03/03/2025
1761979	123-CI-G	Asbestos	03/03/2025
1761980	124-CI-A	Asbestos	03/03/2025
1761981	124-CI-B	Asbestos	03/03/2025
1761982	124-CI-C	Asbestos	03/03/2025
1761983	124-CI-D	Asbestos	03/03/2025
1761984	124-CI-E	Asbestos	03/04/2025

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Lab Sample Number	Client Sample Number	Sample Type	Completed

Reviewed by:

Dawson Bradley

Summary

Method	Sample	Layer	Mastic
PLM	29		

Revision History

Revised Date	Revised By	Revision Comment
03/04/2025	Dawson Bradley	Analyzed A Positive Stopped Layer As Requested By The Client
03/04/2025	James Farinas	QC Change

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NVLAP LAB CODE 201028-0

Certificate of Analysis

Environmental Testing Laboratories, Inc.
37575 W Huron River Drive
Romulus, Michigan 48174
(734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 276872
Client Project : 188BS24700
Date Collected : 02/26/2025
Date Received : 02/28/2025

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1761970 24-CI-D1	Paper	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761971 24-CI-D2	Cork	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761972 24-CI-D3	Adhesive	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761973 123-CI-A	Cork	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761973 123-CI-A	Cork Adhesive	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025 With Cementitious Material					

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To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 276872
Client Project : 188BS24700
Date Collected : 02/26/2025
Date Received : 02/28/2025

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1761974 123-CI-B	Cork	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761974 123-CI-B	Cork Adhesive	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025 With Cementitious Material					
1761975 123-CI-C	Cork	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761975 123-CI-C	Cork Adhesive	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025 With Cementitious Material					
1761976 123-CI-D	Cork	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761976 123-CI-D	Cork Adhesive	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025 With Cementitious Material					

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Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 276872
Client Project : 188BS24700
Date Collected : 02/26/2025
Date Received : 02/28/2025

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1761977 123-CI-E	Cork	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761977 123-CI-E	Cork Adhesive	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025 With Cementitious Material					
1761978 123-CI-F	Cork	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761978 123-CI-F	Cork Adhesive	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025 With Cementitious Material					
1761979 123-CI-G	Cork	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761979 123-CI-G	Cork Adhesive	Gray Non-Fibrous Non-Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025 With Cementitious Material					

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To : Atlas - Novi
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Novi,Michigan 48377

Location : 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 276872
Client Project : 188BS24700
Date Collected : 02/26/2025
Date Received : 02/28/2025

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1761980 124-CI-A	Cork Insulation	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761980 124-CI-A	Asphaltic Material	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761981 124-CI-B	Cork Insulation	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761981 124-CI-B	Asphaltic Material	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761981 124-CI-B	Cementitious Material	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Ben Jones Date Analyzed : 03/03/2025					

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To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 276872
Client Project : 188BS24700
Date Collected : 02/26/2025
Date Received : 02/28/2025

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1761982 124-CI-C		Layer Missing			
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025 Layer Not Analyzed					
1761982 124-CI-C	Asphaltic Material	Black Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761982 124-CI-C		Layer Missing			
Layer-3 Analyst: Ben Jones Date Analyzed : 03/03/2025 Layer Not Analyzed					

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46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 276872
Client Project : 188BS24700
Date Collected : 02/26/2025
Date Received : 02/28/2025

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1761983 124-CI-D	Cork Insulation	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-1 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761983 124-CI-D	Asphaltic Material	Brown Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-2 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761983 124-CI-D	Cementitious Material	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: Ben Jones Date Analyzed : 03/03/2025					
1761983 124-CI-D	Asphaltic Material	Brown Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 95% Other	PLM 4% Chrysotile
Layer-4 Analyst: Ben Jones Date Analyzed : 03/03/2025					

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Certificate of Analysis

Polarized Light Microscopy Asbestos Analysis Report

To : Atlas - Novi
46555 Humboldt Dr. Suite 100
Novi,Michigan 48377

Location : 570 Red Cedar Road, East Lansing, MI 48823
MSU Central Services Building

ETL Job : 276872
Client Project : 188BS24700
Date Collected : 02/26/2025
Date Received : 02/28/2025

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1761984 124-CI-E		Layer Missing			
Layer-1 Analyst: James Farinas Date Analyzed : 03/04/2025					
Layer Not Analyzed					
1761984 124-CI-E		Layer Missing			
Layer-2 Analyst: James Farinas Date Analyzed : 03/04/2025					
Layer Not Analyzed					
1761984 124-CI-E	Cementitious Material	Gray Non-Fibrous Homogenous	PLM Trace Cellulose	PLM 100% Other	PLM None Detected
Layer-3 Analyst: James Farinas Date Analyzed : 03/04/2025					
1761984 124-CI-E	Asphaltic Material	Black Non-Fibrous Homogenous		PLM 96% Other	PLM 4% Chrysotile
Layer-4 Analyst: James Farinas Date Analyzed : 03/04/2025					

Emily Schroder

Lab Supervisor/Other Signatory

Analyst:

Ben Jones

Ben Jones

James Farinas

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC")
Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples
Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples
EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials
EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples
A % Asbestos result of "Trace" indicates that the analyzed material was found to contain less than 1% asbestos and would not be considered an Asbestos Containing Material (ACM).

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ENVIRONMENTAL TESTING LABORATORIES, INC
38900 Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 992-2261
www.2etl.com

Bulk Asbestos Chain of Custody

ETL Project #: 276872

Client:	Atlas Technical Consultants	**Contact:** Jennifer Fashbaugh	**Project Location/name:** 570 Red Cedar Road, East Lansing, Michigan 48823 / MSU Central Services Building
		Phone: 248-669-5140	
Address:	46555 Humboldt Dr. Ste. 100 Novi, MI 48377	**Fax:** 248-669-5147	
		E-mail: jennifer.fashbaugh@oneatlas.com	**Client Project #:** 188BS24700
Please Provide Results: X Email ☐ Fax ☐ Verbal ☐ Other _____			**Date Sampled:** 2/26/2025

Turnaround Time (TAT): ☐ RUSH ☐ Same Day X 24 hr ☐ 48 hr ☐ Standard (3-5 days) **Other** _____

PLM Instructions (Check all that apply)	
X PLM EPA600/R-93/116, 1993 (Standard method)	☐ Stop First Positive
Point Counting: X 400 Points* ☐ NYSDOH ELAP 198.1, 2002*	*Clearly mark Homogenous Group*
☐ Gravimetric Reduction* ☐ NYSDOH ELAP 198.6, 2010*	
☐ PLM Non-Building Material (Dust, Wipe, Tape)	☐ Soil or Vermiculite Analysis*

** Additional charge and turnaround may be required*

1760

Lab ID	Sample ID	Material Description	Sample Location	Quantity
976	24-CI-D1	Cork insulation - black paper layer (surface layer)	FS-7	
971	24-CI-D2	Cork insulation - cork (middle layer)	FS-7	
972	24-CI-D3	Cork insulation - adhesive on concrete (bottom layer)	FS-7	
973	123-CI-A	Cork insulation - remnants (cork & cork adhesive on concrete)	FS-41	
974	123-CI-B	Cork insulation - remnants (cork & cork adhesive on concrete)	FS-42	
975	123-CI-C	Cork insulation - remnants (cork & cork adhesive on concrete)	FS-11	
976	123-CI-D	Cork insulation - remnants (cork & cork adhesive on concrete)	FS-12	
977	123-CI-E	Cork insulation - remnants (cork & cork adhesive on concrete)	FS-13	
978	123-CI-F	Cork insulation - remnants (cork & cork adhesive on concrete)	FS-31	
979	123-CI-G	Cork insulation - remnants (cork & cork adhesive on concrete)	FS-33	
980	124-CI-A	Cork insulation - insulation above interior walls, remnants	FS-11	

		Date	Time
Relinquished (Name/Organization):	Andrew DeLodder / Atlas Technical Consultants AF	2/27/25	1630 am/pm
Received (Name/ETL):		2/28/25	9:00 am/pm
Sample Login (Name/ETL):		2/28/25	9:10 am/pm
Stereoscopical/Sample Analysis (Name/ETL)			am/pm
Results (Name/ETL):			am/pm
QA/QC Review (Name/ETL):		3/3/25	4 am/pm

Special Instructions:•
- **Composite all drywall/joint compound samples if any layer of system is greater than 1% asbestos;**
- **Point Count ALL PLASTER samples Trace to 3% asbestos content**
- **Point Count ALL SAMPLES Trace to 1% asbestos content**

Remarks

****IN ORDER TO ENSURE RESULTS BY SPECIFIED TAT, THE LAB MUST BE EMAILED/CALLED WITH THE QUANTITY OF SAMPLES TO BE SHIPPED OR DROPPED OFF**

ENVIRONMENTAL TESTING LABORATORIES, INC
38900 Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 992-2261
www.2etl.com

Bulk Asbestos
Chain of Custody

ETL Project #: 276872

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Lab ID	Sample ID	Material Description	Sample Location	QUANTITY
981	124-CI-B	Cork insulation - insulation above interior walls, remnants	FS-12	
982	124-CI-C	Cork insulation - insulation above interior walls, remnants	FS-13	
983	124-CI-D	Cork insulation - insulation above interior walls, remnants	FS-31	
984	124-CI-E	Cork insulation - insulation above interior walls, remnants	FS-30	
—	END OF COC	END OF COC	NA	NA

QUANTUM LABORATORIES, INC.
28221 Beck Road • Suite A-11
Wixom, Michigan 48393
248-348-TEST or 248-348-8378

ANALYTICAL REPORT

For: Atlas Technical Consultants (ATLAS)
46555 Humboldt Dr. Ste. 100
Novi MI 48377

Attn: Ms. Jennifer Fashbaugh

Report Number: **13973**
Report Date: January 13, 2025
Project Name: MSU Central Services
Project Number: 188BS24700

248-669-5140 Fax: 248-669-5147

Sample Description

Five (5) samples reported to be a Mix and identified as “MSU Central Services”, 12/06/24, Composite Grab and:

1. EC-PCB
2. EC-PCB
3. WG-PCB
4. IC-PCB
5. MA-PCB

Analysis Requested

Chemical Analysis per SW-846 (SW) for Polychlorinated Biphenyls (PCB), Method 8082A

Analytical Results

Sample Description:	1-EC-PCB, 12/06/24					
Laboratory ID:	13973-1	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PCB's						
Aroclor 1016	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1221	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1232	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1242	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1248	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1254	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1260	Not Detected	1,000	µg/Kg	01/08/25	DS	
Polychlorinated biphenyls (Total)	Not Detected	7,000	µg/Kg	01/08/25	DS	
Surrogate Standards						
Tetrachloro-m-xylene	98.6%	-	% Recovery	01/08/25	DS	
Decachlorobiphenyl	71.4%	-	% Recovery	01/08/25	DS	
Analysis Information						
PCB Extraction	Completed	-	-	12/26/24	LB	

Sample Description:	2-EC-PCB, 12/06/24					
Laboratory ID:	13973-2	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PCB's						
Aroclor 1016	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1221	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1232	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1242	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1248	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1254	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1260	Not Detected	1,000	µg/Kg	01/08/25	DS	
Polychlorinated biphenyls (Total)	Not Detected	7,000	µg/Kg	01/08/25	DS	
Surrogate Standards						
Tetrachloro-m-xylene	74.0%	-	% Recovery	01/08/25	DS	
Decachlorobiphenyl	67.6%	-	% Recovery	01/08/25	DS	
Analysis Information						
PCB Extraction	Completed	-	-	12/26/24	LB	

Data Qualifiers:
I Internal Standard results outside of acceptance limits
S QC spike recovery outside of acceptance limits
R RPD outside of acceptance limits
E Reporting limit is elevated
D Result is from a dilution
J Result should be considered estimated
M Matrix interference observed
F Matrix Spike four times rule applied
C See Case Narrative

Sample Description:	3-WG-PCB, 12/06/24					
Laboratory ID:	13973-3	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PCB's						
Aroclor 1016	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1221	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1232	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1242	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1248	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1254	Not Detected	1,000	µg/Kg	01/08/25	DS	
Aroclor 1260	7,910	1,000	µg/Kg	01/08/25	DS	
Polychlorinated biphenyls (Total)	7,910	7,000	µg/Kg	01/08/25	DS	
Surrogate Standards						
Tetrachloro-m-xylene	67.9%	-	% Recovery	01/08/25	DS	
Decachlorobiphenyl	67.8%	-	% Recovery	01/08/25	DS	
Analysis Information						
PCB Extraction	Completed	-	-	12/26/24	LB	

Sample Description:	4-IC-PCB, 12/06/24					
Laboratory ID:	13973-4	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PCB's						
Aroclor 1016	Not Detected	24,000	µg/Kg	01/08/25	DS	E, M
Aroclor 1221	Not Detected	24,000	µg/Kg	01/08/25	DS	E, M
Aroclor 1232	Not Detected	24,000	µg/Kg	01/08/25	DS	E, M
Aroclor 1242	Not Detected	24,000	µg/Kg	01/08/25	DS	E, M
Aroclor 1248	Not Detected	24,000	µg/Kg	01/08/25	DS	E, M
Aroclor 1254	Not Detected	24,000	µg/Kg	01/08/25	DS	E, M
Aroclor 1260	Not Detected	24,000	µg/Kg	01/08/25	DS	E, M
Polychlorinated biphenyls (Total)	Not Detected	168,000	µg/Kg	01/08/25	DS	E, M
Surrogate Standards						
Tetrachloro-m-xylene	75.5%	-	% Recovery	01/08/25	DS	
Decachlorobiphenyl	63.2%	-	% Recovery	01/08/25	DS	
Analysis Information						
PCB Extraction	Completed	-	-	12/26/24	LB	

Data Qualifiers:
I Internal Standard results outside of acceptance limits
S QC spike recovery outside of acceptance limits
R RPD outside of acceptance limits
E Reporting limit is elevated
D Result is from a dilution
J Result should be considered estimated
M Matrix interference observed
F Matrix Spike four times rule applied
C See Case Narrative

Sample Description:	5-MA-PCB, 12/06/24					
Laboratory ID:	13973-5	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PCB's						
Aroclor 1016	Not Detected	2,500	µg/Kg	01/08/25	DS	E, M
Aroclor 1221	Not Detected	2,500	µg/Kg	01/08/25	DS	E, M
Aroclor 1232	Not Detected	2,500	µg/Kg	01/08/25	DS	E, M
Aroclor 1242	Not Detected	2,500	µg/Kg	01/08/25	DS	E, M
Aroclor 1248	Not Detected	2,500	µg/Kg	01/08/25	DS	E, M
Aroclor 1254	Not Detected	2,500	µg/Kg	01/08/25	DS	E, M
Aroclor 1260	Not Detected	2,500	µg/Kg	01/08/25	DS	E, M
Polychlorinated biphenyls (Total)	Not Detected	17,500	µg/Kg	01/08/25	DS	E, M
Surrogate Standards						
Tetrachloro-m-xylene	65.4%	-	% Recovery	01/08/25	DS	
Decachlorobiphenyl	67.5%	-	% Recovery	01/08/25	DS	
Analysis Information						
PCB Extraction	Completed	-	-	12/26/24	LB	

Quality Control

PCB Matrix Spike Data

Spiked Sample: 13973 LCS		Matrix: Solid		Units: ppm in extract				
Parameter	Sample Result	Spike Added	MS Result	MSD Result	MS % Rec.	MSD % Rec.	RPD	Data Qualifiers
Aroclor 1260	0.000	0.250	0.292	0.276	117	110	5.5	

Case Narrative

All method protocols and quality control requirements were satisfied for all samples.

Notes

(1) Quality Control Limits available upon request.

(2) Results are applicable only to the sample tested.

(3) All samples will be discarded after 30 days unless the laboratory receives other instructions.

(4) Chain of Custody document attached.

QUANTUM LABORATORIES, INC.

David W. Starr
Analytical Chemistry Manager

Data Qualifiers:
I Internal Standard results outside of acceptance limits
S QC spike recovery outside of acceptance limits
R RPD outside of acceptance limits
E Reporting limit is elevated
D Result is from a dilution
J Result should be considered estimated
M Matrix interference observed
F Matrix Spike four times rule applied
C See Case Narrative

Quantum Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Women's Business Enterprise National Council
WBENC
Cert. No. 2005111505

QUANTUM LABORATORIES, INC.
28221 Beck Road I Suite A-11
Wixom, MI 48393
248-348-TEST or 248-348-8378

CLIENT INFO	
COMPANY	Atlas Technical Consultants
ADDRESS	46555 Humbolt Drive, Suite 100
CITY, STATE, ZIP	Novi, Michigan 48377
TELEPHONE	248-669-5147
FAX	
CONTACT	Jennifer Fashbaugh
ADDITIONAL PHONE	
EMAIL ADDRESS	Jennifer.Fashbaugh@OneAtlas.com

PROJECT INFO	
REPORT NO. (LAB USE)	13973 Page 1 of 1
P.O. NUMBER	
PROJECT NUMBER	188BS24700
PROJECT NAME	MSU Central Services
SAMPLING LOCATION	
SAMPLES COLLECTED BY	Andrew DeLodder
TURN AROUND TIME	☑ Standard ☐ Rush ☐ By Date:
SPECIAL INSTRUCTIONS	

* SAMPLE TYPE: S=Soil, W=Water, D=Drinking Water, O=Oil/Organic, M=Mixed, V=Vapor, A=Air U=Unknown or Other

** GRAB/COMP: G=Grab Sample, C=Composite Sample

ANALYSIS REQUESTED

LINE NO.	LAB USE	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TIME SAMPLED	DATE SAMPLED	SAMPLE TYPE *	GRAB / COMP **	SW-846-8082										REMARKS / PRESERVATIVES
1		1-EC-PCB	1		12/06/2024	MC	C	X										
2		2-EC-PCB	1		12/06/2024	MC	C	X										
3		3-WG-PCB	1		12/06/2024	MC	C	X										
4		4-IC-PCB	1		12/06/2024	MC	C	X										
5		5-MA-PCB	1		12/06/2024	MC	C	X										
6																		
7																		
8																		
9																		
10																		

XFER	RELINQUISHED BY	TIME / DATE	ACCEPTED BY
1	Andrew DeLodder	12/18/2024	
2	Fed Ex	11:00am 12/19/24	
3			

SAMPLE RECEIVED
☐ Wet Ice
☐ Blue Ice

Distribution: White - Lab Copy Yellow - Client Report Pink - Sampler

APPENDIX IV
QUALITY ASSURANCE DOCUMENTATION

MICHIGAN DEPARTMENT OF
LABOR AND ECONOMIC OPPORTUNITY

(http://michigan.gov/miosha)

Individual Profile for DELODDER, ANDREW H.

Name and Address

Name

DELODDER, ANDREW H.

Address

5869 LAKE MICHIGAN DRIVE
ALLENDALE, MI 49401

License Information

Accreditation Type: Inspector

ID#: A48677

Status: Apprvd - Full

Expiration Date: 1/30/2025

Training Expiration Date: 11/8/2025

* Although this license may have been renewed, the new expiration date will not appear until the current one expires. Should you have questions, please call the Asbestos Program at 517-284-7680.

New Search (/Individual/IndividualSearch)

Back to Top MI.gov (http://www.michigan.gov) Asbestos Program - Verify and Search (/)

Asbestos Program (https://www.michigan.gov/asbestos) Policies (http://www.michigan.gov/policies)

MICHIGAN DEPARTMENT OF
LABOR AND ECONOMIC OPPORTUNITY

(http://michigan.gov/miosha)

Individual Profile for FASHBAUGH, JENNIFER M.

Name and Address

Name

FASHBAUGH, JENNIFER M.

Address

28312 RIDGEBROOK
FARMINGTON HILLS, MI 48334

License Information

Accreditation Type: Contractor/Supervisor

ID#: A31482

Status: Apprvd - Full

Expiration Date: 5/16/2025

Training Expiration Date: 11/1/2025

Accreditation Type: Inspector

ID#: A31482

Status: Apprvd - Full

Expiration Date: 4/15/2025

Training Expiration Date: 11/8/2025

Accreditation Type: Management Planner

ID#: A31482

Status: Apprvd - Full

Expiration Date: 4/15/2025

Training Expiration Date: 2/6/2026

Accreditation Type: Project Designer

ID#: A31482

Status: Apprvd - Full

Expiration Date: 4/15/2025

Training Expiration Date: 1/16/2026

* Although this license may have been renewed, the new expiration date will not appear until the current one expires. Should you have questions, please call the Asbestos Program at 517-284-7680.

New Search (/Individual/IndividualSearch)

Back to Top MI.gov (http://www.michigan.gov) Asbestos Program - Verify and Search (/)

Asbestos Program (https://www.michigan.gov/asbestos) Policies (http://www.michigan.gov/policies)

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 201028-0

Environmental Testing Laboratories, Inc.

Romulus, MI

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).

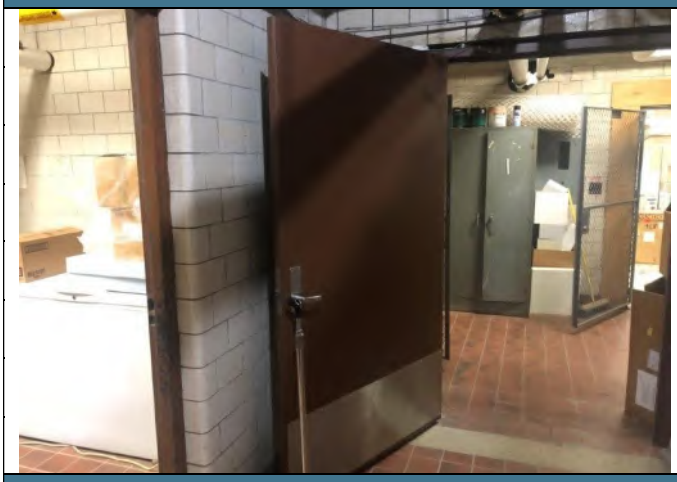
2024-04-01 through 2025-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

APPENDIX V
PHOTOGRAPHS

Photograph #1

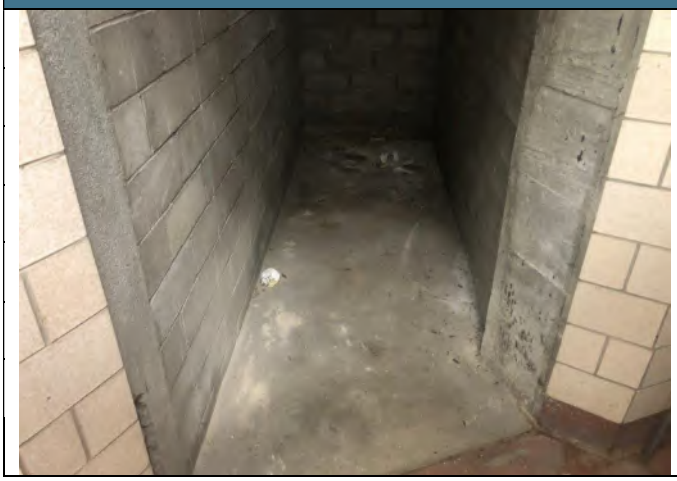


Homogenous Material Description
HA-1: Metal fire door & frame
Asbestos Present (Yes/No/Assumed)
Assumed
Total Quantity Present
97 Doors
Additional Notes

Photograph #2

Homogenous Material Description
HA-2: Wood fire door & frame
Asbestos Present (Yes/No/Assumed)
Assumed
Total Quantity Present
19 Doors
Additional Notes

Photograph #3



Homogenous Material Description
HA-3: Concrete foundation / deck
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
69470 SF
Additional Notes

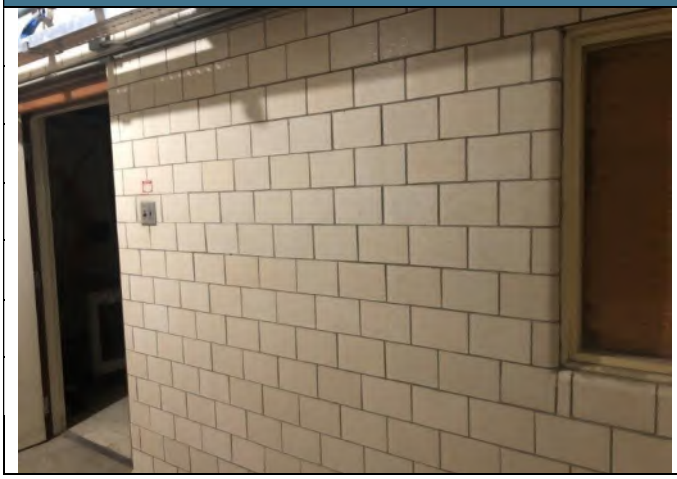
Photograph #4

Homogenous Material Description
HA-4: Terrazzo flooring
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
3122 SF
Additional Notes

Photograph #5

Homogenous Material Description
HA-5: CMU block mortar
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
40405 SF
Additional Notes

Photograph #6



Homogenous Material Description
HA-6: Grey glazed ceramic block mortar
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
33190 SF
Additional Notes

Photograph #7

Homogenous Material Description
HA-7: Skim coat on CMU block
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
341 SF
Additional Notes

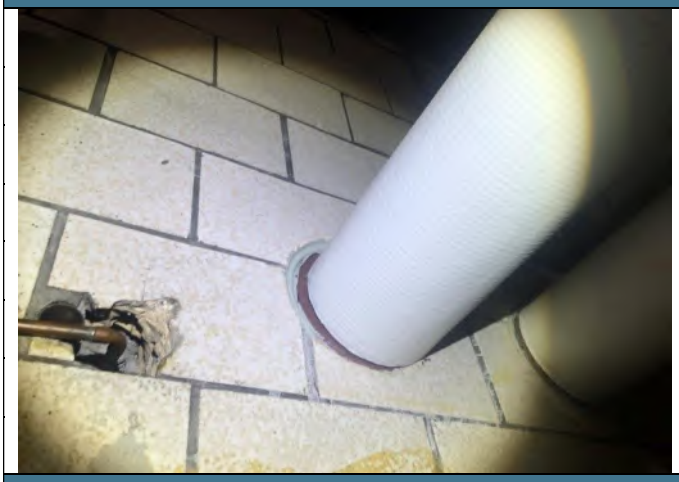
Photograph #8

Homogenous Material Description
HA-8: Red ceramic floor tile, grout, mortar
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
28014 SF
Additional Notes

Photograph #9

Homogenous Material Description
HA-9: Red penetration caulk
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
225 LF
Additional Notes

Photograph #10



Homogenous Material Description
HA-10: Grey penetration caulk
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
57 LF
Additional Notes

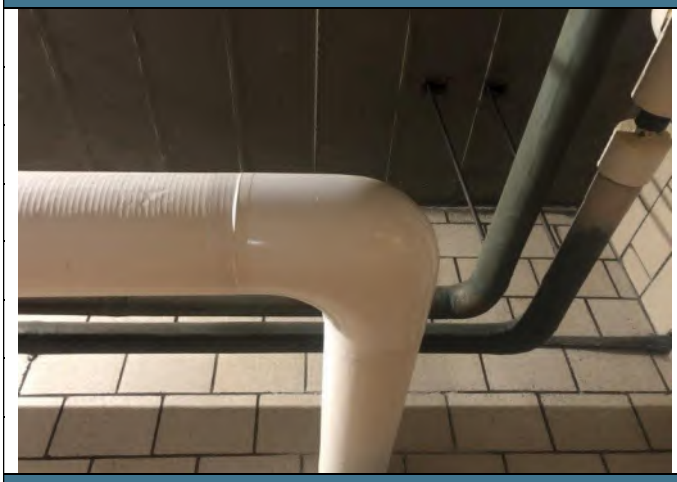
Photograph #11

Homogenous Material Description
HA-11: Dark brown caulk on door frames
Asbestos Present (Yes/No/Assumed)
Yes, 2% Chrysotile
Total Quantity Present
880 LF
Additional Notes

Photograph #12

Homogenous Material Description
HA-12: White paper wrapped fiberglass pipe insulation
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
3410 LF
Additional Notes

Photograph #13

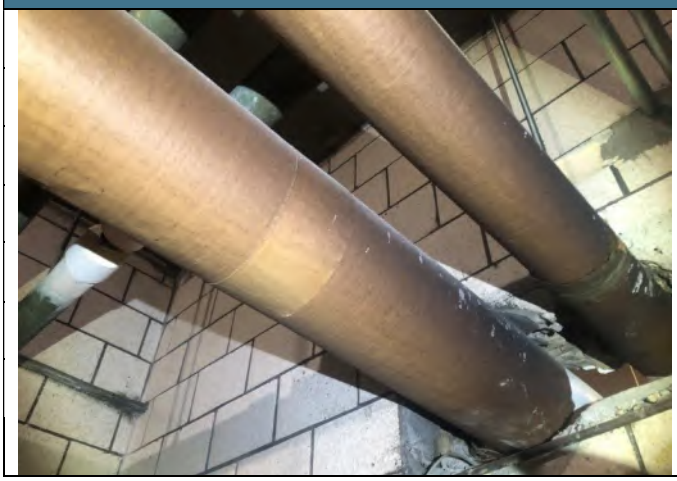


Homogenous Material Description
HA-13: Plastic covered fiberglass pipe fitting
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1456 Fittings
Additional Notes

Photograph #14

Homogenous Material Description
HA-14: White caulk on HA-12
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
145 SF
Additional Notes

Photograph #15



Homogenous Material Description
HA-15: Brown paper wrapped pipe insulation
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1830 LF
Additional Notes

Photograph #16

Homogenous Material Description
HA-16: Canvas covered pipe fittings, brown paper wrapped pipe insulation lines
Asbestos Present (Yes/No/Assumed)
Yes, 30% Chrysotile
Total Quantity Present
283 Fittings
Additional Notes

Photograph #17

Homogenous Material Description
HA-17: Hanger mud
Asbestos Present (Yes/No/Assumed)
Yes, 50% Chrysotile
Total Quantity Present
78 Fittings
Additional Notes

Photograph #18

Homogenous Material Description
HA-18: Wool felt pipe insulation
Asbestos Present (Yes/No/Assumed)
Yes, 35% Chrysotile
Total Quantity Present
875 LF
Additional Notes

Photograph #19

Homogenous Material Description
HA-19: Canvas covered mudded fittings on wool felt pipe insulation lines
Asbestos Present (Yes/No/Assumed)
Yes, 50% Chrysotile
Total Quantity Present
159 Fittings
Additional Notes

Photograph #20

Homogenous Material Description
HA-20: Aircell pipe insulation
Asbestos Present (Yes/No/Assumed)
Yes, 45% Chrysotile
Total Quantity Present
468 LF
Additional Notes

Photograph #21

Homogenous Material Description
HA-21: Canvas covered mudded fittings, on aircell pipe insulation lines
Asbestos Present (Yes/No/Assumed)
Yes, 45% Chrysotile
Total Quantity Present
93 Fittings
Additional Notes

Photograph #22

Homogenous Material Description
HA-22: Cork pipe insulation
Asbestos Present (Yes/No/Assumed)
Cork No, Mag Layer Assumed
Total Quantity Present
11 LF
Additional Notes
Per MSU, mag layer may be hidden under cork

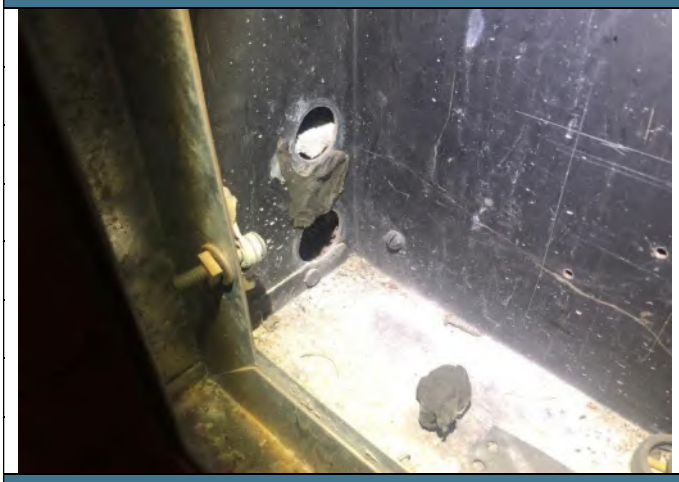
Photograph #23

Homogenous Material Description
HA-23: Cork insulation – wall insulation
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
15645 SF
Additional Notes

Photograph #24

Homogenous Material Description
HA-24: Remnants of original cork ceiling insulation with outer black paper layer adhered to concrete ceiling (assoc. with HA-32)
Asbestos Present (Yes/No/Assumed)
Yes, 2% Chrysotile
Total Quantity Present
50 SF
Additional Notes
Basement Mechanical Room. Associated with HA-32.

Photograph #25

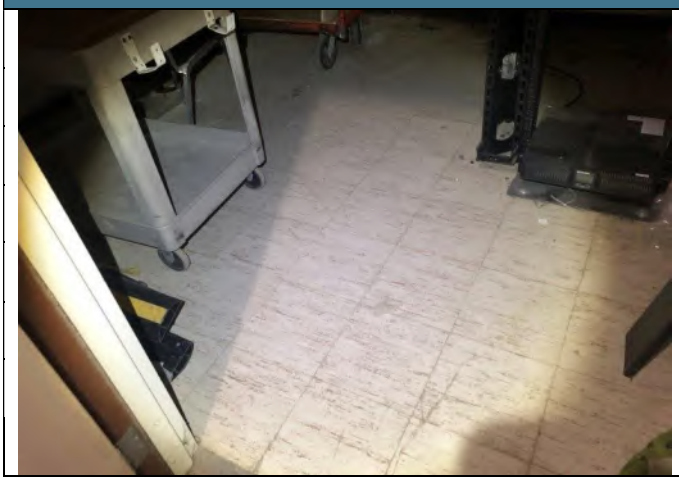


Homogenous Material Description
HA-25: Green caulk in electrical box
Asbestos Present (Yes/No/Assumed)
Yes, 10% Chrysotile
Total Quantity Present
10 LF
Additional Notes

Photograph #26

Homogenous Material Description
HA-26: Pipe insulation – horse hair
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
5 LF
Additional Notes

Photograph #27



Homogenous Material Description
HA-27: 12” beige floor tile, red streaks, mastic
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
100 SF
Additional Notes

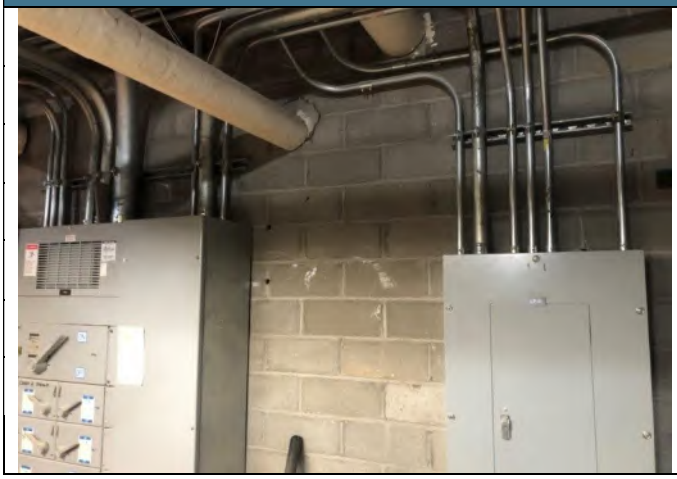
Photograph #28

Homogenous Material Description
HA-28: 4” brown cove base, adhesive
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
40 LF
Additional Notes

Photograph #29

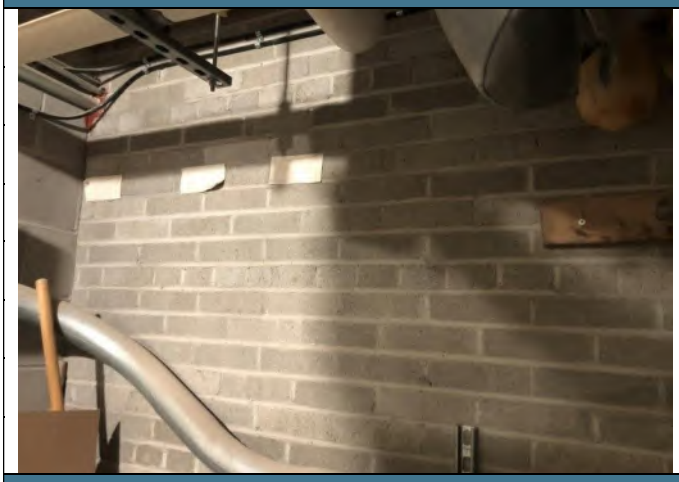
Homogenous Material Description
HA-29: Ceiling panel – pinhole/fissure
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
7480 SF
Additional Notes

Photograph #30



Homogenous Material Description
HA-30: Brick mortar – 12”x4” concrete brick
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
2350 SF
Additional Notes

Photograph #31



Homogenous Material Description
HA-31: Brick mortar – 2”x6” concrete bricks
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
200 SF
Additional Notes

Photograph #32

Homogenous Material Description
HA-32: Interior caulk (tar), black, perimeter of cork insulation (associated with HA-24)
Asbestos Present (Yes/No/Assumed)
Yes, 3% Chrysotile
Total Quantity Present
160 LF
Additional Notes
Associated with HA-24

Photograph #33

Homogenous Material Description
HA-33: Window glaze - grey
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1 Window
Additional Notes

Photograph #34

Homogenous Material Description
HA-34: Tank insulation
Asbestos Present (Yes/No/Assumed)
Yes, 30% Chrysotile
Total Quantity Present
1 Tank
Additional Notes

Photograph #35

Homogenous Material Description
HA-35: Black window glaze
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
2 Windows
Additional Notes

Photograph #36

Homogenous Material Description
HA-36: 12” brown mottle
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
4 boxes
Additional Notes

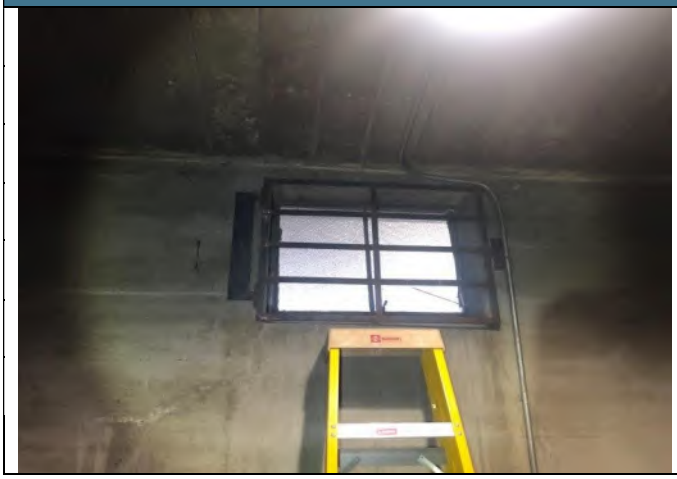
Photograph #37

Homogenous Material Description
HA-37: 12” white with black streaks floor tile
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
6 Boxes
Additional Notes

Photograph #38

Homogenous Material Description
HA-38: Window glaze, stack
Asbestos Present (Yes/No/Assumed)
Yes, 3% Chrysotile
Total Quantity Present
1 Window
Additional Notes

Photograph #39



Homogenous Material Description
HA-39: Soft grey window glaze
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1 Window
Additional Notes

Photograph #40

Homogenous Material Description
HA-40: Wallboard system
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
2535 SF
Additional Notes

Photograph #41

Homogenous Material Description
HA-41: 4” black cove base, adhesive
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1315 LF
Additional Notes

Photograph #42

Homogenous Material Description
HA-42: Glue pod, brown
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
285 SF
Additional Notes

Photograph #43

Homogenous Material Description
HA-43: Textured plaster - walls
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
4470 SF
Additional Notes

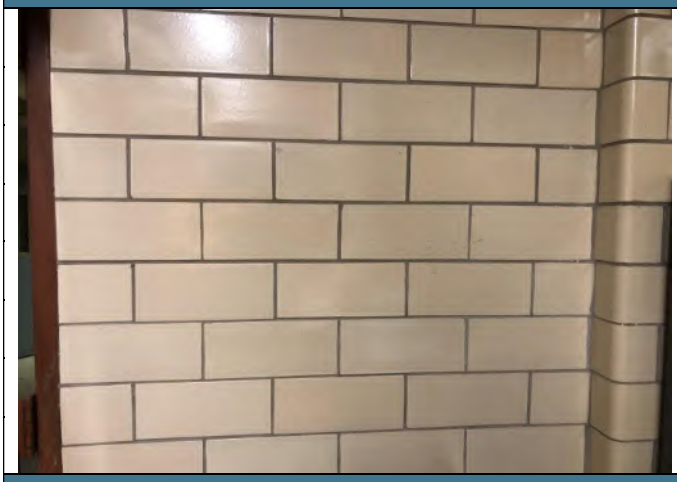
Photograph #44

Homogenous Material Description
HA-44: Magnesia pipe insulation
Asbestos Present (Yes/No/Assumed)
Yes, 30% Chrysotile
Total Quantity Present
985 LF
Additional Notes

Photograph #45

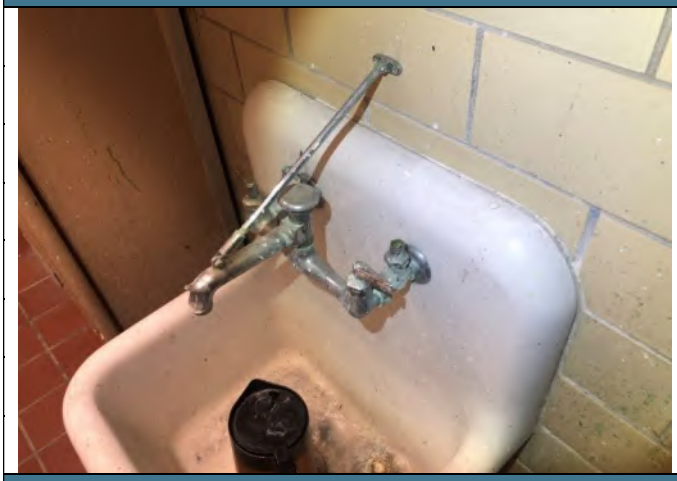
Homogenous Material Description
HA-45: Canvas covered mudded fittings, on magnesia pipe insulation lines
Asbestos Present (Yes/No/Assumed)
Yes, 30% Chrysotile
Total Quantity Present
200 LF
Additional Notes

Photograph #46



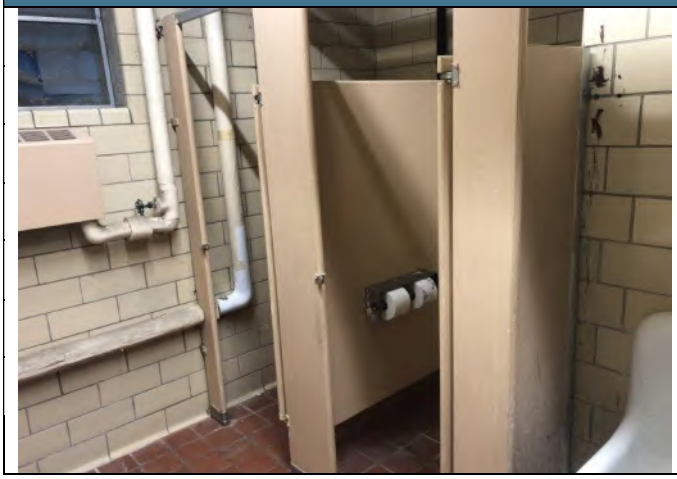
Homogenous Material Description
HA-46: Beige ceramic block mortar
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
11475 SF
Additional Notes

Photograph #47



Homogenous Material Description
HA-47: White caulk on restroom fixtures
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
35 LF
Additional Notes

Photograph #48



Homogenous Material Description
HA-48: Bathroom partition insulation, paper
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
95 SF
Additional Notes

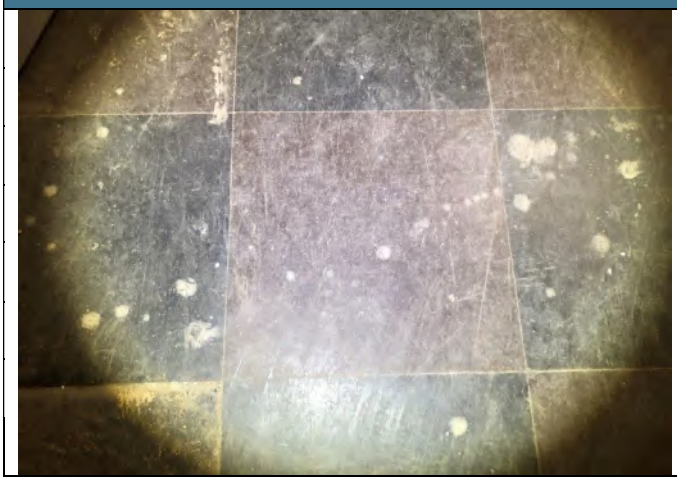
Photograph #49

Homogenous Material Description
HA-49: Window glaze – beige, in door windows
Asbestos Present (Yes/No/Assumed)
Point Count: Trace Chrysotile
Total Quantity Present
11 Windows
Additional Notes

Photograph #50

Homogenous Material Description
HA-50: 9” black floor tile, black mastic
Asbestos Present (Yes/No/Assumed)
Yes, FT: 2% Chrysotile Mastic: ND
Total Quantity Present
210 SF
Additional Notes

Photograph #51



Homogenous Material Description
HA-51: 9” dark brown tile, black mastic
Asbestos Present (Yes/No/Assumed)
Yes, FT: 2% Chrysotile Mastic: ND
Total Quantity Present
210 SF
Additional Notes

Photograph #52

Homogenous Material Description
HA-52: 9” grey floor tile, black mastic
Asbestos Present (Yes/No/Assumed)
Yes, FT: 7% Chrysotile Mastic: ND
Total Quantity Present
210 SF
Additional Notes

Photograph #53

Homogenous Material Description
HA-53: rough texture ceiling panel
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
45 SF
Additional Notes

Photograph #54

Homogenous Material Description
HA-54: Metal covered ceiling panel
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
10 SF
Additional Notes

Photograph #55

Homogenous Material Description
HA-55: vinyl covered wallboard ceiling panel
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
956 SF
Additional Notes

Photograph #56

Homogenous Material Description
HA-56: Waterproofing spray-on
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1360 SF
Additional Notes

Photograph #57

Homogenous Material Description
HA-57: Gasket material – steel pipes
Asbestos Present (Yes/No/Assumed)
Yes, 10% Chrysotile
Total Quantity Present
44 Gaskets
Additional Notes

Photograph #58

Homogenous Material Description
HA-58: Number not used
Asbestos Present (Yes/No/Assumed)
Total Quantity Present
Additional Notes

Photograph #59

Homogenous Material Description
HA-59: Tank insulation
Asbestos Present (Yes/No/Assumed)
Yes, 30% Chrysotile
Total Quantity Present
1 Tank (45 SF)
Additional Notes

Photograph #60

Homogenous Material Description
HA-60: Wallboard walls
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
135 SF
Additional Notes

Photograph #61

Homogenous Material Description
HA-61: Textured plaster – rough ceiling
Asbestos Present (Yes/No/Assumed)
Yes, 3% Chrysotile
Total Quantity Present
180 SF
Additional Notes

Photograph #62

Homogenous Material Description
HA-62: 4” grey cove base, adhesive
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
20 LF
Additional Notes

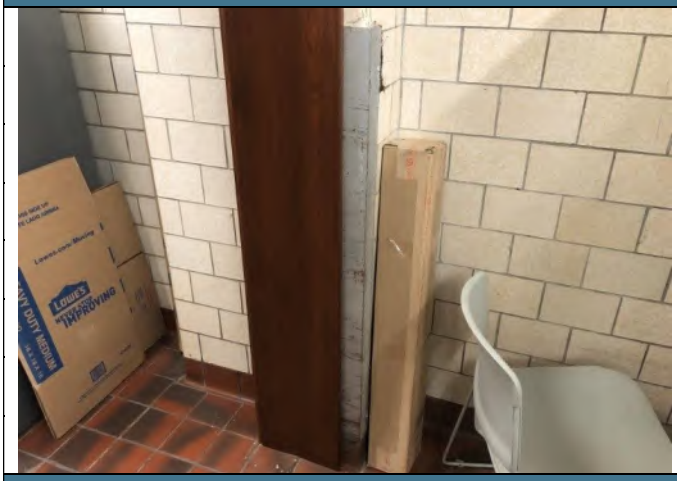
Photograph #63

Homogenous Material Description
HA-63: Grey caulk, window frame perimeter
Asbestos Present (Yes/No/Assumed)
Point Count: 2.25% Chrysotile
Total Quantity Present
570 LF
Additional Notes

Photograph #64

Homogenous Material Description
HA-64: Vibration dampener – white canvas
Asbestos Present (Yes/No/Assumed)
Yes, 20% Chrysotile
Total Quantity Present
40 SF
Additional Notes

Photograph #65



Homogenous Material Description
HA-65: steel corner guard adhesive
Asbestos Present (Yes/No/Assumed)
Yes, 3% Chrysotile
Total Quantity Present
165 SF
Additional Notes

Photograph #66

Homogenous Material Description
HA-66: Textured plaster, door frame
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
5 SF
Additional Notes

Photograph #67

Homogenous Material Description
HA-67: Off-white pinhole/large fissure ceiling panel
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1110 SF
Additional Notes

Photograph #68

Homogenous Material Description
HA-68: Pipe insulation, black tar tape
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
5 LF
Additional Notes

Photograph #69

Homogenous Material Description
HA-69: Brick mortar – red brick siding
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
20305 SF
Additional Notes

Photograph #70

Homogenous Material Description
HA-70: Plastic wrapped fiberglass insulation
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1100 SF
Additional Notes

Photograph #71

Homogenous Material Description
HA-71: Ceiling tile, pinholes
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
560 SF
Additional Notes

Photograph #72

Homogenous Material Description
HA-72: Ceiling panel – yellowish pinhole/fissure, grey composite material
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
40 SF
Additional Notes

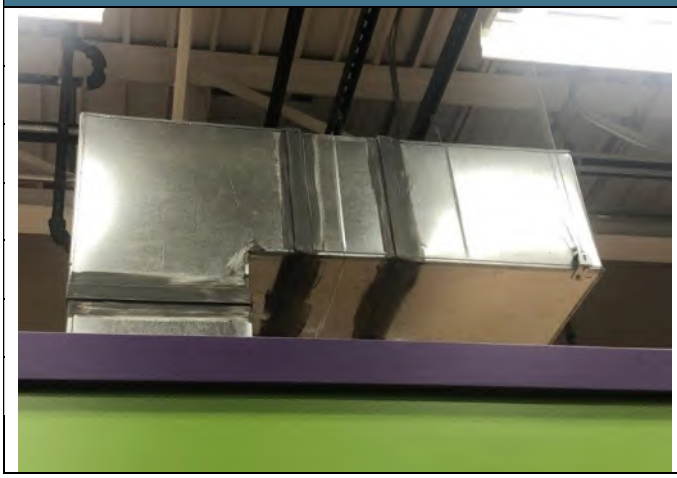
Photograph #73

Homogenous Material Description
HA-73: White pinhole ceiling panel, beige composite material
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
5323 SF
Additional Notes

Photograph #74

Homogenous Material Description
HA-74: Black adhesive behind rubber guard
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
245 SF
Additional Notes

Photograph #75



Homogenous Material Description
HA-75: Grey duct caulk
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
18 SF
Additional Notes

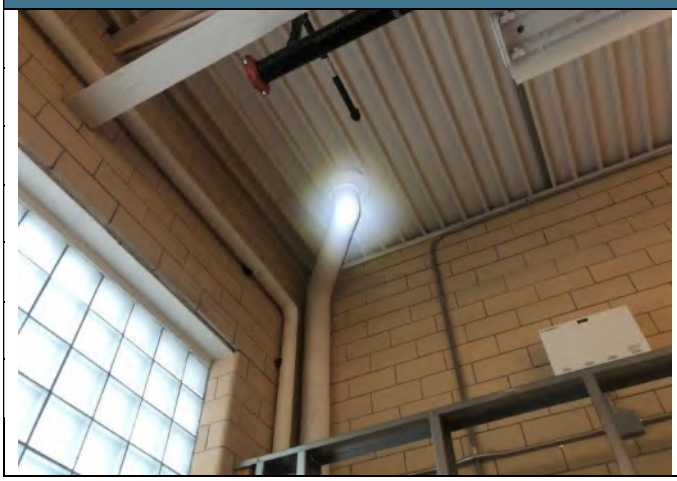
Photograph #76

Homogenous Material Description
HA-76: 6” black cove base, adhesive
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
40 LF
Additional Notes

Photograph #77

Homogenous Material Description
HA-77: black window glaze, office window
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
15 LF
Additional Notes

Photograph #78



Homogenous Material Description
HA-78: Roof drain fitting
Asbestos Present (Yes/No/Assumed)
Assumed
Total Quantity Present
1 Fitting
Additional Notes

Photograph #79

Homogenous Material Description
HA-79: Floor sheeting, brown vinyl
Asbestos Present (Yes/No/Assumed)
Yes, 15% Chrysotile
Total Quantity Present
265 SF
Additional Notes

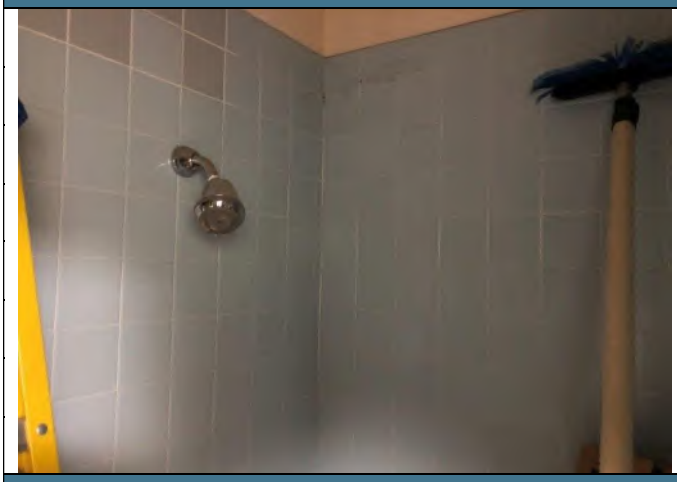
Photograph #80

Homogenous Material Description
HA-80: Brown caulk, perimeter of glass block
Asbestos Present (Yes/No/Assumed)
Point Count: 1.75% Chrysotile
Total Quantity Present
390 LF
Additional Notes

Photograph #81

Homogenous Material Description
HA-81: 2” blue ceramic floor tile, grout, mortar
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
25 SF
Additional Notes

Photograph #82



Homogenous Material Description
HA-82: 4” blue ceramic wall tile, grout, mortar
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
40 SF
Additional Notes

Photograph #83

Homogenous Material Description
HA-83: White caulk on backsplash
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
20 LF
Additional Notes

Photograph #84

Homogenous Material Description
HA-84: Concrete slab expansion joint
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
15 LF
Additional Notes

Photograph #85

Homogenous Material Description
HA-85: Carpet mastic, green
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
325 SF
Additional Notes

Photograph #86

Homogenous Material Description
HA-86: Transite window sill
Asbestos Present (Yes/No/Assumed)
Assumed
Total Quantity Present
20 SF
Additional Notes

Photograph #87

Homogenous Material Description
HA-87: Black caulk, perimeter of aluminum window frame
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
690 LF
Additional Notes

Photograph #88

Homogenous Material Description
HA-88: 12” wood pattern stick-on floor tile
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
100 SF
Additional Notes

Photograph #89

Homogenous Material Description
HA-89: Beige window glaze, window interior
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
6 Windows
Additional Notes

Photograph #90

Homogenous Material Description
HA-90: Grey foundation expansion joint
Asbestos Present (Yes/No/Assumed)
Yes, 8% Chrysotile
Total Quantity Present
5 LF
Additional Notes

Photograph #91

Homogenous Material Description
HA-91: Red brick expansion joint
Asbestos Present (Yes/No/Assumed)
Yes, 2% Chrysotile
Total Quantity Present
300 LF
Additional Notes

Photograph #92

Homogenous Material Description
HA-92: Black expansion joint between foundation wall and walkway
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
260 LF
Additional Notes

Photograph #93

Homogenous Material Description
HA-93: Exterior concrete
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1578 SF
Additional Notes

Photograph #94

Homogenous Material Description
HA-94: Black spray-on waterproofing
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
715 LF
Additional Notes

Photograph #95

Homogenous Material Description
HA-95: Glass block mortar
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
1050 LF
Additional Notes

Photograph #96

Homogenous Material Description
HA-96: Grey caulk, perimeter of glass block
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
465 LF
Additional Notes

Photograph #97

Homogenous Material Description
HA-97: Window glaze, multi-pane steel windows
Asbestos Present (Yes/No/Assumed)
Point Count: 0.25% Chrysotile
Total Quantity Present
1060 LF
Additional Notes

Photograph #98

Homogenous Material Description
HA-98: Window glaze – basement windows
Asbestos Present (Yes/No/Assumed)
Point Count: 0.25% Chrysotile
Total Quantity Present
375 LF
Additional Notes

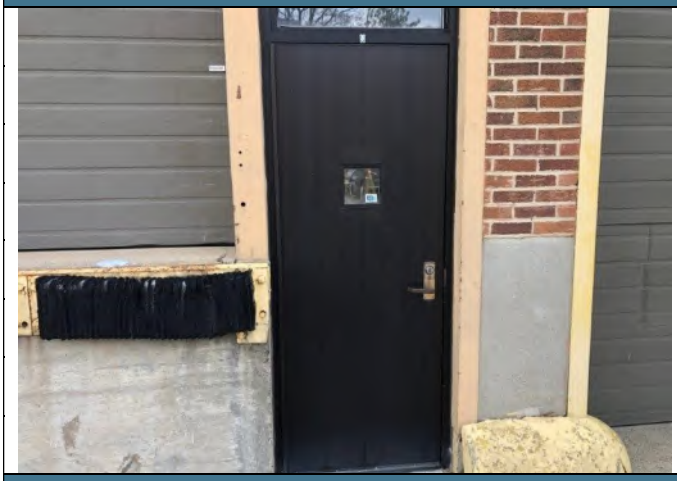
Photograph #99

Homogenous Material Description
HA-99: Metal door window glaze, grey
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
15 LF
Additional Notes

Photograph #100

Homogenous Material Description
HA-100: Grey caulk, perimeter of door frames
Asbestos Present (Yes/No/Assumed)
Yes, 7% Chrysotile
Total Quantity Present
70 LF
Additional Notes

Photograph #101



Homogenous Material Description
HA-101: Black caulk, perimeter of door frames
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
45 LF
Additional Notes

Photograph #102

Homogenous Material Description
HA-102: Grey, caulk, perimeter of steel multi-pane windows
Asbestos Present (Yes/No/Assumed)
Yes, 5% Chrysotile
Total Quantity Present
725 LF
Additional Notes

Photograph #103

Homogenous Material Description
HA-103: Grey caulk, perimeter of steel basement windows
Asbestos Present (Yes/No/Assumed)
Yes, 6% Chrysotile
Total Quantity Present
350 LF
Additional Notes

Photograph #104

Homogenous Material Description
HA-104: Grey caulk, perimeter of aluminum windows
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
530 LF
Additional Notes

Photograph #105

Homogenous Material Description
HA-105: Flat rubber membrane roofing materials
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
24300 SF
Additional Notes

Photograph #106

Homogenous Material Description
HA-106: Concrete walkway pads
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
135 SF
Additional Notes

Photograph #107

Homogenous Material Description
HA-107: Terracotta capstone
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
375 SF
Additional Notes

Photograph #108

Homogenous Material Description
HA-108: Grey caulk between terracotta capstones
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
190 LF
Additional Notes

Photograph #109

Homogenous Material Description
HA-109: Black caulk, on parapet wall
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
780 SF
Additional Notes

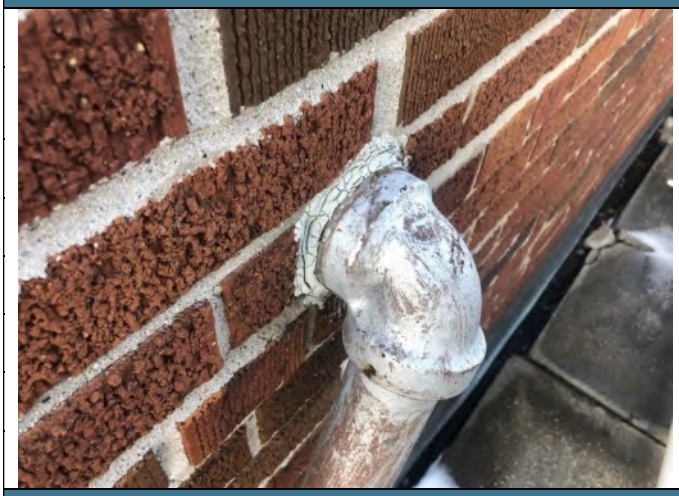
Photograph #110

Homogenous Material Description
HA-110: Black caulk on penthouse flashing
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
60 LF
Additional Notes

Photograph #111

Homogenous Material Description
HA-111: dark grey caulk, perimeter of door frame
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
20 LF
Additional Notes

Photograph #112



Homogenous Material Description
HA-112: Light grey caulk, penthouse penetrations
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
5 LF
Additional Notes

Photograph #113

Homogenous Material Description
HA-113: grey caulk on metal pipe
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
25 LF
Additional Notes

Photograph #114

Homogenous Material Description
HA-114: white caulk on plastic pipe fittings
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
15 LF
Additional Notes

Photograph #115

Homogenous Material Description
HA-115: Grey caulk, on penetrations, fencing base
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
50 SF
Additional Notes

Photograph #116

Homogenous Material Description
HA-116: Grey caulk, seams of concrete capstone
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
200 LF
Additional Notes

Photograph #117

Homogenous Material Description
HA-117: Dark grey caulk, under capstone
Asbestos Present (Yes/No/Assumed)
Yes, 10% Chrysotile
Total Quantity Present
400 SF
Additional Notes

Photograph #118

Homogenous Material Description
HA-118: Grey caulk, on HVAC seams
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
20 LF
Additional Notes

Photograph #119

Homogenous Material Description
HA-119: Pink caulk, on HVAC seams
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
30 LF
Additional Notes

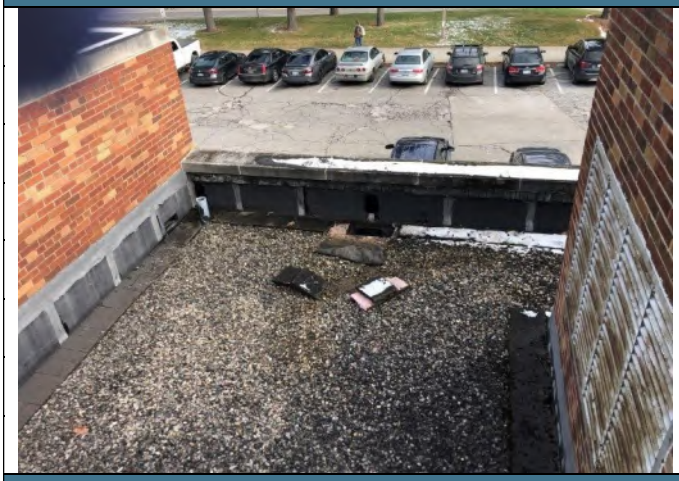
Photograph #120

Homogenous Material Description
HA-120: white caulk, on window angle iron
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
5 LF
Additional Notes

Photograph #121

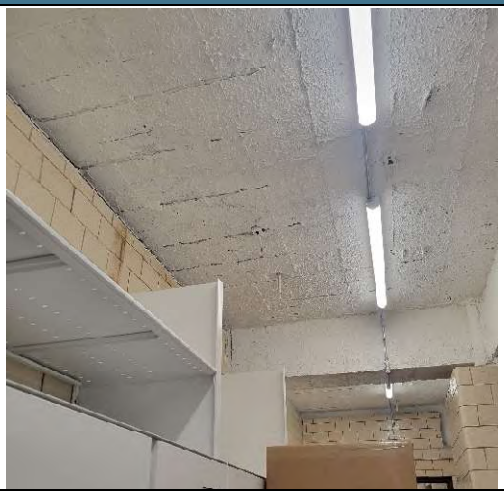
Homogenous Material Description
HA-121: grey caulk, on vent perimeter
Asbestos Present (Yes/No/Assumed)
Yes, 5% Chrysotile
Total Quantity Present
35 LF
Additional Notes

Photograph #122



Homogenous Material Description
HA-122: Black caulk, on parapet walls
Asbestos Present (Yes/No/Assumed)
Yes, 5% Chrysotile
Total Quantity Present
800 SF
Additional Notes

Photograph #123



Homogenous Material Description
HA-123: Cork insulation, remnants (cork & cork adhesive on concrete).
Asbestos Present (Yes/No/Assumed)
No
Total Quantity Present
14106 SF
Additional Notes
Black paper layer (ACM layer) & several inches of cork (HA-24) were previously removed in abatement project.

Photograph #124

Homogenous Material Description
HA-124: Black asphaltic layer, remnant pieces, at top of interior perimeter walls in select areas
Asbestos Present (Yes/No/Assumed)
Yes, 4% Chrysotile
Total Quantity Present
120 SF
Additional Notes
Associated with HA-123 (and HA-24 which was previously abated).

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SECTION 323113 – CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification sections, apply to this section.

1.2 SUMMARY

A. Provide all labor, materials and equipment as necessary to complete all work as indicated on the Drawings and specified herein.

B. This section includes chain link fences and gates.

C. Related section includes Section 312300 Earthwork for filling and for grading work.

1.3 REFERENCES

A. Reference to "PVC/vinyl coated fence" or "galvanized fence" refers only to the final appearance. Both shall be constructed of galvanized steel.

B. Product Standard: Chain Link Fence Manufacturers Institute (CLFMI) Product Manual, dated 1992 or later.

C. Installation Standard: ASTM F567, unless specified otherwise.

D. ASTM Chain Link Fence Standards is required and when no reference is given.

E. Should specifications provide insufficient detail, the Owner shall be consulted.

1.4 SYSTEM DESCRIPTION

A. Approximately (contractor to field measure prior to bidding) 550 lineal feet of 10-foot (10′) galvanized fencing, including posts, rails (if specified), tension wire and required hardware.

B. Five (5) twenty-four-foot (24′) wide swing gate openings, each consisting of two twelve-foot (12′) gate leaves.

C. One (1) twenty-eight-foot (28′) wide swing gate opening consisting of two (2) fourteen-foot (14′) gate leaves.

D. Two (2) four-foot (4′) wide swing gate openings, each consisting of one (1) four-foot (4′) gate leaf

1.5 SUBMITTALS

A. Shop Drawings:

1. Locations of fence, each gate, posts, rails, and tension wires and details of extended posts, extension arms, gate swing, cantilever gate or other operation, hardware and accessories.

2. Indicate materials, dimensions, sizes, weights and finishes of components.

3. Include plans, elevations, sections, gate swing and other required installation and operational clearances, and details of post anchorage and attachments and bracing.

B. Product Data:

1. Fence and gate posts, rails and fittings.

2. Chain-link fabric, reinforcements and attachments.

3. Gates and hardware.

4. Material certification and test documentation as specified in Part 3, prior to final payment request.

C. Samples: For the following products, showing the full range of color, texture and pattern variations expected. Prepare Samples from the same material to be used for the Work.

1. Provide a 1SF piece of steel wire (for fabric)
2. Provide a 1LF piece of pipe (for all posts, gates, bars, braces, and rails).
3. One sample each: latches and locking assemblies.
4. One sample each: stops, drop rod assemblies and keepers.

D. Waiver of Lien/Wage Statement, as specified in the General Conditions, prior to final payment request.

E. Warranties: Submit written special warranty as specified in this Section. Include contact information, description of coverage, and start date for each special warranty.

1.6 QUALITY ASSURANCE

A. Provide dated written certification and test documentation from each manufacturer that the material they provided for this Project meets or exceeds the Specifications of this Contract. The documentation shall provide product requirements; the name, address and phone number of the manufacturer(s); and the name of a contact person.

1.7 WARRANTY

A. Contractor agrees that by acceptance of this work and in consideration thereof, binds self and Subcontractors the guarantees and warranties herein. Contractor guarantees materials to be free from defects in materials and installation for 5 years after the date of final acceptance.

B. If within warranty period, it is found that the warranted materials need to be replaced because of the use of materials which are inferior, defective, not properly installed or not in accordance with the terms of the Contract Documents, Contractor, upon notification, shall promptly and without additional expense to MSU replace such materials immediately.

C. Should Contractor fail to proceed promptly in accordance with the warranty, the Owner may have such replacements made at the expense of the Contractor and sureties.

D. Contractor shall execute and deliver to the Owner, before final settlement, a written warranty and submittals subject to and stipulating the provisions above.

PART 2 - PRODUCTS

2.1 FABRIC

A. 2" mesh, 6-gauge steel wire for heavy use.

B. Coating shall be hot dipped after fabrication with a **minimum** of 1.2 oz of zinc per square foot of fabric.

C. Selvage shall be twisted top and bottom, for fences 6 feet and taller. Fences 4 feet and under twisted bottom and knuckled top. Coat selvage ends of fabric in the same manner and color as the fabric.

2.2 LINE POSTS

A. SS40 Pipe

1. Heavy duty: 3″ dia.

B. Line post length shall be in accordance with that which is required under Section 2.4.

2.3 TERMINAL, CORNER AND PULL POSTS

A. Type 1 Round Pipe, Schedule 40, Nominal Size:

1. 6 ft. or shorter: 3″ dia. O.D.
2. Over 6 ft: 3″ dia. O.D.;

B. Length: A minimum of 3′-6″ longer than the specified height of fence.

2.4 LINE POST FOOTINGS

A. Shall be driven posts with a total length below grade according to the following:

1. 10′ fence height – 6′ below grade

2.5 CORNER, GATE AND TERMINAL POST FOOTINGS

A. In accordance with ASTM F567 except:

1. Concrete footings shall be 12-inch (12″) diameter x a minimum of 42-inch (42")deep.

2. Concrete shall be 3,500 psi.

3. Footing hole shall have a uniform vertical surface to the bottom of the footing.

2.6 PULL POST FOOTINGS

A. In accordance with ASTM F567, except concrete shall be 10-inch diameter x a minimum of 42-inch deep with a uniform and plumb vertical surface. Footings shall be approved by the Project Representative prior to post installation.

2.7 SWING GATES

A. Include the entire assembly to make a ten-foot (10') high gate system to match fence height and either galvanized or PVC coating. Unless otherwise specified, PVC and galvanized coatings shall be identical to fabric. Refer to Article 2.1.

1. Frames:

a. Conform to ASTM F 900 Type 2, Class 2.

b. 2″ dia. (minimum) SS20 steel pipe

c. Galvanized steel gates shall have welded corners. After fabrication the welded areas will be brush coated with ZRC Cold Galvanizing Compound (no exceptions or substitutes permitted) according to the manufacture's specifications. Contractor will provide purchase receipts for ZRC and notify the Project Representative to inspect the fabrication and application of the ZRC Cold Galvanizing Compound.

2. Fabric: Identical to that used on the fence assembly. Stretcher and tension bars, wires, rings and clips shall be identical to the fence fabric.

3. Hinges, Stops, Center Drop Rod and Keepers: Items shall be of structural steel and shall be of appropriate size and quality to accomplish hinges from not twisting and turning, plus holding the gate even with the rest of the fence. Latches shall keep the gates even with each other and/or the rest of the fence. Stops, center drop rod, and keepers shall prevent the fence from going in undesired areas and/or directions for the purpose intended. All appurtenances shall match color of fence fabric.

4. Latches:

a. Double Gate Latch: Commercial galvanized steel as manufactured by DAC Industries, Inc., 615 Eleventh Street, NW, Grand Rapids, MI 49504; 800-888-9768.

b. Walk Gate Latch: Heavy duty galvanized as manufactured by DAC Industries, Inc., 615 Eleventh Street, NW, Grand Rapids, MI 49504; 800-888-9768.

5. Single Swing Gate Posts: Shall meet the following minimum size.

a. For less than 13ft. opening shall be 4″ O.D. (minimum) at 9.11 lb/lf

6. Double Swing Gate Posts: Shall meet the following minimum size.

a. 3ft. to 13ft. gate leaf shall be 4″ O.D. (minimum) at 9.11 lb/ft

b. 14ft. to 17-ft. gate leaf shall be 6 5/8″ O.D. (minimum) at 18.97 lb/ft

7. Double Gates: Provide and install the following.

a. Drop rod to hold gate closed. To hold gate closed and secured drop rod to pavement, there shall be a galvanized 12" long "U" channel securely positioned in the pavement, directly below the drop rod in the closed position, that is parallel to the closed gate, and flush with the pavement. Gate stop to engage gate when in open position Locking latch as previous specified requiring 1 padlock for locking both gate leaves. Padlock provided by owner.

2.8 POST CAPS AND BRACE ENDS

A. Formed steel, cast malleable iron, or aluminum alloy, weather tight closure, cap for tubular posts, connection of braces to terminal posts and top rail. "C" shape posts shall not have cap.

2.9 HOT DIP GALVANIZED ZINC COATING

A. Coat steel with a galvanized coating 0.30 oz/sf, in accordance with ASTM.

2.10 POST BRACE ASSEMBLY

A. 1-5/8″ O.D. galvanized steel tubing at 1.35 lbs/lf and a 5/16-inch diameter truss rod and turnbuckle to be attached between end, pull or gate post and adjacent line post. [EDIT] Parts shall be zinc-coated, to match fabric

2.11 TENSION (STRETCHER) BARS

A. One-piece lengths equal to 2-inches less than full length of fabric with a minimum cross section of 3/16-inch x 3/4-inch or equivalent fiberglass rod. Provide tension (stretcher) bars where chain fabric meets terminal posts. Coating to match fabric.

2.12 TENSION AND BRACE BANDS

A. Galvanized steel 12-gauge, 3/4-inch for 4-inch O.D. or less posts and 7/8-inch for larger posts. Coating to match fabric.

2.13 TIE WIRES AND HOG RINGS FOR FABRIC ATTACHMENT

A. Rings shall be 6-gauge galvanized steel. Tie wires shall be 6-gauge galvanized steel. Coating to match fabric.

2.14 TRUSS RODS AND TURN BUCKLE

A. Galvanized coated steel rods with a minimum diameter of 5/16″ to match fence fabric

2.15 TOP AND BOTTOM RAIL ASSEMBLY

A. Galvanized pipe top and bottom rails to match fabric.

PART 3 - EXECUTION

3.1 GENERAL

A. Conform to ASTM 567 with the exceptions noted herein.

3.2 FENCE INSTALLATION

A. Line Post Spacing: Set first corner, gate and pull posts first. Space line fence posts equally not exceeding 10-foot on center.

B. Corner, Gate, Terminal and Pull Post Footing: Only concrete footings shall be used and shall be 12-inch diameter x a minimum of 42-inch deep, shall be flush with the grade sloped to drain moisture away from the post. 2 inches of concrete shall be placed below the bottom of the post. Check each post for vertical and top alignment and maintain in position during placement and finishing operations. Pull post footings shall be 10-inch diameter x a minimum 42-inch deep. Owners Representative will be notified sufficiently in advance so that an inspection of the concrete footing holes can be inspected

C. Line Post Footings: Shall be driven to the proper depth depending on the height of the fence in accordance with these specifications.

D. Fabric: Install fabric on security side and attach so that fabric remains in tension after pulling force is released. Leave approximately 4 inches between finish grade and bottom selvage. Fasten fabric to line post at 6 equally spaced intervals. Fasten fabric to each tension wire at intervals not exceeding 18 inches. If new fabric abuts existing fabric, the new fabric shall be woven in the existing fabric at both ends of the 2 sections.

E. Tension (Stretcher) Bars: Pull fabric taut, thread tension bar through fabric and attach to terminal post with bands. One tension bar for each terminal and 2 for each corner or pull post.

F. Tension Bands: Six per terminal and pull post and 12 per corner post.

G. Top and Bottom Rail: Shall be attached to the line, corner and pull posts by means of appropriate post caps securely fastened to the posts and fitted to the top rail. Fabric shall be attached to the top rail with tie wires at equal spacing not to exceed 1 ft.

3.3 SWING GATE

A. Install gate posts in accordance with manufacturer’s instructions as well as specified in Article 3.2 B. Set keepers, stops, sleeves and other accessories into concrete and position out of the way of normal traffic but located to provide reliable performance.

B. Install gate plumb, level and secure for full operation without interference.

C. Attach hardware by means which will prevent unauthorized removal.

D. Adjust hardware for smooth operation and lubricate where necessary. Confirm that latches and locks engage accurately and securely without forcing or binding.

3.4 ADJUSTING

A. Fence and accessories shall be installed in strict accordance with the Drawings and Specifications in a workmanlike manner. Finished fence shall be in proper alignment with posts plumb, and fabric, tension and barb wires taut.

3.5 CLEANING

A. Fence installation will not be considered complete until excess excavated materials, cut wires, spilled concrete, and other debris, including the existing fence to be removed, resulting from the fence construction, is removed and legally disposed of off the Owner's property.

END OF SECTION 323113

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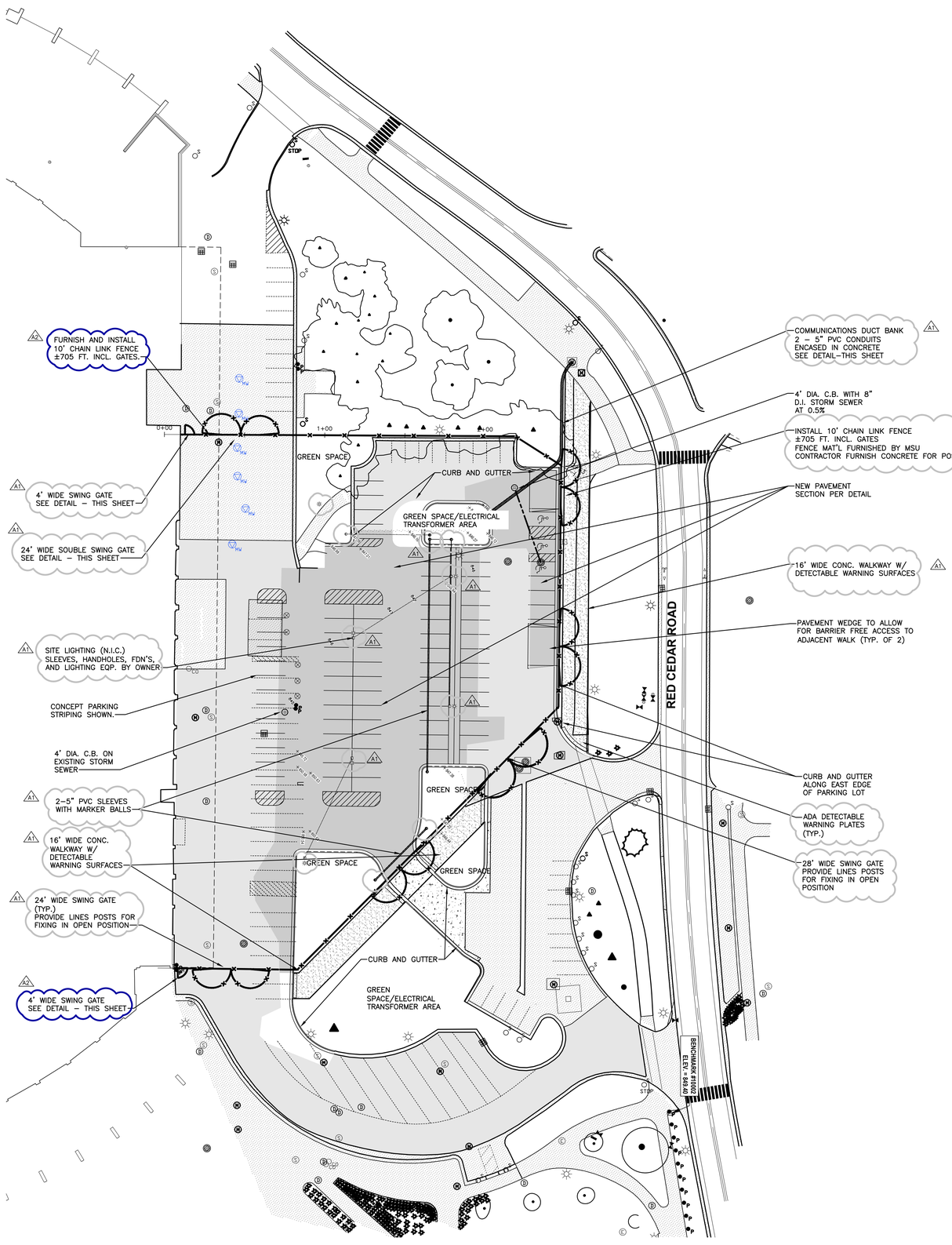
Dwg. By: HBOWERS
Designer: TOSMAN
Reviewer:
Manager: TOSMAN

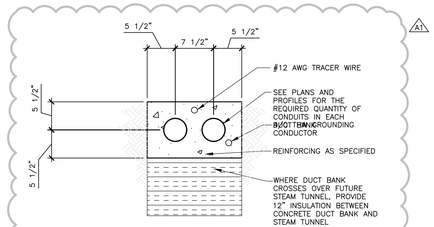


FINAL SITE LAYOUT PLAN

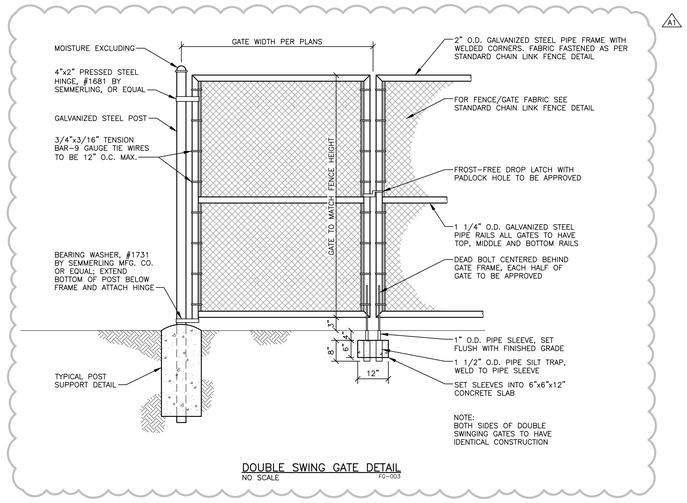
SCALE: 1" = 30'
0 15 30 60
NORTH

SYMBOL LEGEND

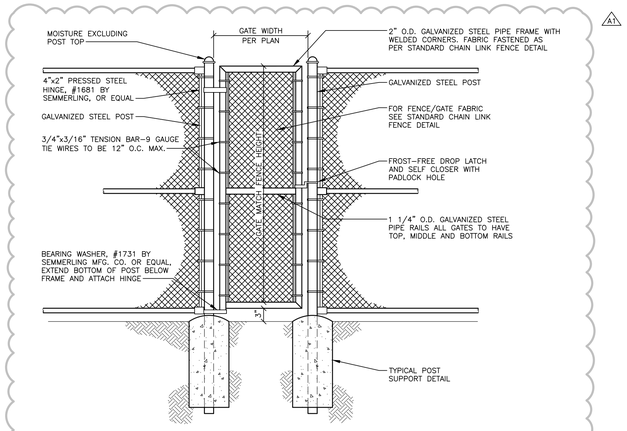
- ASPHALT PAVEMENT
- A1 — 10" REINFORCED CONCRETE
- 6" NON–REINFORCED CONCRETE
- CURB AND GUTTER
- CURB AND GUTTER–ROLLED CURB
- CURB AND GUTTER–CURB HEAD TRANSITION
- CURB AND GUTTER–NO CURB HEAD



DUCT BANK: 2–5"
NO SCALE



DOUBLE SWING GATE DETAIL
NO SCALE FG–003



SINGLE SWING GATE DETAIL
NO SCALE FG–004

Infrastructure Planning and Facilities

MICHIGAN STATE UNIVERSITY

CENTRAL SERVICES DEMOLITION

CP24092

MSU PROJ. NO.
CP24092

PRJ. MGR.	VANZEE
ARCH.	KASDORF
MECH.	HOPPER
ELEC.	BEACH
CIVIL	GARDNER
L.A.	WILBER
INT. DES.	
CONST. REP.	
APPR.	
DATE	
SCALE	AS NOTED
ISSUED	
BIDS 3/28/2025	
ADDENDUM 1 05/02/2025	
ADDENDUM 2 05/05/2025	

FINAL SITE LAYOUT PLAN

C10

9 OF 12

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PLOT INFO: P:\2024\241880\CAD\CTB\C10_241880.DWG LAYOUT: C10 DATE: 5/5/2025 TIME: 12:37:49 PM USER: BBOWERS

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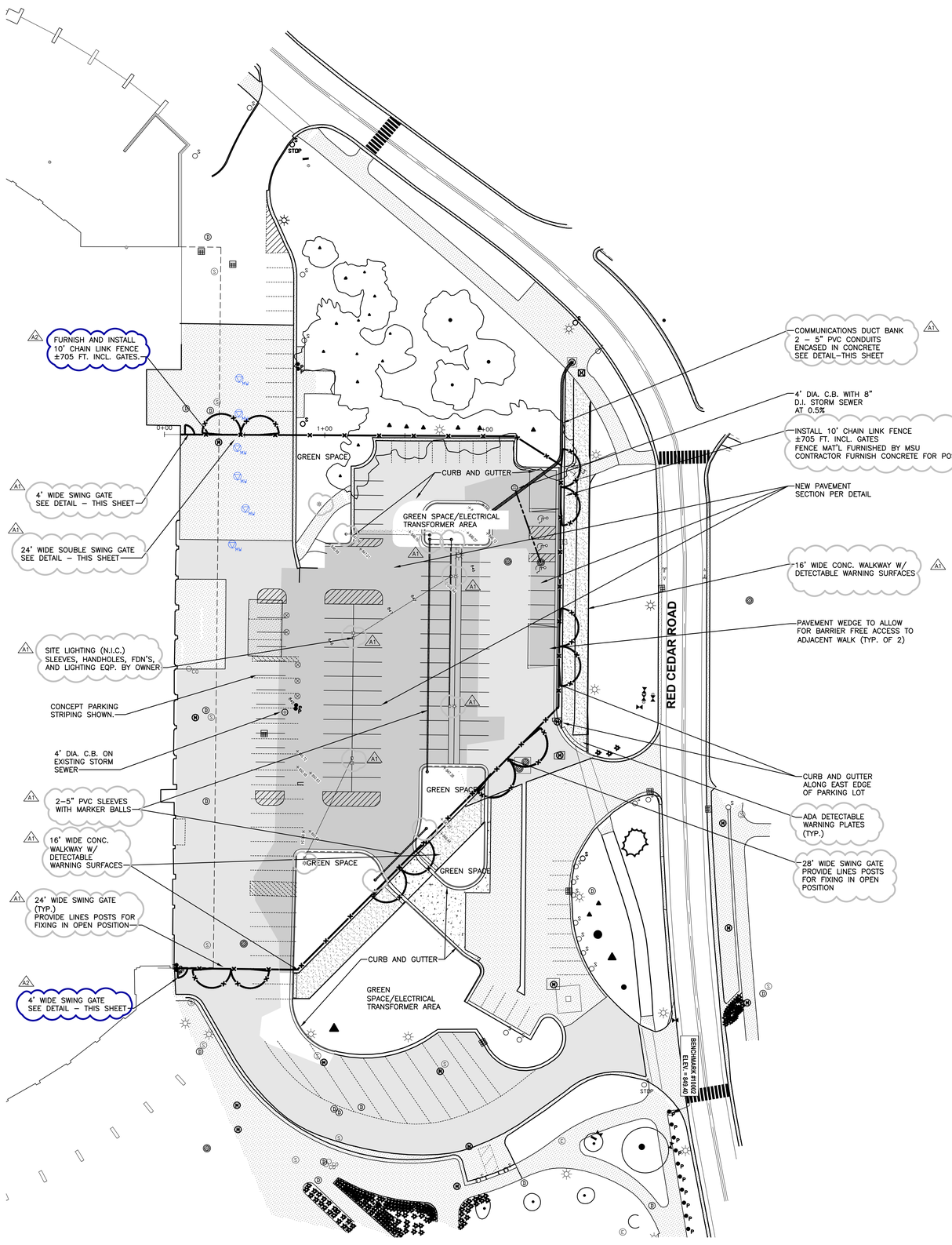

FINAL SITE LAYOUT PLAN

SCALE: 1" = 30'
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NORTH

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- ASPHALT PAVEMENT
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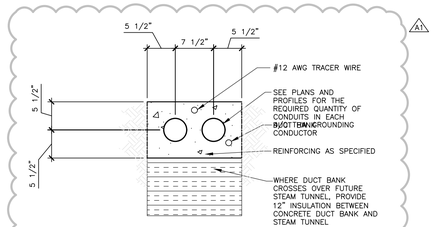

DUCT BANK: 2–5"
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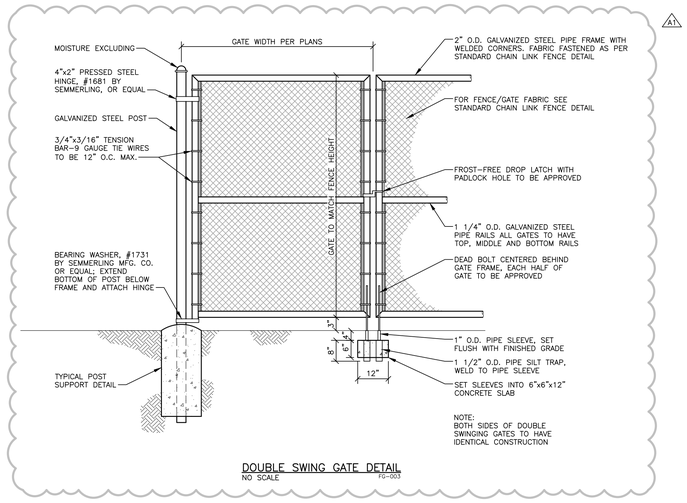
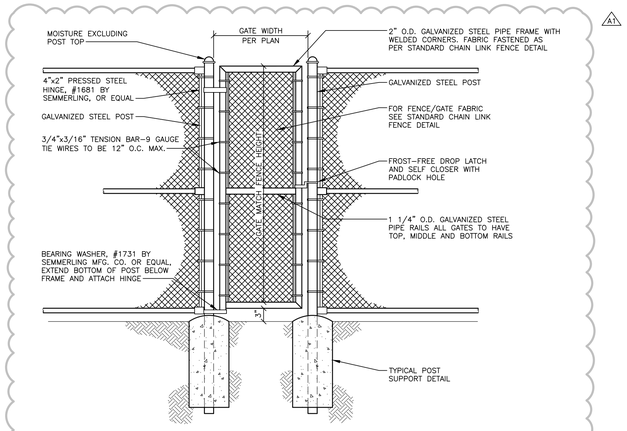


DOUBLE SWING GATE DETAIL
NO SCALE FG–003



SINGLE SWING GATE DETAIL
NO SCALE FG–004

Infrastructure Planning and Facilities

MICHIGAN STATE UNIVERSITY

CENTRAL SERVICES DEMOLITION

CP24092

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INT. DES.	
CONST. REP.	
APPR.	
DATE	
SCALE	AS NOTED
ISSUED	
BIDS 3/28/2025	
ADDENDUM 1 05/02/2025	
ADDENDUM 2 05/05/2025	

FINAL SITE LAYOUT PLAN

C10

9 OF 12

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PLOT INFO: P:\2024\241880\CAD\CTB\C10_241880.DWG LAYOUT: C10 DATE: 5/5/2025 TIME: 12:37:49 PM USER: BBOWERS

GENERAL PRE-BID MEETING AGENDA ITEMS:

1. Schedule:

    a. Bids Due by 3pm May 16,2025
    b. Substantial Completion September 26,2025
    c. Pre-bid questions due by EOD April 25.

2. Contractor responsible for all utility cutting and capping – MSU to remove primary power feed, exterior transformers, and fiber cabling from the building. Contractor responsible for cutting and capping of duct banks after cable removals.

3. Construction fencing must be driven post for temporary to meet security requirements for construction and game day needs.

4. The Service Garage will remain open and operational during construction. Access to service drive and garage must be maintained at all times.

5. MSU Landscape Services can take brick and concrete separately, but they don't want to pay to separate them if not feasible.

6. Carpool vehicles around Central Services will be removed prior to construction start.

7. Items left in the building that are not tagged or identified in drawings to be salvaged are part of the demo.

8. Must use approved abatement company listed in specifications.

9. Addendum release will include additional site details.

10. MSU Electrical and Telecomm Crews have roughly a week to disconnect the building.

11. The South Freight Elevator is available for use by the Contractor during demolition work. The North Elevator is offline.

12. MSU EHS will provide barrels for containing non-ACM hazardous materials (PCB, mercury, radioactive materials, etc.). MSU will manifest and dispose of with the exception of asbestos. Contractor will be responsible for removing, containerizing, and stockpiling all containerized hazardous materials identified in the Atlas hazardous building material report. Contractor will also be responsible for removing, documenting, and disposing of ACM hazardous materials.

13. The contractor will be required to salvage, clean, palletize, and band 240 face bricks. Suitable bricks for salvage will be whole face bricks, free of cracks or missing sections. At least one face must be free of chips and surface marring.

14. MSU will provide and install site lighting, including transformers, controls, foundations and pads, light standards, luminaires, and wiring. The contractor will install utility sleeves, markers, and make connections to existing electrical distribution infrastructure as shown on the drawings. Sleeves and markers have been added to Sheet C10 in Addendum No. 1.

PRE-BID RFI'S AND RESPONSES:

1. What is the height of the permanent fence on this project? The specs indicate that the height is on the drawings. There is no detail for the permanent fence and no indication of height on any of the drawings. Please advise.
   RESPONSE: All fencing and double-swing gates to be 10 feet in height. Man-gates to be 4 feet wide by 8 feet tall with fixed fencing lintel above the gate at 10-foot height. ~~Fencing materials will be provided by the Owner~~. Provide fence post spacing adjacent to gates in order to chain gates open at 180° without encroaching on proposed walks.

2. Is there a desired infill material or method of infill for the basement?
   RESPONSE: Infill foundations and basement areas in accordance with Section 312300-EARTHWORK. Unless otherwise designated on the plans, Class II Granular Material is required beneath and within the influence area of structures or pavements.

3. What is the desired start date for the project?
   RESPONSE: July 1st is the current start date for full building demolition. As mentioned in the pre bid, construction site fencing and mobilization can start June 16th as long as the contract, insurance and permits are in place.

4. Are there any milestones that we need to hit prior to the substantial completion date?
   RESPONSE: Home football games are scheduled for Friday, August 29; Saturday, September 6; and Saturday, September 13. There will be no work on this day and site will need to be secure.

5. There was mention of certain materials being turned over to landscape services – bricks, concrete, etc. Is this a requirement of the project?
   RESPONSE: Bricks are not required per spec other than the salvage quantity indicated. Concrete and topsoil are required by spec.

6. Is there a cost associated with disposing materials with Landscape Services?
   RESPONSE: There is no cost to dispose of materials identified to unload at Landscape Services other than your trucking costs. The specifications call for and require that all topsoil and site concrete removed from the site are delivered to Landscape Services on 4080 Beaumont Rdoad, Lansing, MI. They will take building brick as well as long as it is separated from all other building materials.

7. Are the as-built or existing building drawings available?

   Are there any as-built drawings available that can be shared?
   RESPONSE: Record drawings reviewed during the Pre-Bid Meeting will be shared with bidders. Annotated sheets will be provided with known hazardous material, cork material, and steam entry locations. Assumed Asbestos-Containing-Material (ACM) locations will be provided in Addendum No. 1.

8. It is assumed that we need to dispose of the existing building foundations. Is the existing foundation type and depth known?
   RESPONSE: Foundations should be assumed to be disposed of or recycled. If there is no rebar in the foundations, Landscape Services will accept. As built drawings provided to confirm depth and size of building footings.

9. Are the elevators/lifts available for contractor use throughout the project while they are operational?
   RESPONSE: The South Freight Elevator is available for use by the Contractor during demolition work. The North Elevator is offline.

10. Can you please distribute the sign-on sheet from the pre-bid?
    RESPONSE: A sign-in sheet will be included in Addendum No. 1

11. Please confirm that all FF&E will be removed by the owner prior to the start of construction-
    RESPONSE: Owner will not remove all FF&E. Any remaining FF&E is the responsibility of the demolition contractor to properly dispose of.

12. Is there a specific location that hazardous materials need to be sent to?
    RESPONSE: MSU EHS will provide barrels for containing non-ACM hazardous materials (PCB, mercury, radioactive materials, etc.). MSU will manifest and dispose of with the exception of asbestos. Contractor will be responsible for removing, containerizing, and stockpiling all containerized hazardous materials identified in the Atlas hazardous building material report. Contractor will also be responsible for removing, documenting, and disposing of ACM hazardous materials.

13. Is the contractor able to retain all scrap value from demolition?
    RESPONSE: Yes with exception of items identified to be turned over to MSU.

14. There are many structural concrete walls that have glazed tile applied to the surface. Will the wall concrete with tile debris be accepted as recyclable material at Beaumont Road?
    RESPONSE: Concrete separated from other building materials will be accepted. Brick is accepted, but not tile or CMU.

15. There are also concrete floors/slabs throughout with non-ACM ceramic tile applied to the surface. Will the concrete floor/slab debris with non-ACM ceramic tile applied be accepted as recyclable material at Beaumont Road?
    RESPONSE: Concrete that is separated from other building materials will be accepted.

16. Will MSU be able to furnish topsoil and/or aggregate base materials. If so, what is the cost?

    Do bidders need to include purchase costs for the owner provided concrete aggregate road base and topsoil? If so, what are those costs?
    RESPONSE: MSU can furnish topsoil and 21AA aggregate base material. If the contractor choses to procure this material from MSU, the cost of topsoil $16.08 per ton and the cost for 21AA crushed concrete is $19.20 per ton. The costs for topsoil and 21AA crushed concrete include loading on the contractor's truck by MSU Staff. Note, 21AA crushed concrete is permitted in parking areas only, and is not permitted in roadways.

17. Will a loader and operator be provided by MSU at Beaumont Road to load trucks?
    RESPONSE: Yes. See Response to Question 18 above.

18. Will there be a formal bid form? It does not look like the specs have this included.
    RESPONSE: A bid form will be issued through Unifier and included with Addendum No. 1.

19. Who will be responsible for issuing the demolition permit?
    RESPONSE: Awarded contractor will be responsible for demolition and abatement permits (notification of intent to renovate/demolish) through the State of Michigan (EGLE).

20. For sample material #11- interior caulk- dark brown- 1040 LF, this material appears to be behind the metal corner guards on each door opening- can Atlas clarify if all these metal guards will need to be disposed of asbestos or not?
    RESPONSE: HA-11 is a dark brown caulk on door/window frames and HA-65 is black/dark brown adhesive under steel corner guards. Both materials were positive for asbestos. If the asbestos-containing adhesives cannot be sufficiently removed or cleaned from the guards, then they must be disposed of as asbestos waste.

21. Are all windows expected to have PCB-containing glazing?
    The PCB-containing window glazing in the Atlas report is the result of a single composite sample. Due to the building's construction history, it is anticipated that only some of the windows contain PCB glazing. Further sampling is being conducted to determine the actual number of windows to be disposed of as PCB waste.

    Contractor is responsible for removing those windows containing PCB glazing and placing then in an owner provided PCB waste dumpster. Owner will coordinate and pay for disposal.

    Contractor to provide separate pricing as follows:
    - **A. Per sq ft cost assuming whole window removal with PCB containing caulk materials.**
    - **B. Linear cost per foot for PCB caulk removals.**

SECTION 323113 – CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification sections, apply to this section.

1.2 SUMMARY

A. Provide all labor, materials and equipment as necessary to complete all work as indicated on the Drawings and specified herein.

B. This section includes chain link fences and gates.

C. Related section includes Section 312300 Earthwork for filling and for grading work.

1.3 REFERENCES

A. Reference to "PVC/vinyl coated fence" or "galvanized fence" refers only to the final appearance. Both shall be constructed of galvanized steel.

B. Product Standard: Chain Link Fence Manufacturers Institute (CLFMI) Product Manual, dated 1992 or later.

C. Installation Standard: ASTM F567, unless specified otherwise.

D. ASTM Chain Link Fence Standards is required and when no reference is given.

E. Should specifications provide insufficient detail, the Owner shall be consulted.

1.4 SYSTEM DESCRIPTION

A. Approximately (contractor to field measure prior to bidding) 550 lineal feet of 10-foot (10′) galvanized fencing, including posts, rails (if specified), tension wire and required hardware.

B. Five (5) twenty-four-foot (24′) wide swing gate openings, each consisting of two twelve-foot (12′) gate leaves.

C. One (1) twenty-eight-foot (28′) wide swing gate opening consisting of two (2) fourteen-foot (14′) gate leaves.

D. Two (2) four-foot (4′) wide swing gate openings, each consisting of one (1) four-foot (4′) gate leaf

1.5 SUBMITTALS

A. Shop Drawings:

1. Locations of fence, each gate, posts, rails, and tension wires and details of extended posts, extension arms, gate swing, cantilever gate or other operation, hardware and accessories.

2. Indicate materials, dimensions, sizes, weights and finishes of components.

3. Include plans, elevations, sections, gate swing and other required installation and operational clearances, and details of post anchorage and attachments and bracing.

B. Product Data:

1. Fence and gate posts, rails and fittings.

2. Chain-link fabric, reinforcements and attachments.

3. Gates and hardware.

4. Material certification and test documentation as specified in Part 3, prior to final payment request.

C. Samples: For the following products, showing the full range of color, texture and pattern variations expected. Prepare Samples from the same material to be used for the Work.

1. Provide a 1SF piece of steel wire (for fabric)
2. Provide a 1LF piece of pipe (for all posts, gates, bars, braces, and rails).
3. One sample each: latches and locking assemblies.
4. One sample each: stops, drop rod assemblies and keepers.

D. Waiver of Lien/Wage Statement, as specified in the General Conditions, prior to final payment request.

E. Warranties: Submit written special warranty as specified in this Section. Include contact information, description of coverage, and start date for each special warranty.

1.6 QUALITY ASSURANCE

A. Provide dated written certification and test documentation from each manufacturer that the material they provided for this Project meets or exceeds the Specifications of this Contract. The documentation shall provide product requirements; the name, address and phone number of the manufacturer(s); and the name of a contact person.

1.7 WARRANTY

A. Contractor agrees that by acceptance of this work and in consideration thereof, binds self and Subcontractors the guarantees and warranties herein. Contractor guarantees materials to be free from defects in materials and installation for 5 years after the date of final acceptance.

B. If within warranty period, it is found that the warranted materials need to be replaced because of the use of materials which are inferior, defective, not properly installed or not in accordance with the terms of the Contract Documents, Contractor, upon notification, shall promptly and without additional expense to MSU replace such materials immediately.

C. Should Contractor fail to proceed promptly in accordance with the warranty, the Owner may have such replacements made at the expense of the Contractor and sureties.

D. Contractor shall execute and deliver to the Owner, before final settlement, a written warranty and submittals subject to and stipulating the provisions above.

PART 2 - PRODUCTS

2.1 FABRIC

A. 2" mesh, 6-gauge steel wire for heavy use.

B. Coating shall be hot dipped after fabrication with a **minimum** of 1.2 oz of zinc per square foot of fabric.

C. Selvage shall be twisted top and bottom, for fences 6 feet and taller. Fences 4 feet and under twisted bottom and knuckled top. Coat selvage ends of fabric in the same manner and color as the fabric.

2.2 LINE POSTS

A. SS40 Pipe

1. Heavy duty: 3″ dia.

B. Line post length shall be in accordance with that which is required under Section 2.4.

2.3 TERMINAL, CORNER AND PULL POSTS

A. Type 1 Round Pipe, Schedule 40, Nominal Size:

1. 6 ft. or shorter: 3″ dia. O.D.
2. Over 6 ft: 3″ dia. O.D.;

B. Length: A minimum of 3′-6″ longer than the specified height of fence.

2.4 LINE POST FOOTINGS

A. Shall be driven posts with a total length below grade according to the following:

1. 10′ fence height – 6′ below grade

2.5 CORNER, GATE AND TERMINAL POST FOOTINGS

A. In accordance with ASTM F567 except:

1. Concrete footings shall be 12-inch (12″) diameter x a minimum of 42-inch (42")deep.

2. Concrete shall be 3,500 psi.

3. Footing hole shall have a uniform vertical surface to the bottom of the footing.

2.6 PULL POST FOOTINGS

A. In accordance with ASTM F567, except concrete shall be 10-inch diameter x a minimum of 42-inch deep with a uniform and plumb vertical surface. Footings shall be approved by the Project Representative prior to post installation.

2.7 SWING GATES

A. Include the entire assembly to make a ten-foot (10') high gate system to match fence height and either galvanized or PVC coating. Unless otherwise specified, PVC and galvanized coatings shall be identical to fabric. Refer to Article 2.1.

1. Frames:

a. Conform to ASTM F 900 Type 2, Class 2.

b. 2″ dia. (minimum) SS20 steel pipe

c. Galvanized steel gates shall have welded corners. After fabrication the welded areas will be brush coated with ZRC Cold Galvanizing Compound (no exceptions or substitutes permitted) according to the manufacture's specifications. Contractor will provide purchase receipts for ZRC and notify the Project Representative to inspect the fabrication and application of the ZRC Cold Galvanizing Compound.

2. Fabric: Identical to that used on the fence assembly. Stretcher and tension bars, wires, rings and clips shall be identical to the fence fabric.

3. Hinges, Stops, Center Drop Rod and Keepers: Items shall be of structural steel and shall be of appropriate size and quality to accomplish hinges from not twisting and turning, plus holding the gate even with the rest of the fence. Latches shall keep the gates even with each other and/or the rest of the fence. Stops, center drop rod, and keepers shall prevent the fence from going in undesired areas and/or directions for the purpose intended. All appurtenances shall match color of fence fabric.

4. Latches:

a. Double Gate Latch: Commercial galvanized steel as manufactured by DAC Industries, Inc., 615 Eleventh Street, NW, Grand Rapids, MI 49504; 800-888-9768.

b. Walk Gate Latch: Heavy duty galvanized as manufactured by DAC Industries, Inc., 615 Eleventh Street, NW, Grand Rapids, MI 49504; 800-888-9768.

5. Single Swing Gate Posts: Shall meet the following minimum size.

a. For less than 13ft. opening shall be 4″ O.D. (minimum) at 9.11 lb/lf

6. Double Swing Gate Posts: Shall meet the following minimum size.

a. 3ft. to 13ft. gate leaf shall be 4″ O.D. (minimum) at 9.11 lb/ft

b. 14ft. to 17-ft. gate leaf shall be 6 5/8″ O.D. (minimum) at 18.97 lb/ft

7. Double Gates: Provide and install the following.
   a. Gate Latch and Drop Rod w/ receiver to hold gate closed.

   b. Gate stop on hinge, drop rod w/ receiver, and line post to secure gate when in open position.

2.8 POST CAPS AND BRACE ENDS

A. Formed steel, cast malleable iron, or aluminum alloy, weather tight closure, cap for tubular posts, connection of braces to terminal posts and top rail. "C" shape posts shall not have cap.

2.9 HOT DIP GALVANIZED ZINC COATING

A. Coat steel with a galvanized coating 0.30 oz/sf, in accordance with ASTM.

2.10 POST BRACE ASSEMBLY

A. 1-5/8″ O.D. galvanized steel tubing at 1.35 lbs/lf and a 5/16-inch diameter truss rod and turnbuckle to be attached between end, pull or gate post and adjacent line post. [EDIT] Parts shall be zinc-coated, to match fabric

2.11 TENSION (STRETCHER) BARS

A. One-piece lengths equal to 2-inches less than full length of fabric with a minimum cross section of 3/16-inch x 3/4-inch or equivalent fiberglass rod. Provide tension (stretcher) bars where chain fabric meets terminal posts. Coating to match fabric.

2.12 TENSION AND BRACE BANDS

A. Galvanized steel 12-gauge, 3/4-inch for 4-inch O.D. or less posts and 7/8-inch for larger posts. Coating to match fabric.

2.13 TIE WIRES AND HOG RINGS FOR FABRIC ATTACHMENT

A. Rings shall be 6-gauge galvanized steel. Tie wires shall be 6-gauge galvanized steel. Coating to match fabric.

2.14 TRUSS RODS AND TURN BUCKLE

A. Galvanized coated steel rods with a minimum diameter of 5/16″ to match fence fabric

2.15 TOP AND BOTTOM RAIL ASSEMBLY

A. Galvanized pipe top and bottom rails to match fabric.

PART 3 - EXECUTION

3.1 GENERAL

A. Conform to ASTM 567 with the exceptions noted herein.

3.2 FENCE INSTALLATION

A. Line Post Spacing: Set first corner, gate and pull posts first. Space line fence posts equally not exceeding 10-foot on center.

B. Corner, Gate, Terminal and Pull Post Footing: Only concrete footings shall be used and shall be 12-inch diameter x a minimum of 42-inch deep, shall be flush with the grade sloped to drain moisture away from the post. 2 inches of concrete shall be placed below the bottom of the post. Check each post for vertical and top alignment and maintain in position during placement and finishing operations. Pull post footings shall be 10-inch diameter x a minimum 42-inch deep. Owners Representative will be notified sufficiently in advance so that an inspection of the concrete footing holes can be inspected

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G. Top and Bottom Rail: Shall be attached to the line, corner and pull posts by means of appropriate post caps securely fastened to the posts and fitted to the top rail. Fabric shall be attached to the top rail with tie wires at equal spacing not to exceed 1 ft.

3.3 SWING GATE

A. Install gate posts in accordance with manufacturer’s instructions as well as specified in Article 3.2 B. Set keepers, stops, sleeves and other accessories into concrete and position out of the way of normal traffic but located to provide reliable performance.

B. Install gate plumb, level and secure for full operation without interference.

C. Attach hardware by means which will prevent unauthorized removal.

D. Adjust hardware for smooth operation and lubricate where necessary. Confirm that latches and locks engage accurately and securely without forcing or binding.

E. Hold and Securing Gates

1. Gate Closed: Drop Rod and Gate Latch

    a. Install drop rod to a galvanized 12" long "U" channel receiver securely positioned in the pavement. Position receiver directly below the drop rod in the closed position, parallel to the closed gate, and flush with the pavement. Provide locking latch as previous specified requiring 1 padlock for locking both gate leaves. Padlock provided by owner.

    b. Where no paved surface is available, install a drop rod foundation similar to the in design to a corner post foundation and sized to accept the "U" Channel as described above.

2. Gate Open: Hinge Stop, Drop Rod and Line Post required at fully open position (± 180°)

    a. Install drop rod with locking hasp and a galvanized 12" long "U" channel securely positioned in the pavement, directly below the drop rod in the open position, parallel to the fence line and flush with the paved surface. Ensure a line post coincides with the free end of gate leaf in the fully open position for chain and lock. Do not chain the gate to a horizontal bar. Furnish Stainless Steel chain and lock requiring 1 padlock for locking each gate leaf. padlock provided by owner. Padlock size to be compatible with locking hasp on drop rod.

    b. Where no pavement or line post is available, install a drop rod foundation similar to the in design to a corner post foundation and sized to accept the "U" Channel as described above.

3.4 ADJUSTING

A. Fence and accessories shall be installed in strict accordance with the Drawings and Specifications in a workmanlike manner. Finished fence shall be in proper alignment with posts plumb, and fabric, tension and barb wires taut.

3.5 CLEANING

A. Fence installation will not be considered complete until excess excavated materials, cut wires, spilled concrete, and other debris, including the existing fence to be removed, resulting from the fence construction, is removed and legally disposed of off the Owner's property.

END OF SECTION 323113