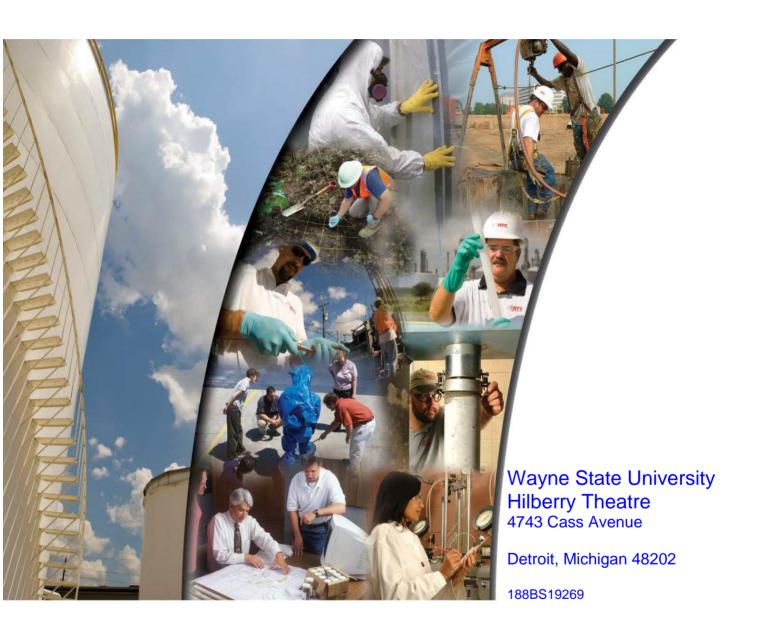
# Asbestos and Lead Containing Paint Survey Report



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# **Executive Summary**

ATC Group Services LLC (ATC) was contracted by Wayne State University to provide professional environmental services associated with the planned renovation of the Hilberry Theatre located at Wayne State University's Main Campus in Detroit, Michigan. The professional environmental services conducted by ATC included: performing a pre-renovation asbestos survey and collecting paint chip samples for lead analysis that may be disturbed during the renovation activities.

#### **Asbestos Survey**

ATC licensed asbestos inspector performed an asbestos containing building materials (ACBM) survey of the Hilberry Theatre prior to the start of the planned renovation activities in accordance with Part 602, the Michigan Occupational Safety and Health Administration (MIOSHA) Asbestos Standard for Construction, and NESHAP (Title 40, Part 61, Subpart M) requirements. The ACM survey identified ACBM and presumed asbestos containing materials (PACM).

Two hundred and one (201) samples, taken from one hundred and four (104) homogenous areas, were collected and submitted for laboratory analysis by polarized-light microscopy. Of the two hundred and one (201) samples submitted, two hundred and thirty three (233) sample layers were analyzed. Based on the laboratory results, fifteen (15) of the materials sampled were found to be ACBM. Additionally, due to accessibility issues fifteen (15) homogenous areas were considered PACM.

Section 61.145(c) of the Asbestos NESHAP requires that each owner or operator of a demolition or renovation activity involving regulated asbestos containing materials (RACM), remove all such material from a facility being demolished or renovated before any activity begins that would break up, dislodge, or similarly disturb the material or preclude access to the material for subsequent removal.

Michigan Public Act 135,P.A. 1986, as amended requires Licensed Asbestos Abatement Contractor to perform abatement of ACBMs and PACMs in accordance with Abatement Specifications, Part 602 (MIOSHA Asbestos Standard for Construction) and NESHAP (Title 40, Part 61,Subpart M) requirements.

The National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61, Subpart M requires licensed asbestos abatement contractor to submit notification of abatement ten (10) working days prior to renovation or demolition activity for asbestos materials when quantities of Regulated Asbestos-Containing Materials (RACM) are greater than two hundred and sixty (260) linear feet or one hundred and sixty (160) square feet.

The Department of Licensing and Regulatory Affairs (Michigan OSHA) through P.A 135 of 1986 requires licensed asbestos abatement contractor to submit notification for asbestos abatement ten (10) calendar days prior to the start of renovation or demolition activity that will disturb greater than ten (10) linear or fifteen (15) square feet.

#### **Lead Containing Paint Assessment**

Concurrent with the asbestos survey, ATC identified twenty six (26) predominant colors of paint used on interior and/or exterior surfaces at the Hilberry Theatre. Paint chip samples were collected of each of the twenty six (26) predominant paint colors identified, and submitted under COC for analysis by Flame AAS. The results of laboratory testing during the limited lead-based paint sampling conducted at the property indicate that twenty-four (24) of the twenty-six (26) samples contained levels of lead greater than the method of detection limit of 0.01%. Additionally, nine (9) of the twenty-six (26) samples contained lead greater than 0.5% lead by weight and are considered lead based paints.

Renovation Contractor(s) must be notified by the Owner, prior to the start of renovation activities that detectable levels of lead were identified in some of the painted surfaces sampled, and that all work must be completed in accordance with the United States, Occupational Safety and Health Administration's (OSHA) Lead Standard for the Construction Industry, Title 29 Code of Federal Regulations 1926.62, as amended on March 26, 2012 and Michigan Occupational Safety and Health Act (MIOSHA) Part 603, "Lead Exposure in Construction".

# **Table of Contents**

Exe	cutive	Summary	III
1	Intro	duction	5
	1.1	Purpose	5
	1.2	Pre-Renovation Asbestos Survey	5
	1.3	Lead Containing Paint Assessment	5
2	Gene	eral Site Conditions	6
	2.1	General Property and Building Information	6
	2.2	Exterior Finish Descriptions	6
	2.3	Interior Building Descriptions	6
3	Pre-F	Renovation Asbestos Survey	7
	3.1	Homogeneous Areas	7
	3.2	Hazard Assessment Factors	7
	3.3	Laboratory Analytical Methodology	7
	3.4	Sampling Results	7
4	Limit	ed Lead-Containing Paint Chip Sampling	14
5	Cond	lusions and Recommendations	15
	5.1	Asbestos-Containing Materials	15
	5.2	Lead-Based Paint	15
6	Assu	mptions and Limitations	16
Tal	bles		
Table	e 2-1	General Property and Building Information	6
Table	e 3-4	HA Summary Table	8
Table	e 4-1	Paint Chip Sampling Results	14
Ар	penc	lices	
Appe	endix A	ASBESTOS LABORATORY REPORTS	
Appe	endix B	BUILDING SUMMARY BY FUNCTIONAL SPACE	
Appe	endix C	PAINT CHIP LEAD ANALYSIS LABORATORY REPORT	
Арре	endix D	QUALIFICATIONS	

# 1 Introduction

# 1.1 Purpose

The purpose of this project was to conduct a pre-renovation asbestos survey and lead containing paint chip assessment at the Hilberry Theatre located at 4743 Cass Avenue, Detroit, Wayne County, Michigan. The survey was conducted in accordance with ATC's written proposal dated April 18, 2019.

## 1.2 Pre-Renovation Asbestos Survey

The scope of the pre-renovation asbestos survey included the following:

- > Reviewing existing asbestos reports for the subject building, if available;
- > Identification of accessible suspect asbestos-containing materials (ACMs);
- > Collection of bulk samples for PLM analysis of suspect friable and non-friable materials; and
- > Describing types, locations and estimated quantities of identified ACM and PACM.

## 1.3 Lead Containing Paint Assessment

The scope of the limited lead-containing paint chip sampling included the following:

- > Identifying paint coatings that were deemed representative of the predominant paint coatings used at the subject building;
- > Collection of paint chip samples from selected interior and exterior surfaces for lead analysis; and
- > Summarizing results of paint chip sample lead analysis.

# 2 General Site Conditions

# 2.1 General Property and Building Information

General property and building information is presented in the following table:

Table 2-1 General Property and Building Information

Date of Inspection:	May 20 – 24, 2019
Inspector	Ryan Rae, Inspector Number A35966
Property Address:	4743 Cass Avenue, Detroit, Michigan 48202
Parcel Number(s):	NA
Property Owner	Wayne State University
Property Owner Address	5700 Cass Avenue, Suite 4200, Detroit, Michigan 48202
Property Owner Telephone No.	NA
Building Construction Date:	NA
Date(s) of Significant Renovations:	NA
Building Description:	Two Story Theatre
Building Square Footage (Approximate):	30,000

# 2.2 Exterior Finish Descriptions

The Hilberry Theatre is currently an occupied theatre complex. The subject building is constructed of stone and features a basement with a flat and sloped roof. Exterior finishes include sand stone block, metal and glass.

# 2.3 Interior Building Descriptions

The interior of the subject building consists of a theatre, dressing rooms, offices and other ancillary rooms. Interior finishes include: drywall; plaster; ceiling panels and tiles; ceramic tile and terrazzo flooring. The property building is heated by boilers and radiant heating.

# 3 Pre-Renovation Asbestos Survey

ATC representative Mr. Ryan Rae conducted the pre-renovation asbestos inspection of the subject building from May 20 – 24, 2019. Mr. Rae is a State of Michigan Certified Asbestos Inspector (Certification No. A35966). The subject was visually inspected for the presence of building materials that are suspected to contain asbestos. Bulk samples of suspect ACMs were collected and placed into individual containers for transport under COC, to a National Voluntary Lab Accreditation Program (NVLAP)-accredited laboratory for polarized-light microscopy analysis. Materials typically known as non-asbestos items (i.e. fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos inspection consisted of the following three basic procedures:

- > Conducting a visual inspection of the structures;
- > Identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and
- > Sampling accessible, friable and non-friable suspect materials.

#### 3.1 Homogeneous Areas

Prior to collecting any samples, homogenous areas (HAs) were identified. A homogeneous sampling area can be described as one or more areas of material that are similar in appearance and texture and that have the same apparent installation date, appearance and function. Actual number of samples collected from each homogeneous sampling area may vary, based on the type of material and professional opinion of the inspector. One hundred and four (104) total HAs were identified in this inspection and are summarized in **Table 3-4**, **HA Summary Table**.

#### 3.2 Hazard Assessment Factors

From the list of suspect homogeneous areas, a physical assessment was performed for each material on the list. A physical assessment includes evaluating the condition, assessing the potential for disturbance, and determining the friability of each material. By definition, "friable" materials are those that can be crumbled or reduced to powder by hand pressure when dry. Each material identified was further classified into one of three categories: surfacing materials, thermal systems insulation (TSI) and miscellaneous materials. Each of the three categories have specific sampling requirements, outlined below.

- > Surfacing Materials: Refers to spray-applied or troweled surfaces such as plaster ceilings and walls, fireproofing, textured paints, textured plasters, and spray-applied acoustical surfaces.
- > Thermal System Insulation: Refers to insulation used to inhibit heat gain or loss on pipes, boilers, tanks, ducts, and various other building components.
- > Miscellaneous Materials: Refers to friable and non-friable products and materials that do not fit in any of the above two categories such as resilient floor covering, baseboards, mastics, adhesives, roofing material, caulking, glazing, and siding. This category also contains wallboard and ceiling tile.

#### 3.3 Laboratory Analytical Methodology

Bulk samples were analyzed by Environmental Testing Laboratories Inc. 38900 Huron River Drive, Romulus, Michigan 48174, using polarized-light microscopy (PLM) and dispersion staining (Method Reference: 40 CFR Part 763, Volume 47, No. 103, May 27, 1982 pg. 23376). This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP #201028-0), a quality assurance program for PLM analysis, and is accredited by the National Institute of Standards and Technology (NIST) as well as accreditation requirements under 15 CFR Part 25.

#### 3.4 Sampling Results

Bulk samples were collected from the subject building and analyzed by PLM utilizing EPA Method 600/R-93/116. Two hundred and one (201) samples taken from one hundred and four (104) homogenous areas, were collected and submitted for analysis by PLM. Fifteen (15) of the materials sampled were found to contain concentrations of

asbestos greater than 1 percent (<1%). Fifteen (15) homogenous areas were considered assumed to contain asbestos due to accessibility issues and should be tested for asbestos content prior to disturbance of those materials.

Due to the destructive nature of the sampling method, materials associated with the roofing system were not sampled and are assumed to contain asbestos. Additionally, limited access to the attic cat walk system prevented the entire space from being surveyed.

Identified ACM, Non-ACM and PACM are summarized in the Table 3-4 (below).

Table 3-4 HA Summary Table

Sample ID	Sample Description	Location of Materials	Estimated Quantity	Asbestos Content
1-1,2	12"x12" Floor Tile; Black with White Fleck; W/ Adhesive	Jazz Underground, Basement Shop Area	1,448 SF	ND
2-1,2	12"x12" Floor Tile; Purple with White Fleck; W/ Adhesive	Jazz Underground, Basement Shop Area	1,448 SF	ND
3-1,2,3,4,5,6,7	Ceiling Plaster; Smooth	Throughout	16,074 SF	ND
4-1,2,3,4,5,6,7	Wall Plaster; Smooth	Throughout	33,243 SF	ND
5-1,2	4" Cove base; Black; W/ Adhesive	Jazz Underground, Coat Check, 1st Floor Corridor, Lift Controls Room	148 SF	ND
6-1,2	1'x1' Ceiling Tile; Swirl Pattern	Lower Level Lobby	350 SF	ND
HA #7	Light Fixture Heat Shield	Throughout	20 SF	Assumed
8-1,2	Carpet Adhesive; Yellow/Tan	Lower Level Lobby, Coat Check, Box Office, Office	728 SF	ND
9-1,2	Residual Mastic; Black (1)	Lower Level Lobby	350 SF	ND
10-1,2,3	Fabric Covered Wallboard Panels	Lower Level Lobby	96 SF	ND
11-1,2	Door Caulk; Beige; Hard; Brittle	Various Rooms Throughout	1,305 LF	2% Chrysotile
12-1,2,3	Wallboard System	Throughout Lower Level	748 SF	ND
13-1,2,3	Pipe Insulation; "Mag"	Throughout Building; Assumed Behind Walls and Above Ceilings, Attic	551 LF	20% Chrysotile 5% Crocidolite
14-1,2,3	Pipe Fitting; Mudded; Associated with HA 13	Throughout Building; Assumed Behind Walls and Above Ceilings, Attic	61 LF	15% Chrysotile
15-1,2	Interior Caulk; Beige; Along Trim	Various Rooms Through Out	2,022 LF	2% Chrysotile
16-1,2	Residual Mastic; Black (2)	Lower Level Janitors Closet	10 SF	ND
17-1,2	Terrazzo; Brown w/ Tan and White Aggregate	Various Rooms Through Out	10,378 SF	ND

Sample ID	Sample Description	Location of Materials	Estimated Quantity	Asbestos Content
18-1,2,3	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	Lower Level Stairwell & Corridors	595 SF	30% Chrysotile
19-1,2,3	Pipe Insulation; "Air Cell"	Throughout Building; Assumed Behind Walls and Above Ceilings, Attic	732 LF	25% Chrysotile
20-1,2,3	Pipe Fitting; Mudded; Associated with HA 20	Throughout Building; Assumed Behind Walls and Above Ceilings, Attic	96 LF	40% Chrysotile
21-1,2	Interior Caulk; Off White; Around Sinks/Toilets	Bathrooms Throughout	156 LF	ND
HA #22	Omitted	NA	NA	NA
23-1,2	Residual Mastic; Black (3)	Lower Level Corridor	445 SF	ND
24-1,2	Stair Tread; Black; Sanded Texture	Stairwells	63 SF	ND
25-1,2	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	Throughout Lower Level	597 SF	ND
26-1,2	4" Cove Base; Black; Hard/Brittle; w/ Mastic	Throughout Lower Level	162 SF	ND
HA #27	12"x24" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	1 <sup>st</sup> Floor Lobby	16 SF	Assumed
HA #28	Fire Brick; 1.5"x8"; Tan/Brown	1 <sup>st</sup> Floor Lobby	16 SF	Assumed
HA #29	Fire Place Surround; Mortar/Grout	1 <sup>st</sup> Floor Lobby	60 SF	Assumed
30-1,2	Marble Adhesive/Grout; Stairwell Steps; White	1 <sup>st</sup> Floor Lobby	36 SF	ND
31-1,2	Interior Caulk; Off White; Along Decorative Trim	Throughout 1 <sup>st</sup> Floor and Main Stairwells	451 LF	ND
HA #32	16"x16" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	1 <sup>st</sup> Floor Lobby	420 SF	Assumed
33-1,2	Carpet Adhesive; Yellow; Sticky	1 <sup>st</sup> Floor Lobby	3,000 SF	ND
HA #34	1"x1" Tile Mosaic; Grout/Mortar	Various Rooms Throughout	355 SF	Assumed
35-1,2	2'x4' Ceiling Panel; Pinhole/ Long Crevasse	1 <sup>st</sup> Floor Janitors Closet	64 SF	ND
36-1,2,3	Trowelled On Material; Plaster Patch; White	1 <sup>st</sup> Floor Janitors Closet	3 SF	ND
HA #37	12"x12" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	1 <sup>st</sup> Floor Unisex Bathroom	65 SF	Assumed

Sample ID	Sample Description	Location of Materials	Estimated Quantity	Asbestos Content
38-1,2	2'x2' Ceiling Panel; Rough Texture; Recessed	1 <sup>st</sup> Floor Unisex Bathroom	65 SF	ND
39-1,2,3	Wallboard System (2)	Various Rooms Throughout	1,740 SF	ND
HA #40	Mirror Adhesive	1 <sup>st</sup> Floor Unisex Bathroom, 2 <sup>nd</sup> Floor Dressing Rooms	20 SF	ND
41-1,2	Interior Caulk; Beige; Around Window Trim	Various Rooms Throughout	905 LF	ND
HA #42	Omitted	NA	NA	NA
HA #43	Omitted	NA	NA	NA
44-1,2	HVAC Fabric; Canvas; Black/Green	Mechanical Rooms Throughout	30 SF	ND
45-1,2,3	Radiator Backing Material (Under Top of Shroud)	Various Rooms Throughout	152 SF	30% Chrysotile
46-1,2,3	Pipe Insulation; Foil Wrapped Fiberglass	Various Rooms Throughout	335 LF	ND
47-1,2,3	Pipe Fitting; Mudded; Associated w/ HA 46	Various Rooms Throughout	66 LF	ND
48-1,2,3	Trowelled on Material; Tan/Gray; Around Penetrations	1 <sup>st</sup> Floor Mechanical Room	8 SF	ND
49-1,2	12"x12" Floor Tile; Off White w/ Black Specks w/ Adhesive	1 <sup>st</sup> Floor Elevator Room	63 SF	ND
50-1,2	Residual Mastic; Black (4)	1 <sup>st</sup> Floor Box Office	333 SF	ND
51-1,2	Wallboard (No System)	1 <sup>st</sup> Floor Furnace Room	100 SF	ND
HA #52	Construction Adhesive/Caulk; Beige	1 <sup>st</sup> Floor Furnace Room	2 SF	Assumed
53-1,2	2'x2' Ceiling Panel; Pinhole/Pockmark; Light Texture	2 <sup>nd</sup> Floor Women's Room, 2 <sup>nd</sup> Floor Lounge	1,863 SF	ND
54-1,2	Gray Stone Wall Panel Grout; White	Men's and Women's Bathrooms	4 SF	ND
HA #55	Gray Stone Wall Panel Adhesive	Men's and Women's Bathrooms	48 SF	ND
56-1,2	Door Caulk; White; Semi- Pliable	Various Rooms Throughout	834 LF	ND
57-1,2	Fabric Wall Covering	Upper Balcony Seating	600 SF	ND
58-1,2,3,4,5	Decorative Plaster	Upper Balcony Seating	450 SF	ND

Sample ID	Sample Description	Location of Materials	Estimated Quantity	Asbestos Content
HA #59	Ceiling Plaster; Theatre Ceiling	Theatre	3,650 SF	Assumed
HA #60	Wall Panel Adhesive	Men's Rooms	24 SF	Assumed
61-1,2	Window Wall System Glaze	Men's Room	48 LF	ND
62-1,2,3	Corrugated Paper Debris	Upper Balcony Seating	3 SF	30% Chrysotile
63-1,2,3	Textured Plaster Wall/Ceiling; Bumpy	2 <sup>nd</sup> Floor South East Stairwell	400 SF	ND
64-1,2,3	Textured Concrete	Organ Loft	1,840 SF	ND
65-1,2	Cementitious Material	Rear Stairwells, 1 <sup>st</sup> Floor Janitors Closet	238 SF	ND
66-1,2	Carpet Adhesive; Yellow/Orange	1 <sup>st</sup> Floor Corridor	308 SF	ND
67-1,2,3	Textured Plaster; Ceiling; Swirls	1 <sup>st</sup> Floor Storage Room	91 SF	ND
HA #68	Fire Door	Lower Level Stairwell	2 Each	Assumed
69-1,2	Interior Door Caulk; White; Metal Doors	Mechanical Room, Boiler Room, South West Stairwell	64 LF	ND
70-1,2	Brick Mortar; Gray; Associated w/ Red Brick	Mechanical Room, Boiler Room	600 SF	ND
71-1,2	CMU Mortar	Mechanical Room	240 SF	ND
72-1,2	Fire Stop Caulk; Red	Mechanical Room, Boiler Room	12 SF	ND
HA #73	Boiler Internals/Gaskets	Boiler Room	3 Each	Assumed
74-1,2,3	Boiler Exhaust Insulation	Boiler Room	45 LF	ND
75-1,2	Interior Caulk; Beige; Around Boiler Exhaust Penetration	Boiler Room	12 LF	ND
HA #76	Surge Protector	Mechanical Room	2 SF	Assumed
77-1,2,3	Duct Insulation; Canvas Wrapped w/ Mudded Layer	Mechanical Room	210 SF	30% Chrysotile
78-1,2,3	Trowelled on Material; White; Wall Patches	Mechanical Room	10 SF	ND
79-1,2,3	Trowelled on Material; Gray; Vent to Wall	Mechanical Room	3 SF	ND

Sample ID	Sample Description	Location of Materials	Estimated Quantity	Asbestos Content
HA #80	HVAC Vibration Material; White; Above Fan Unit	Mechanical Room	4 SF	Assumed
81-1,2	Duct Tape; Black/Brown	Mechanical Room	3 SF	ND
82-1,2	Stone Stair Mortar; White	South East Stairwell	3 SF	ND
83-1,2,3	Insulation Material; White; Behind Metal Screening	1 <sup>st</sup> Floor Mechanical Room	1,000 SF	ND
84-1,2	2'x2' Ceiling Panel; Pockmark/Pinhole	Lounge	36 SF	ND
85-1,2	Sink Undercoating	Lounge	6 SF	ND
86-1,2,3	Insulation Material; White; Fibrous	Attic	UNQ	ND
87-1,2	Carpet Glue; Theatre	Theatre	1,200 SF	ND
88-1,2,3	Concrete; Radiator Housing Base	Theatre	600 SF	ND
89-1,2,3,4,5	Plaster Skim Coat; Radiator Housing	Theatre	1,100 SF	ND
901,2,3	Textured Paint; Perforated Wall Panel	Theatre	3,000 SF	ND
91-1,2	Exterior Caulk; Beige On Brick Seams	Exterior of Building	650 LF	ND
92-1,2	Door Caulk; Beige; Steel Doors	Exterior of Building	30 LF	ND
93-1,2	Window Glaze; Black; Steel Doors	Exterior of Building	18 LF	ND
94-1,2	Brick Mortar; Tan/Gray (Main Mortar)	Exterior of Building	UNQ	ND
95-1,2	Vent Caulk; Gray	Exterior of Building	26 LF	ND
96-1,2	Window Glaze; 2 & 3 Pane Windows	Exterior of Building	242 LF	2% Chrysotile
97-1,2	Exterior Window Caulk; Along Leaded Glass Windows	Exterior of Building	800 LF	3% Chrysotile
98-1,2	Window Glaze; Beige; Leaded Glass Windows	Exterior of Building	728 LF	3% Chrysotile
99-1,2	Water Proofing; Black	Exterior of Building	UNQ	ND
100-1,2	Brick Mortar; Associated w/ Sandstone Blocks	Exterior of Building	UNQ	2% Chrysotile

Sample ID	Sample Description	Location of Materials	Estimated Quantity	Asbestos Content
101-1,2	Door Caulk; Gray; Main Entry Doors	Exterior of Building	125 LF	ND
102-1,2	Exterior Caulk; White (East Steps)	Exterior of Building	210 LF	ND
103-1,2	Window Glaze; Basement Windows	Exterior of Building	24 LF	ND
104-1,2	Exterior Window Caulk; Basement Windows	Exterior of Building	156 LF	2% Chrysotile
HA #105	Roofing Materials	Roof	UNQ	Assumed
HA #106	Sub-grade Waterproofing Material	Sub-grade Foundation	UNQ	Assumed
HA #107	Electrical Panels	Mechanical Room	UNQ	Assumed
NAD: No Asbestos Dete	ected SF/LF: square	feet/linear feet	VFT: Vinyl Floor 1	Γile
NA: Not Applicable	M: Miscellaneo	us	S: Surfacing	
TSI: Thermal System In	TSI: Thermal System Insulation PACM: Presum		UNQ: Not Quantif	ied
		NESHAP		
RACM: Regulated ACM	Cat. I: Catego	y I Non-Friable ACM	Cat. II: Category I	l Non-Friable ACM

Inaccessible areas encountered during the inspection included: the sub-grade foundation; interior components of electrical panels and transformers; areas located above hard plaster ceilings or ceilings that consisted of glued on ceiling tiles and wallboard substrate where no access hatches were installed; interior of all HVAC duct work; CMU and glazed block wall cavities, below/within concrete floor slabs, roof and portions of the attic.

In the event additional suspect material is discovered during renovation 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.

# 4 Limited Lead-Containing Paint Chip Sampling

A limited lead containing paint survey was conducted of readily accessible interior and exterior building areas by ATC representative Mr. Ryan Rae. The LBP survey was completed concurrently with the asbestos survey and included physical sampling of paint coatings that were deemed representative of the predominant paint coatings observed within the building. LBP, as defined by the EPA is paint with a lead concentration of greater than or equal to 0.5% lead by weight.

Twenty six (26) paint chip samples were collected from twenty six (26) homogeneous interior/exterior areas and submitted to Accurate Analytical Testing, LLC. in Romulus, Michigan for lead analysis. Bulk samples were analyzed using the Environmental Protection Agency's Test Method SW 846 -3050B and 7420 using Flame AAS to determine lead concentration in percent (%) by weight.

The following table provides a summary of the paint chip analytical results:

Table 4-1 Paint Chip Sampling Results

ter Ceiling Det ater Wall ster Wall ster Wall or Jamb crete Floor ood Trim ter Ceiling Det ster Wall Stair Riser crete Floor	teriorated teriorated Intact	Purple Black Off White Light Blue Medium Blue Medium Brown Brown Light Gray Light Tan Off White Black Gray Greenish Gray	0.2198 0.1095 1.6788 <0.0040 0.1083 <0.0024 0.0079 1.6057 0.6449 1.7619 0.2637 0.0085
ater Wall aster Wall aster Wall bor Jamb crete Floor bod Trim ter Ceiling Stair Riser crete Floor bod Trim	Intact	Off White Light Blue Medium Blue Medium Brown Brown Light Gray Light Tan Off White Black Gray	1.6788 <0.0040 0.1083 <0.0024 0.0079 1.6057 0.6449 1.7619 0.2637 0.0085
aster Wall ater Wall or Jamb crete Floor od Trim ter Ceiling ster Wall Stair Riser crete Floor od Trim	Intact	Light Blue Medium Blue Medium Brown Brown Light Gray Light Tan Off White Black Gray	<0.0040 0.1083 <0.0024 0.0079 1.6057 0.6449 1.7619 0.2637 0.0085
ater Wall bor Jamb crete Floor bod Trim ter Ceiling ster Wall Stair Riser crete Floor bod Trim	Intact Intact Intact Intact Intact teriorated Intact Intact Intact Intact Intact	Medium Blue Medium Brown Brown Light Gray Light Tan Off White Black Gray	0.1083 <0.0024 0.0079 1.6057 0.6449 1.7619 0.2637 0.0085
oor Jamb crete Floor ood Trim ter Ceiling Det ster Wall Stair Riser crete Floor ood Trim	Intact Intact Intact teriorated Intact Intact Intact Intact Intact Intact	Medium Brown Brown Light Gray Light Tan Off White Black Gray	<0.0024 0.0079 1.6057 0.6449 1.7619 0.2637 0.0085
crete Floor bood Trim ter Ceiling Det ster Wall Stair Riser crete Floor bood Trim	Intact Intact teriorated Intact Intact Intact Intact Intact	Brown Light Gray Light Tan Off White Black Gray	0.0079 1.6057 0.6449 1.7619 0.2637 0.0085
ood Trim ter Ceiling Det ster Wall Stair Riser crete Floor ood Trim	Intact teriorated Intact Intact Intact Intact	Light Gray Light Tan Off White Black Gray	1.6057 0.6449 1.7619 0.2637 0.0085
ter Ceiling Det ster Wall Stair Riser crete Floor pod Trim	teriorated Intact Intact Intact Intact Intact	Light Tan Off White Black Gray	0.6449 1.7619 0.2637 0.0085
ster Wall Stair Riser crete Floor ood Trim	Intact Intact Intact Intact	Light Tan Off White Black Gray	1.7619 0.2637 0.0085
Stair Riser crete Floor ood Trim	Intact Intact Intact	Black Gray	0.2637 0.0085
crete Floor ood Trim	Intact Intact	Gray	0.0085
ood Trim	Intact		
			0.0797
			0.0787
AC Duct	Intact	Beige	0.2328
ster Wall Det	teriorated	Light Yellow	7.1879
Stair Riser	Intact	White	0.1651
ster Wall	Intact	Peach	0.0013
crete Floor	Intact	Green	9.5366
azzo Floor	Intact	Gray	7.1038
ster Wall Det	teriorated	Dark Green	3.1437
ster Wall Det	teriorated	Green	4.2236
low Frame Det	teriorated	Tan	0.3898
ppy Frame	Intact	Green	0.0032
I Hand Rail	Intact	Black	0.2446
	Intact	Gray	0.0062
crete Wall			0.0077
	ppy Frame Hand Rail crete Wall	ppy Frame Intact Hand Rail Intact crete Wall Intact	ppy Frame Intact Green Hand Rail Intact Black

Lead was detected above the laboratory detection limit in 24 of the 26 samples. Additionally, 9 of the 26 samples were found to contain lead in excess of 0.5% lead content by weight and are considered lead based paint. Laboratory results of the paint chip sampling are included in **Appendix B**.

# 5 Conclusions and Recommendations

## 5.1 Asbestos-Containing Materials

The results of laboratory testing during the pre-renovation asbestos survey conducted at the property indicate that fifteen (15) of the materials sampled were found to contain asbestos. Additionally, fifteen (15) materials were presumed to contain asbestos.

Non-friable ACM's shall not be subjected to abrasion, grinding, sanding or any other processes during renovation activities which will render these non-friable materials friable.

Based on the NESHAP (National Emission Standards for Hazardous Air Pollutants) non-friable Category I ACM and Category I non-friable PACM roofing materials that are asphalt/tar based can be demolished with a building so long as it is in good condition and will not be cut, pounded, sanded, or grinded during demolition, and that measures are taken to ensure that it does not become friable, at which point will be considered RACM. This material can also be disposed off-site in a Class III, construction and demolition (C&D) debris, landfill within the framework of local/state regulations. In addition all roofing materials shall not be recycled if they contain Category I ACM.

#### 5.2 Lead-Based Paint

The results of laboratory testing during the limited lead-based paint sampling conducted at the property indicate that twenty-four (24) of the twenty-six (26) samples contained levels of lead greater than the method of detection limit of 0.01%. Additionally, nine (9) of the twenty-six (26) samples contained lead greater than 0.5% lead by weight and are considered lead based paints.

The presence of LBP requires, under OSHA 1926.62 requirements, that the contractor performing demolition, surface preparation, and other activities that impact or potentially impact on the LBP coating systems, evaluate potential worker exposures to airborne lead. This evaluation can be based, for the specific activities denoted in 1926.62, on objective data obtained by the contractor on other, similar, worksites within the prior calendar year. In addition, LBP and LBP coated waste and construction debris must be evaluated and, on a case-by-case basis depending on this evaluation, quantitative analysis be performed on these waste steams to ensure compliance with EPA waste disposal regulations.

The presence of LBP does not, in itself, trigger regulatory compliance actions. However, when these materials are disturbed, the requirements of OSHA (1926.1101) and EPA may become operative. Appropriate actions in terms of removal methods, emissions control, worker protection, and waste disposal should be considered by the general contractor and applicable subcontractors while completing demolition activities.

# 6 Assumptions and Limitations

The results, findings, conclusions, and recommendations expressed in the report are based only on conditions that were noted during the NESHAP inspection conducted on May 20-24, 2019 performed by ATC. Selection of sample locations and frequency of sampling were based on EPA Guidance documents, ATC observations, and the assumption that building vintage and renovation history information presented to ATC allowed the proper designation of homogenous materials for each building.

This document does not contain the elements necessary for an Abatement Workplan, and this document does not contain, nor should it take the place of technical specifications for ACM or LBP removal.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against changes to material from future operations or conditions, nor does it warrant against operations or conditions against present ACM material or LBP in locations not investigated.

The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

Hilberry Theatre Renovation



# Hilberry Theatre Renovation

# APPENDIX A ASBESTOS LABORATORY REPORTS



38900 Huron River Drive, Suite 200 Romulus, Michigan 48174 (734) 955-6600

S: 201

L: 32

Fax: (734) 955-6604

To: ATC Group Services LLC - Novi ETL Job: 222393 46555 Humboldt Dr. Suite 100

Novi, Michigan 48377 Client Project: 188BS19269

Report Date: 6/4/2019

Attention: Robert Smith

Project Location: WSU - Hilberry Theatre

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037188	1-1	Asbestos PLM	06/03/2019
1037189	1-2	Asbestos PLM	06/03/2019
1037190	2-1	Asbestos PLM	06/03/2019
1037191	2-2	Asbestos PLM	06/03/2019
1037192	3-1	Asbestos PLM	06/03/2019
1037193	3-2	Asbestos PLM	06/03/2019
1037194	3-3	Asbestos PLM	06/03/2019
1037195	3-4	Asbestos PLM	06/03/2019
1037196	3-5	Asbestos PLM	06/03/2019
1037197	3-6	Asbestos PLM	06/03/2019
1037198	3-7	Asbestos PLM	06/03/2019
1037199	4-1	Asbestos PLM	06/03/2019
1037200	4-2	Asbestos PLM	06/03/2019
1037201	4-3	Asbestos PLM	06/03/2019
1037202	4-4	Asbestos PLM	06/03/2019
1037203	4-5	Asbestos PLM	06/03/2019
1037204	4-6	Asbestos PLM	06/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037205	4-7	Asbestos PLM	06/03/2019
1037206	5-1	Asbestos PLM	06/03/2019
1037207	5-2	Asbestos PLM	06/03/2019
1037208	6-1	Asbestos PLM	06/03/2019
1037209	6-2	Asbestos PLM	06/03/2019
1037211	8-1	Asbestos PLM	06/03/2019
1037212	8-2	Asbestos PLM	06/03/2019
1037213	9-1	Asbestos PLM	06/03/2019
1037214	9-2	Asbestos PLM	06/03/2019
1037215	10-1	Asbestos PLM	06/03/2019
1037216	10-2	Asbestos PLM	06/03/2019
1037217	10-3	Asbestos PLM	06/03/2019
1037218	11-1	Asbestos PLM	06/03/2019
1037219	11-2	Asbestos PLM	06/03/2019
1037220	12-1	Asbestos PLM	06/03/2019
1037221	12-2	Asbestos PLM	06/03/2019
1037222	12-3	Asbestos PLM	06/03/2019
1037223	13-1	Asbestos PLM	06/03/2019
1037224	13-2	Asbestos PLM	06/03/2019
1037225	13-3	Asbestos PLM	06/03/2019
1037226	14-1	Asbestos PLM	06/03/2019
1037227	14-2	Asbestos PLM	06/03/2019
1037228	14-3	Asbestos PLM	06/03/2019
1037229	15-1	Asbestos PLM	06/03/2019
1037230	15-2	Asbestos PLM	06/03/2019
1037231	16-1	Asbestos PLM	06/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037232	16-2	Asbestos PLM	06/03/2019
1037233	17-1	Asbestos PLM	06/03/2019
1037234	17-2	Asbestos PLM	06/03/2019
1037235	18-1	Asbestos PLM	06/03/2019
1037236	18-2	Asbestos PLM	06/03/2019
1037237	18-3	Asbestos PLM	06/03/2019
1037238	19-1	Asbestos PLM	06/03/2019
1037239	19-2	Asbestos PLM	06/03/2019
1037240	19-3	Asbestos PLM	06/03/2019
1037241	20-1	Asbestos PLM	06/03/2019
1037242	20-2	Asbestos PLM	06/03/2019
1037243	20-3	Asbestos PLM	06/03/2019
1037244	21-1	Asbestos PLM	06/03/2019
1037245	21-2	Asbestos PLM	06/03/2019
1037247	23-1	Asbestos PLM	06/03/2019
1037248	23-2	Asbestos PLM	06/03/2019
1037249	24-1	Asbestos PLM	06/03/2019
1037250	24-2	Asbestos PLM	06/03/2019
1037251	25-1	Asbestos PLM	06/03/2019
1037252	25-2	Asbestos PLM	06/03/2019
1037253	26-1	Asbestos PLM	06/03/2019
1037254	26-2	Asbestos PLM	06/03/2019
1037258	30-1	Asbestos PLM	06/03/2019
1037259	30-2	Asbestos PLM	06/03/2019
1037260	31-1	Asbestos PLM	06/03/2019
1037261	31-2	Asbestos PLM	06/03/2019

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Lab Sample Number	Client Sample Number	Sample Type	Completed
1037263	33-1	Asbestos PLM	06/03/2019
1037264	33-2	Asbestos PLM	06/03/2019
1037266	35-1	Asbestos PLM	06/03/2019
1037267	35-2	Asbestos PLM	06/03/2019
1037268	36-1	Asbestos PLM	06/03/2019
1037269	36-2	Asbestos PLM	06/03/2019
1037270	36-3	Asbestos PLM	06/03/2019
1037272	38-1	Asbestos PLM	06/03/2019
1037273	38-2	Asbestos PLM	06/03/2019
1037274	39-1	Asbestos PLM	06/03/2019
1037275	39-2	Asbestos PLM	06/03/2019
1037276	39-3	Asbestos PLM	06/03/2019
1037278	41-1	Asbestos PLM	06/03/2019
1037279	41-2	Asbestos PLM	06/03/2019
1037282	44-1	Asbestos PLM	06/03/2019
1037283	44-2	Asbestos PLM	06/03/2019
1037284	45-1	Asbestos PLM	06/03/2019
1037285	45-2	Asbestos PLM	06/03/2019
1037286	45-3	Asbestos PLM	06/03/2019
1037287	46-1	Asbestos PLM	06/03/2019
1037288	46-2	Asbestos PLM	06/03/2019
1037289	46-3	Asbestos PLM	06/03/2019
1037290	47-1	Asbestos PLM	06/03/2019
1037291	47-2	Asbestos PLM	06/03/2019
1037292	47-3	Asbestos PLM	06/03/2019
1037293	48-1	Asbestos PLM	06/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037294	48-2	Asbestos PLM	06/03/2019
1037295	48-3	Asbestos PLM	06/03/2019
1037296	49-1	Asbestos PLM	06/03/2019
1037297	49-2	Asbestos PLM	06/03/2019
1037298	50-1	Asbestos PLM	06/03/2019
1037299	50-2	Asbestos PLM	06/03/2019
1037300	51-1	Asbestos PLM	06/03/2019
1037301	51-2	Asbestos PLM	06/03/2019
1037303	53-1	Asbestos PLM	06/03/2019
1037304	53-2	Asbestos PLM	06/03/2019
1037305	54-1	Asbestos PLM	06/03/2019
1037306	54-2	Asbestos PLM	06/03/2019
1037308	56-1	Asbestos PLM	06/03/2019
1037309	56-2	Asbestos PLM	06/03/2019
1037310	57-1	Asbestos PLM	06/03/2019
1037311	57-2	Asbestos PLM	06/03/2019
1037312	58-1	Asbestos PLM	06/03/2019
1037313	58-2	Asbestos PLM	06/03/2019
1037314	58-3	Asbestos PLM	06/03/2019
1037315	58-4	Asbestos PLM	06/03/2019
1037316	58-5	Asbestos PLM	06/03/2019
1037319	61-1	Asbestos PLM	06/03/2019
1037320	61-2	Asbestos PLM	06/03/2019
1037321	62-1	Asbestos PLM	06/03/2019
1037322	62-2	Asbestos PLM	06/03/2019
1037323	62-3	Asbestos PLM	06/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037324	63-1	Asbestos PLM	06/03/2019
1037325	63-2	Asbestos PLM	06/03/2019
1037326	63-3	Asbestos PLM	06/03/2019
1037327	64-1	Asbestos PLM	06/03/2019
1037328	64-2	Asbestos PLM	06/03/2019
1037329	64-3	Asbestos PLM	06/03/2019
1037330	65-1	Asbestos PLM	06/03/2019
1037331	65-2	Asbestos PLM	06/03/2019
1037332	66-1	Asbestos PLM	06/03/2019
1037333	66-2	Asbestos PLM	06/03/2019
1037334	67-1	Asbestos PLM	06/03/2019
1037335	67-2	Asbestos PLM	06/03/2019
1037336	67-3	Asbestos PLM	06/03/2019
1037338	69-1	Asbestos PLM	06/03/2019
1037339	69-2	Asbestos PLM	06/03/2019
1037340	70-1	Asbestos PLM	06/03/2019
1037341	70-2	Asbestos PLM	06/03/2019
1037342	71-1	Asbestos PLM	06/03/2019
1037343	71-2	Asbestos PLM	06/03/2019
1037344	72-1	Asbestos PLM	06/03/2019
1037345	72-2	Asbestos PLM	06/03/2019
1037347	74-1	Asbestos PLM	06/03/2019
1037348	74-2	Asbestos PLM	06/03/2019
1037349	74-3	Asbestos PLM	06/03/2019
1037350	75-1	Asbestos PLM	06/03/2019
1037351	75-2	Asbestos PLM	06/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037353	77-1	Asbestos PLM	06/03/2019
1037354	77-2	Asbestos PLM	06/03/2019
1037355	77-3	Asbestos PLM	06/03/2019
1037356	78-1	Asbestos PLM	06/03/2019
1037357	78-2	Asbestos PLM	06/03/2019
1037358	78-3	Asbestos PLM	06/03/2019
1037359	79-1	Asbestos PLM	06/03/2019
1037360	79-2	Asbestos PLM	06/03/2019
1037361	79-3	Asbestos PLM	06/03/2019
1037363	81-1	Asbestos PLM	06/03/2019
1037364	81-2	Asbestos PLM	06/03/2019
1037365	82-1	Asbestos PLM	06/03/2019
1037366	82-2	Asbestos PLM	06/03/2019
1037367	83-1	Asbestos PLM	06/03/2019
1037368	83-2	Asbestos PLM	06/03/2019
1037369	83-3	Asbestos PLM	06/03/2019
1037370	84-1	Asbestos PLM	06/03/2019
1037371	84-2	Asbestos PLM	06/03/2019
1037372	85-1	Asbestos PLM	06/03/2019
1037373	86-1	Asbestos PLM	06/03/2019
1037374	86-2	Asbestos PLM	06/03/2019
1037375	86-3	Asbestos PLM	06/03/2019
1037376	87-1	Asbestos PLM	06/03/2019
1037377	87-2	Asbestos PLM	06/03/2019
1037378	88-1	Asbestos PLM	06/03/2019
1037379	88-2	Asbestos PLM	06/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037380	88-3	Asbestos PLM	06/03/2019
1037381	89-1	Asbestos PLM	06/03/2019
1037382	89-2	Asbestos PLM	06/03/2019
1037383	89-3	Asbestos PLM	06/03/2019
1037384	89-4	Asbestos PLM	06/03/2019
1037385	89-5	Asbestos PLM	06/03/2019
1037386	90-1	Asbestos PLM	06/03/2019
1037387	90-2	Asbestos PLM	06/03/2019
1037388	91-1	Asbestos PLM	06/03/2019
1037389	91-2	Asbestos PLM	06/03/2019
1037390	92-1	Asbestos PLM	06/03/2019
1037391	92-2	Asbestos PLM	06/03/2019
1037392	93-1	Asbestos PLM	06/03/2019
1037393	93-2	Asbestos PLM	06/03/2019
1037394	94-1	Asbestos PLM	06/03/2019
1037395	94-2	Asbestos PLM	06/03/2019
1037396	95-1	Asbestos PLM	06/03/2019
1037397	95-2	Asbestos PLM	06/03/2019
1037398	96-1	Asbestos PLM	06/03/2019
1037399	96-2	Asbestos PLM	06/03/2019
1037400	97-1	Asbestos PLM	06/03/2019
1037401	97-2	Asbestos PLM	06/03/2019
1037402	98-1	Asbestos PLM	06/03/2019
1037403	98-2	Asbestos PLM	06/03/2019
1037404	99-1	Asbestos PLM	06/03/2019
1037405	99-2	Asbestos PLM	06/03/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1037406	100-1	Asbestos PLM	06/03/2019
1037407	100-2	Asbestos PLM	06/03/2019
1037408	101-1	Asbestos PLM	06/03/2019
1037409	101-2	Asbestos PLM	06/03/2019
1037410	102-1	Asbestos PLM	06/03/2019
1037411	102-2	Asbestos PLM	06/03/2019
1037412	103-1	Asbestos PLM	06/03/2019
1037413	103-2	Asbestos PLM	06/03/2019
1037414	104-1	Asbestos PLM	06/03/2019
1037415	104-2	Asbestos PLM	06/03/2019

Reviewed by:

**Quality Assurance Coordinator** 

Darmiwall



**Environmental Testing Laboratories, Inc.** 

38900 Huron River Drive, Suite 200, Romulus, Michigan 48174, (734) 955-6600, Fax: (734) 955-6604

# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037188 1-1 Layer-1 Analyst: Date Analyzed :		Black/White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037188 1-1 Layer-2 Analyst: Date Analyzed :		Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1037189 1-2 Layer-1 Analyst: Date Analyzed :		Black/White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037189 1-2 Layer-2 Analyst: Date Analyzed :		Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1037190 2-1 Layer-1 Analyst: Date Analyzed :		Purple/White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037190 2-1 Layer-2 Analyst: Date Analyzed :		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



**Environmental Testing Laboratories, Inc.** 

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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

Sample	Description	Annogranco	% Fibrous	% Non-Fibrous	% Asbestos
1037191 2-2 Layer-1 Analyst: S Date Analyzed :	12x12 Floor Tile	Appearance  Purple/White  Non-Fibrous  Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037191 2-2 Layer-2 Analyst: S Date Analyzed :	Adhesive Scott Larabell 06/03/2019	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037192 3-1 Layer-1 Analyst: S Date Analyzed :	Ceiling Plaster Smooth  Scott Larabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037192 3-1 Layer-2 Analyst: S Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037193 3-2 Layer-1 Analyst: S Date Analyzed :	Ceiling Plaster Smooth  Scott Larabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037193 3-2 Layer-2 Analyst: S Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



**Environmental Testing Laboratories, Inc.** 

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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037194 3-3 Layer-1 Analyst: S Date Analyzed :	Ceiling Plaster Smooth	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037194 3-3 Layer-2 Analyst: S Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037195 3-4 Layer-1 Analyst: \$ Date Analyzed :	Ceiling Plaster Smooth  Scott Larabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037195 3-4 Layer-2 Analyst: S Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037196 3-5 Layer-1 Analyst: S Date Analyzed :	Ceiling Plaster Smooth  Scott Larabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037196 3-5 Layer-2 Analyst: S Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



**Environmental Testing Laboratories, Inc.** 

38900 Huron River Drive, Suite 200, Romulus, Michigan 48174, (734) 955-6600, Fax: (734) 955-6604

# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037197 3-6	Ceiling Plaster Smooth	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037197 3-6	Skim	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037198 3-7	Ceiling Plaster Smooth	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Date Analyzed :	Scott Larabell 06/03/2019	Homogonous			
1037198 3-7	Skim	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037199 4-1	Wall Plaster Smooth	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037199 4-1	Skim	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-2 Analyst: Date Analyzed:	Scott Larabell 06/03/2019	Homogenous			



**Environmental Testing Laboratories, Inc.** 

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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037200 4-2 Layer-1 Analyst: Date Analyzed :		Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037200 4-2 Layer-2 Analyst: Date Analyzed :		White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037201 4-3 Layer-1 Analyst: Date Analyzed :		Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037201 4-3 Layer-2 Analyst: Date Analyzed :		White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037202 4-4 Layer-1 Analyst: Date Analyzed :		Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037202 4-4 Layer-2 Analyst: Date Analyzed :		White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



Environmental Testing Laboratories, Inc.

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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

 $\textbf{Date Received:} \ \ 05/31/2019$ 

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037203 4-5 Layer-1 Analyst: Date Analyzed :	Wall Plaster Smooth Scott Larabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037203 4-5 Layer-2 Analyst: Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037204 4-6 Layer-1 Analyst: Date Analyzed :	Wall Plaster Smooth  Scott Larabell  06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037204 4-6 Layer-2 Analyst: Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037205 4-7 Layer-1 Analyst: Date Analyzed :	Wall Plaster Smooth  Scott Larabell  06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037205 4-7 Layer-2 Analyst: Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037206 5-1	4" Covebase	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: 3 Date Analyzed :	Scott Larabell 06/03/2019	, iomeganous			
1037206 5-1	Adhesive	Brown Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: 5 Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037207 5-2	4" Covebase	Black Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: 3 Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037207 5-2	Adhesive	Brown Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: 5 Date Analyzed :	Scott Larabell 06/03/2019				
1037208 6-1	1x1 Ceiling Tile-Swirl Pattern	White Fibrous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	Homogenous			
1037209 6-2 Analyst: Scott Lai	1x1 Ceiling Tile-Swirl Pattern	White Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

**Date Received**: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037211 8-1	Carpet Adhesive	Yellow/Tan Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	Homogenous			
1037212 8-2 Analyst: Scott Lar	Carpet Adhesive	Yellow/Tan Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Date Analyzed :	06/03/2019				
1037213 9-1	Residual Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	06/03/2019				
1037214 9-2	Residual Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	· ·			
1037215 10-1	Fabric Covered Wallboard Panels	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	. 1011109011043			
1037216 10-2	Fabric Covered Wallboard Panels	White Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Analyst: Scott Lar		Homogenous			



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46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 **Date Collected**: 05/24/2019

**Date Received: 05/31/2019** 

	The Timberry Theade				
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037217 10-3 Analyst: Scott Lar Date Analyzed :	Fabric Covered Wallboard Panels rabell 06/03/2019	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1037218 11-1 Analyst: Scott Lar Date Analyzed :	Door Caulk rabell 06/03/2019	Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
1037219 11-2		Not Analyzed			
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019				
1037220 12-1 Layer-1 Analyst: S Date Analyzed :	Wallboard System-Wallboard Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected

Layer-2 Analyst: Scott Larabell Date Analyzed: 06/03/2019

1037220

12-1

1037220

Layer-3 Analyst: Scott Larabell Date Analyzed: 06/03/2019

Wallboard System-Mud

Wallboard System-Tape

White

Non-Fibrous Homogenous

White

Fibrous Homogenous

PLM 2% Cellulose

PLM 90% Cellulose

PLM 98% Other

PLM 10% Other

PLM None Detected

PLM None Detected



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Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037221 12-2 Layer-1 Analyst: Scott	Wallboard System-Wallboard Larabell	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Date Analyzed : 06	/03/2019				
1037221 12-2	Wallboard System-Tape	White Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Scott Date Analyzed: 06	(/03/2019				
1037221 12-2	Wallboard System-Mud	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-3 Analyst: Scott Date Analyzed: 06	Larabell /03/2019	, is more than			
1037222 12-3	Wallboard System-Wallboard	White Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: Scott Date Analyzed : 06	Larabell //03/2019	Homogenous			
1037222 12-3	Wallboard System-Tape	White	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Scott	Larabell /03/2019	Fibrous Homogenous			
1037222	Wallboard System-Mud	White	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
12-3  Layer-3 Analyst: Scott  Date Analyzed: 06	•	Non-Fibrous Homogenous		. 2 30% Galdi	tone Batestea



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393
Client Project: 188BS19269
Date Collected: 05/24/2019

**Date Received:** 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037223 13-1	Pipe Insulaton-Mag	Gray Fibrous	PLM 10% Cellulose	PLM 65% Other	PLM 20% Chrysotile PLM 5% Crocidolite
Analyst: Scott La Date Analyzed :		Homogenous			
1037224 13-2		Not Analyzed			
Analyst: Scott La Date Analyzed :					
1037225 13-3		Not Analyzed			
Analyst: Scott La Date Analyzed :	orabell 06/03/2019				
1037226 14-1 Analyst: Scott La Date Analyzed :		Gray Fibrous Homogenous	PLM 10% Cellulose	PLM 75% Other	PLM 15% Chrysotile
1037227		Not Analyzed			
14-2 Analyst: Scott La Date Analyzed :					
1037228 14-3		Not Analyzed			



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Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037229 15-1	Interior Caulk-Along Trim	Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
Analyst: Scott La Date Analyzed :		Ü			
1037230 15-2		Not Analyzed			
Analyst: Scott La Date Analyzed :	arabell 06/03/2019				
1037231 16-1 Analyst: Scott La Date Analyzed :		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037232 16-2 Analyst: Scott La		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Date Analyzed :	06/03/2019	Brown/Tan/White	DIMOY O II I	DIM 00% OII	
17-1  Analyst: Scott La Date Analyzed :	Terazzo arabell 06/03/2019	Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037234 17-2	Terazzo	Brown/Tan/White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

Homogenous



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46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

**ETC Job**: 222393

Client Project: 188BS19269

**Date Collected**: 05/24/2019

**Date Received:** 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037235 18-1 Analyst: Scott Lara Date Analyzed :	1x1 Ceiling Tile, Metal, Pinhole, W/ Insulation Paper abell 06/03/2019	Gray Fibrous Homogenous	PLM 25% Cellulose	PLM 45% Other	PLM 30% Chrysotile
1037236 18-2		Not Analyzed			
Analyst: Scott Lara Date Analyzed :	nbell 06/03/2019				
1037237 18-3 Analyst: Scott Lara Date Analyzed :	ibell 06/03/2019	Not Analyzed			
Date Analyzed .	00/03/2019				
1037238 19-1 Analyst: Scott Lara Date Analyzed :	Pipe Insulation-Air Cell abell 06/03/2019	Gray Fibrous Homogenous	PLM 10% Cellulose	PLM 65% Other	PLM 25% Chrysotile
1037239 19-2		Not Analyzed			
Analyst: Scott Lara Date Analyzed :	nbell 06/03/2019				
1037240 19-3		Not Analyzed			



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Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 **Date Collected**: 05/24/2019

**Date Received: 05/31/2019** 

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037241 20-1 Analyst: Scott Lara Date Analyzed :	Pipe Fitting-Mudded bell 06/03/2019	Gray Fibrous Homogenous	PLM 25% Cellulose	PLM 35% Other	PLM 40% Chrysotile
Date Analyzeu .	00/03/2019				
1037242 20-2		Not Analyzed			
Analyst: Scott Lara Date Analyzed :	bell 06/03/2019				
1037243 20-3		Not Analyzed			
Analyst: Scott Lara Date Analyzed :	bell 06/03/2019				
1037244 21-1 Analyst: Scott Lara Date Analyzed :	Interior Caulk-Around Sinks/Toilets bell 06/03/2019	Off White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

Analyst: Scott Larabell

1037245

21-2

Date Analyzed: 06/03/2019

1037247 Residual Mastic 23-1

Interior Caulk-Around

Sinks/Toilets

Analyst: Scott Larabell Date Analyzed: 06/03/2019 PLM 3% Cellulose

PLM 2% Cellulose

PLM 97% Other

PLM 98% Other

PLM None Detected

PLM None Detected

Off White

Black

Non-Fibrous Homogenous

Non-Fibrous Homogenous



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## Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

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Novi, Michigan 48377

Location:

Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037248 23-2	Residual Mastic	Black Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	Homogenous			
1037249 24-1 Analyst: Scott Lar		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Date Analyzed :	06/03/2019				
1037250 24-2	Stair Tread-Sanded Texture	Black Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	Homogenous			
1037251 25-1	9x9 Floor Tile	Brown/Tan Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: 9 Date Analyzed :	Scott Larabell 06/03/2019	Non-Fibrous Homogenous			
1037251 25-1	Mastic	Black Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: \$	Scott Larabell	Homogenous			



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037252 25-2 Layer-1 Analyst Date Analyzed :		Brown/Tan Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037252 25-2 Layer-2 Analyst Date Analyzed :		Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1037253 26-1 Layer-1 Analyst Date Analyzed :		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037253 26-1 Layer-2 Analyst Date Analyzed :		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037254 26-2 Layer-1 Analyst Date Analyzed :		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037254 26-2 Layer-2 Analyst Date Analyzed :		Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



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## Polarized Light Microscopy Asbestos Analysis Report

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46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 Date Collected: 05/24/2019 **Date Received: 05/31/2019** 

PLM 3% Cellulose

PLM 2% Cellulose

PLM 2% Cellulose

PLM 5% Cellulose

% Fibrous

1037258 Marble Adhesive/Grout-Stairwell 30-1

Steps

Description

White PLM 3% Cellulose

PLM 97% Other

% Non-Fibrous

PLM 97% Other

PLM 98% Other

PLM 98% Other

PLM None Detected

PLM None Detected

PLM None Detected

PLM None Detected

% Asbestos

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037259 30-2

Sample

Marble Adhesive/Grout-Stairwell

Steps

White

Non-Fibrous

Appearance

Non-Fibrous Homogenous

Homogenous

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037260 Interior Caulk-Along Decorative

31-1

Off White

Non-Fibrous

Homogenous

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037261 Interior Caulk-Along Decorative

31-2

Trim

Non-Fibrous Homogenous

Off White

Analyst: Scott Larabell

Date Analyzed : 06/03/2019

Carpet Adhesive-Sticky

Non-Fibrous

Yellow

Homogenous

PLM 95% Other

PLM None Detected

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037264 33-2

1037263

33-1

Carpet Adhesive-Sticky

Yellow

Non-Fibrous Homogenous PLM 3% Cellulose

PLM 97% Other

PLM None Detected

Analyst: Scott Larabell

Date Analyzed: 06/03/2019



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Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

**ETC Job**: 222393 **Client Project**: 188BS19269 **Date Collected**: 05/24/2019

**Date Received:** 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037266 35-1	2x4 Ceiling Panel-Pinhole/Long Crevice	Gray Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	nbell 06/03/2019	. ioinegeneae			
1037267 35-2	2x4 Ceiling Panel-Pinhole/Long Crevice	Gray Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	06/03/2019				
1037268 36-1	Trowelled On Material-Plaster Patch	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	ibell 06/03/2019	Homogenous			
1037269 36-2	Trowelled On Material-Plaster Patch	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	abell 06/03/2019	Homogenous			
1037270 36-3	Trowelled On Material-Plaster Patch	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

Analyst: Scott Larabell Date Analyzed : 06/03/2019

1037272

38-1

Fibrous PLM 90% Mineral wool
Homogenous

PLM 8% Other

PLM 2% Cellulose

White

2x2 Ceiling Panel-Rough Texture

Recessed

PLM None Detected



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Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037273 38-2 Analyst: Scott Lar. Date Analyzed :	2x2 Ceiling Panel-Rough Texture Recessed abell 06/03/2019	White Fibrous Homogenous	PLM 3% Cellulose PLM 90% Mineral wool	PLM 7% Other	PLM None Detected
1037274 39-1 Layer-1 Analyst: S Date Analyzed :	Wallboard System-Wallboard Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1037274 39-1 Layer-2 Analyst: S Date Analyzed :	Wallboard System-Tape Scott Larabell 06/03/2019	White Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1037274 39-1 Layer-3 Analyst: S	Wallboard System-Mud	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



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Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037275 39-2 Layer-1 Analyst: So	Wallboard System-Wallboard	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
	06/03/2019				
1037275 39-2 Layer-2 Analyst: So	Wallboard System-Tape	White Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
	06/03/2019				
1037275 39-2 Layer-3 Analyst: So	Wallboard System-Mud	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
	06/03/2019				
1037276 39-3	Wallboard System-Wallboard	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-1 Analyst: So Date Analyzed :	ott Larabell 06/03/2019				
1037276 39-3	Wallboard System-Tape	White Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: So Date Analyzed :	ott Larabell 06/03/2019				
1037276 39-3 Layer-3 Analyst: So	Wallboard System-Mud	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
	06/03/2019				



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Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269

**Date Collected**: 05/24/2019 **Date Received**: 05/31/2019

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 1037278 Beige Interior Caulk-Around Window PLM 2% Cellulose PLM 98% Other PLM None Detected 41-1 Trim Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037279 Interior Caulk-Around Window Beige PLM 2% Cellulose PLM 98% Other PLM None Detected 41-2 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037282 Black/Green **HVAC Fabric-Canvas** PLM 95% Cellulose PLM 5% Other PLM None Detected 44-1 Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037283 Black/Green **HVAC Fabric-Canvas** PLM 95% Cellulose PLM 5% Other PLM None Detected 44-2 Fibrous Homogenous Analyst: Scott Larabell Date Analyzed : 06/03/2019 1037284 Gray Radiator Backing Material PLM 10% Cellulose PLM 60% Other PLM 30% Chrysotile 45-1 (Under Top Of Shroud) Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037285 Not Analyzed

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

45-2



**Environmental Testing Laboratories, Inc.** 

38900 Huron River Drive, Suite 200, Romulus, Michigan 48174, (734) 955-6600, Fax: (734) 955-6604

## Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Layer-2 Analyst: Scott Larabell Date Analyzed : 06/03/2019

WSU - Hilberry Theatre

**ETC Job**: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

**Date Received:** 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037286 45-3	Description	Not Analyzed	70 T ISTOUS	/6 NOTI-1 ISTOUS	70 ASDESIOS
Analyst: Scott La Date Analyzed :					
1037287 46-1 Layer-1 Analyst: Date Analyzed :		Yellow Fibrous Homogenous	PLM 2% Cellulose PLM 90% Mineral wool	PLM 8% Other	PLM None Detected
1037287 46-1 Layer-2 Analyst: Date Analyzed :		Silver Fibrous Homogenous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected
1037288 46-2 Layer-1 Analyst: Date Analyzed :		Yellow Fibrous Homogenous	PLM 3% Cellulose PLM 90% Mineral wool	PLM 7% Other	PLM None Detected
1037288 46-2	Foil	Silver Fibrous	PLM 95% Cellulose	PLM 5% Other	PLM None Detected

Homogenous



Environmental Testing Laboratories, Inc.

PLM None Detected

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46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 Date Collected: 05/24/2019 **Date Received: 05/31/2019** 

PLM 5% Other

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037289	Pipe Insulation	Yellow	PLM 2% Cellulose	PLM 8% Other	PLM None Detected
46-3		Fibrous Homogenous	PLM 90% Mineral wool		
Layer-1 Analyst:	Scott Larabell	Homogenous			
Date Analyzed:	06/03/2019				

PLM 95% Cellulose

PLM 90% Mineral wool

PLM 90% Mineral wool

Layer-2 Analyst: Scott Larabell Date Analyzed: 06/03/2019

Foil

1037289

46-3

47-2

1037290 Pipe Fitting-Mudded Gray PLM 2% Cellulose PLM 8% Other PLM None Detected 47-1 Fibrous PLM 90% Mineral wool

Silver

**Fibrous** Homogenous

Homogenous

Fibrous

Homogenous

Homogenous

Analyst: Scott Larabell Date Analyzed: 06/03/2019

1037291 Gray Pipe Fitting-Mudded PLM 2% Cellulose PLM 8% Other PLM None Detected

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037292 Gray Pipe Fitting-Mudded PLM 2% Cellulose PLM 8% Other PLM None Detected 47-3 Fibrous

Analyst: Scott Larabell Date Analyzed: 06/03/2019

Date Analyzed: 06/03/2019

1037293 Tan/Gray Trowelled On Material-Around PLM 2% Cellulose PLM 98% Other PLM None Detected

48-1 Penetrations Non-Fibrous

Homogenous Analyst: Scott Larabell

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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Date Analyzed:

06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037294 48-2 Analyst: Scott Lar	Trowelled On Material-Around Penetrations	Tan/Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Date Analyzed :	06/03/2019				
1037295 48-3 Analyst: Scott Lar		Tan/Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Date Analyzed :	06/03/2019				
1037296 49-1	12x12 Floor Tile	Off White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: S Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037296 49-1	Adhesive	Brown Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: \$ Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037297 49-2	12x12 Floor Tile	Off White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Layer-1 Analyst: S Date Analyzed :	Scott Larabell 06/03/2019	Homogenous			
1037297 49-2	Adhesive	Black Non-Fibrous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Layer-2 Analyst: S	Scott Larabell	Homogenous			



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To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

06/03/2019

06/03/2019

06/03/2019

Wallboard (No System)

Wallboard (No System)

Date Analyzed:

1037301

1037304

Date Analyzed :

Date Analyzed :

Analyst: Scott Larabell Date Analyzed: 06/03/2019

Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 Date Collected: 05/24/2019

**Date Received: 05/31/2019** 

PLM 97% Other

PLM 97% Other

PLM None Detected

PLM None Detected

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 1037298 Black Residual Mastic PLM 2% Cellulose PLM 98% Other PLM None Detected 50-1 Non-Fibrous Homogenous Analyst: Scott Larabell 06/03/2019 Date Analyzed: 1037299 Black Residual Mastic PLM 2% Cellulose PLM 98% Other PLM None Detected

50-2 Non-Fibrous Homogenous Analyst: Scott Larabell

1037300 White

51-1 Non-Fibrous Homogenous Analyst: Scott Larabell

PLM 3% Cellulose

PLM 3% Cellulose

White

White

51-2 Non-Fibrous Homogenous Analyst: Scott Larabell

1037303 White 2x2 Ceiling PLM 90% Cellulose PLM 10% Other PLM None Detected

53-1 Panel-Pinhole/Pockmark, Light Fibrous Texture Homogenous

2x2 Ceiling PLM 90% Cellulose PLM 10% Other PLM None Detected 53-2

Panel-Pinhole/Pockmark, Light Fibrous Texture Homogenous Analyst: Scott Larabell



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Novi, Michigan 48377

Location:

Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

**Date Received**: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037305 54-1	Stone Wall Panel Grout	Gray/White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lai Date Analyzed :	rabell 06/03/2019	•			
1037306 54-2	Stone Wall Panel Grout	Gray/White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lai Date Analyzed :	06/03/2019				
1037308 56-1	Door Caulk-Semi Pliable	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lai Date Analyzed :	rabell 06/03/2019	Homogenous			
1037309 56-2	Door Caulk-Semi Pliable	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lai Date Analyzed :	rabell 06/03/2019	Homogonouc			
1037310 57-1	Fabric Wall Covering	Brown Fibrous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Analyst: Scott Lai Date Analyzed :	rabell 06/03/2019	Homogenous			
1037311 57-2	Fabric Wall Covering	Brown Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Analyst: Scott La	rabell	Homogenous			



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

**Date Received: 05/31/2019** 

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 1037312 White **Decorative Plaster** PLM 2% Cellulose PLM 98% Other PLM None Detected 58-1 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037313 White Decorative Plaster PLM 2% Cellulose PLM 98% Other PLM None Detected 58-2 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037314 White Decorative Plaster PLM 2% Cellulose PLM 98% Other PLM None Detected 58-3 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037315 White Decorative Plaster PLM 2% Cellulose PLM 98% Other PLM None Detected 58-4 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed : 06/03/2019 1037316 White Decorative Plaster PLM 2% Cellulose PLM 98% Other PLM None Detected 58-5 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037319 Tan Window Wall System Glaze PLM 2% Cellulose PLM 98% Other PLM None Detected 61-1 Non-Fibrous

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Homogenous



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# Polarized Light Microscopy Asbestos Analysis Report

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Novi, Michigan 48377

Location:

Layer-1 Analyst: Scott Larabell Date Analyzed : 06/03/2019

Layer-2 Analyst: Scott Larabell Date Analyzed: 06/03/2019

Skim

1037324

63-1

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

**Date Received**: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037320 61-2	Window Wall System Glaze	Tan Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	Homogenous			
1037321 62-1	Corrugated Paper Debris	Gray Fibrous Homogenous	PLM 25% Cellulose	PLM 45% Other	PLM 30% Chrysotile
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019	Homogenous			
1037322 62-2		Not Analyzed			
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019				
1037323 62-3		Not Analyzed			
Analyst: Scott Lar Date Analyzed :	rabell 06/03/2019				
1037324 63-1	Textured Plaster-Wall/Ceiling, Bumpy	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

PLM 2% Cellulose

PLM 98% Other

Homogenous

White

Non-Fibrous Homogenous PLM None Detected



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Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037325 63-2 Layer-1 Analyst: Date Analyzed :	Textured Plaster-Wall/Ceiling, Bumpy Scott Larabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037325 63-2 Layer-2 Analyst: Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037326 63-3 Layer-1 Analyst: Date Analyzed :	Textured Plaster-Wall/Ceiling, Bumpy Scott Larabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037326 63-3 Layer-2 Analyst: Date Analyzed :	Skim Scott Larabell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037327 64-1 Analyst: Scott La Date Analyzed :	Textured Concrete rabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037328 64-2 Analyst: Scott La Date Analyzed :	Textured Concrete rabell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



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To: ATC Group Services LLC - Novi

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Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393
Client Project: 188BS19269
Date Collected: 05/24/2019

**Date Received**: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037329 64-3 Analyst: Scott Lara Date Analyzed :	Textured Concrete abell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037330 65-1	Cementitious Material	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	06/03/2019				
1037331 65-2	Cementitious Material	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	abell 06/03/2019	Homogenous			
1037332 66-1	Carpet Adhesive	Yellow/Orange Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	abell 06/03/2019	Homogenous			
1037333 66-2	Carpet Adhesive	Yellow/Orange Non-Fibrous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
Analyst: Scott Lara Date Analyzed :	abell 06/03/2019	Homogenous			
1037334 67-1	Textured Plaster-Ceiling Swirls	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

Homogenous



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Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037335 67-2	Textured Plaster-Ceiling Swirls	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larab Date Analyzed :	pell 06/03/2019	Homogenous			
1037336 67-3	Textured Plaster-Ceiling Swirls	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larab Date Analyzed :	oell 06/03/2019	Ç			
1037338 69-1	Interior Door Caulk-Metal Doors	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larab Date Analyzed :	pell 06/03/2019	Homogenous			
1037339 69-2	Interior Door Caulk-Metal Doors	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larab Date Analyzed :	pell 06/03/2019	Homogenous			
1037340 70-1	Brick Mortar-Associated W/Red Brick	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larab Date Analyzed :	pell 06/03/2019	Tiomogenous			
1037341 70-2 Analyst: Scott Larah	Brick Mortar-Associated W/Red Brick	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



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## Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

EIC Job :	222393
Client Project :	188BS19269
Date Collected :	05/24/2019
Date Received :	05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037342 71-1	CMU Mortar	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott La Date Analyzed :	rabell 06/03/2019	Homogenous			
1037343 71-2 Analyst: Scott La	CMU Mortar	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Date Analyzed :	06/03/2019				
1037344 72-1	Fire Stop Caulk	Red Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott La Date Analyzed :	rabell 06/03/2019	ÿ			
1037345 72-2	Fire Stop Caulk	Red Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott La Date Analyzed :	orabell 06/03/2019	Homogenous			
1037347 74-1	Boiler Exhaust Insulation	White Fibrous	PLM 2% Cellulose PLM 90% Mineral wool	PLM 8% Other	PLM None Detected
Analyst: Scott La Date Analyzed :	orabell 06/03/2019	Homogenous	r Livi 30% iviinietai WOOI		
1037348 74-2	Boiler Exhaust Insulation	White Fibrous	PLM 3% Cellulose PLM 90% Mineral wool	PLM 7% Other	PLM None Detected

Homogenous



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## Polarized Light Microscopy Asbestos Analysis Report

To: ATC G

46555

Novi,N

Location:

WSU - Hilberry Theatre

	EIC JOD: 222393
Group Services LLC - Novi	Client Project: 188BS19269
5 Humboldt Dr. Suite 100	Date Collected: 05/24/2019
Michigan 48377	<b>Date Received</b> : 05/31/2019

	_			_	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037349 74-3	Boiler Exhaust Insulation	White Fibrous Homogenous	PLM 3% Cellulose PLM 90% Mineral wool	PLM 7% Other	PLM None Detected
Analyst: Scott Larab Date Analyzed : (	ell 06/03/2019	nomogenous			
1037350 75-1 Analyst: Scott Larab		Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Date Analyzed: (	06/03/2019				
1037351 75-2	Interior Caulk-Around Boiler Exhaust Insulation	Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larab Date Analyzed : (	ell 06/03/2019				
1037353 77-1	Duct Insulation	Gray Fibrous Homogenous	PLM 25% Cellulose	PLM 45% Other	PLM 30% Chrysotile
Layer-1 Analyst: Sco Date Analyzed : (	ott Larabell 06/03/2019	nomogenous			
1037353 77-1	Canvas	Brown Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Sco Date Analyzed : (	ott Larabell 06/03/2019	Torriogenous			



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Location:

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ETC Job: 222393 Client Project: 188BS19269

**Date Collected**: 05/24/2019

**Date Received:** 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037354 77-2		Not Analyzed			
Layer-1 Analyst: Date Analyzed :					
1037354 77-2	Canvas	Brown Fibrous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Date Analyzed :		Homogenous			
1037355 77-3		Not Analyzed			
Layer-1 Analyst: Date Analyzed :					
1037355 77-3	Canvas	Brown Fibrous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
Layer-2 Analyst: Date Analyzed :		Homogenous			
1037356 78-1	Trowelled On Material-Wall Patches	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott La Date Analyzed :		Homogenous			
1037357 78-2	Trowelled On Material-Wall Patches	White Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott La		Homogenous			



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Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 Date Collected: 05/24/2019 **Date Received: 05/31/2019** 

Description % Fibrous % Non-Fibrous % Asbestos

1037358 78-3

Sample

Trowelled On Material-Wall **Patches** 

White Non-Fibrous

Appearance

Homogenous

PLM 2% Cellulose

PLM 2% Cellulose

PLM 2% Cellulose

PLM 2% Cellulose

PLM 90% Cellulose

PLM 90% Cellulose

PLM 98% Other

PLM 98% Other

PLM 98% Other

PLM 98% Other

PLM 10% Other

PLM None Detected

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037359 79-1

Trowelled On Material-Vent To

Wall

Gray

Non-Fibrous

Homogenous

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037360

79-2

Trowelled On Material-Vent To

Gray

Non-Fibrous

Homogenous

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

Analyst: Scott Larabell

Trowelled On Material-Vent To

79-3 Wall Gray

Non-Fibrous Homogenous

Date Analyzed : 06/03/2019

1037363 81-1

1037361

**Duct Tape** 

Black/Brown Fibrous

Homogenous

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

Black/Brown

Fibrous

Homogenous

1037364 **Duct Tape** 

81-2

Analyst: Scott Larabell Date Analyzed: 06/03/2019 PLM 10% Other

PLM None Detected



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46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell Date Analyzed: 06/

06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 1037365 White Stone Stair Mortar PLM 2% Cellulose PLM 98% Other PLM None Detected 82-1 Non-Fibrous Homogenous Analyst: Scott Larabell 06/03/2019 Date Analyzed: 1037366 White Stone Stair Mortar PLM 2% Cellulose PLM 98% Other PLM None Detected 82-2 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037367 White Insulation Material-Behind Metal PLM 3% Cellulose PLM 2% Other PLM None Detected 83-1 Screening Fibrous PLM 95% Mineral wool Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037368 White Insulation Material-Behind Metal PLM 2% Cellulose PLM 8% Other PLM None Detected 83-2 Screening Fibrous PLM 90% Mineral wool Homogenous Analyst: Scott Larabell Date Analyzed : 06/03/2019 1037369 White Insulation Material-Behind Metal PLM 2% Cellulose PLM 8% Other PLM None Detected 83-3 Screening Fibrous PLM 90% Mineral wool Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037370 Gray 2x2 Ceiling PLM 90% Cellulose PLM 10% Other PLM None Detected 84-1 Panel-Pockmark/Pinhole Fibrous

Homogenous



**Environmental Testing Laboratories, Inc.** 

38900 Huron River Drive, Suite 200, Romulus, Michigan 48174, (734) 955-6600, Fax: (734) 955-6604

# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393
Client Project: 188BS19269
Date Collected: 05/24/2019

**Date Received**: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037371 84-2 Analyst: Scott La Date Analyzed :	2x2 Ceiling Panel-Pockmark/Pinhole rabell 06/03/2019	Gray Fibrous Homogenous	PLM 90% Cellulose	PLM 10% Other	PLM None Detected
1037372 85-1 Analyst: Scott La Date Analyzed :	Sink Undercoating rabell 06/03/2019	White Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1037373 86-1 Analyst: Scott La Date Analyzed :	Insulation Material rabell 06/03/2019	White Fibrous Homogenous	PLM 2% Cellulose PLM 95% Mineral wool	PLM 3% Other	PLM None Detected
1037374 86-2 Analyst: Scott La Date Analyzed :	Insulation Material rabell 06/03/2019	White Fibrous Homogenous	PLM 2% Cellulose PLM 95% Mineral wool	PLM 3% Other	PLM None Detected
1037375 86-3 Analyst: Scott La Date Analyzed :	Insulation Material rabell 06/03/2019	White Fibrous Homogenous	PLM 2% Cellulose PLM 95% Mineral wool	PLM 3% Other	PLM None Detected
1037376 87-1 Analyst: Scott La	Carpet Glue-Theatre	Brown Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

**Date Received**: 05/31/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037377 87-2 Analyst: Scott Lara Date Analyzed :	Carpet Glue-Theatre abell 06/03/2019	Brown Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1037378 88-1 Analyst: Scott Lara Date Analyzed :	Concrete-Radiator Housing Base abell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037379 88-2 Analyst: Scott Lara Date Analyzed :	Concrete-Radiator Housing Base abell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037380 88-3 Analyst: Scott Lara Date Analyzed :	Concrete-Radiator Housing Base abell 06/03/2019	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037381 89-1 Analyst: Scott Lara Date Analyzed :	Plaster Skim Coat-Radiator Housing abell 06/03/2019	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1037382 89-2	Plaster Skim Coat-Radiator Housing	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



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## Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269

Date Collected: 05/24/2019 **Date Received: 05/31/2019** 

PLM 98% Other

PLM 98% Other

PLM 98% Other

PLM 98% Other

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 1037383 White Plaster Skim Coat-Radiator PLM 2% Cellulose PLM 98% Other PLM None Detected 89-3 Housing Non-Fibrous Homogenous Analyst: Scott Larabell

PLM 2% Cellulose

PLM 2% Cellulose

PLM 2% Cellulose

PLM 2% Cellulose

Date Analyzed: 06/03/2019

1037384 Plaster Skim Coat-Radiator 89-4

Housing

White

Non-Fibrous

Homogenous

Analyst: Scott Larabell Date Analyzed:

06/03/2019

Plaster Skim Coat-Radiator

Housing

White

Non-Fibrous

Homogenous

Analyst: Scott Larabell

1037385

1037386

89-5

Date Analyzed: 06/03/2019

Textured Paint-Perforated Wall

Panel

White Non-Fibrous

Homogenous

Analyst: Scott Larabell

Date Analyzed : 06/03/2019

1037387 Textured Paint-Perforated Wall

90-2Panel White

Non-Fibrous

Homogenous

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

Exterior Caulk-On Brick Seams

Beige

Non-Fibrous Homogenous PLM 2% Cellulose

PLM 98% Other

PLM None Detected

Analyst: Scott Larabell

1037388

91-1

Date Analyzed: 06/03/2019

ETL. Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL. Inc. Test Method EPA 600/R-93-116 & EPA 600/M4-82/020 or NYSDOH-ELAP item 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested.



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

Analyst: Scott Larabell Date Analyzed: 06/

06/03/2019

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

Date Received: 05/31/2019

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 1037389 Beige Exterior Caulk-On Brick Seams PLM 2% Cellulose PLM 98% Other PLM None Detected 91-2 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037390 Door Caulk-Steel Doors Beige PLM 2% Cellulose PLM 98% Other PLM None Detected 92-1 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037391 Beige Door Caulk-Steel Doors PLM 2% Cellulose PLM 98% Other PLM None Detected 92-2 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037392 Black Window Glaze-Steel Doors PLM 2% Cellulose PLM 98% Other PLM None Detected 93-1 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed : 06/03/2019 1037393 Window Glaze-Steel Doors PLM 2% Cellulose PLM 98% Other PLM None Detected 93-2 Non-Fibrous Homogenous Analyst: Scott Larabell Date Analyzed: 06/03/2019 1037394 Tan/Gray Brick Mortar-Main Mortar PLM 2% Cellulose PLM 98% Other PLM None Detected 94-1 Non-Fibrous

Homogenous



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## Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 **Date Collected:** 05/24/2019

**Date Received: 05/31/2019** 

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037395 94-2	Brick Mortar-Main Mortar	Tan/Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larabell Date Analyzed: 06/03/2019		Homogenous			
1037396 95-1	Vent Caulk	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larabell Date Analyzed : 06/03/2019		Homogenous			
1037397 95-2	Vent Caulk	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larabe Date Analyzed: 0	ell 6/03/2019	Homogenous			
1037398 96-1	Window Glaze-2 And 3 Pane Windows	Gray Non-Fibrous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
Analyst: Scott Larabe Date Analyzed: 0		Homogenous			

1037399

96-2

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037400 Exterior Window Caulk-Along 97-1

Leaded Glass Windows

Non-Fibrous Homogenous

Gray

Not Analyzed

PLM 2% Cellulose

PLM 95% Other

PLM 3% Chrysotile

Analyst: Scott Larabell Date Analyzed: 06/03/2019



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

**ETC Job**: 222393

Client Project: 188BS19269

**Date Collected**: 05/24/2019

**Date Received: 05/31/2019** 

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037401 97-2		Not Analyzed			
Analyst: Scott Lara Date Analyzed :	abell 06/03/2019				
1037402 98-1 Analyst: Scott Lara Date Analyzed :	Window Glaze-Leaded Glass Windows abell 06/03/2019	Beige Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 95% Other	PLM 3% Chrysotile
1037403 98-2		Not Analyzed			

Analyst: Scott Larabell

Date Analyzed: 06/03/2019

1037404 Water Proofing

Analyst: Scott Larabell

99-2

Date Analyzed: 06/03/2019

1037405 Water Proofing

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

Date Ariatyzeu . 00/03/2019

1037406 Brick Mortar-Associated W/
100-1 Sandstone Blocks

Analyst: Scott Larabell
Date Analyzed: 06/03/2019

PLM 2% Cellulose

PLM 2% Cellulose

PLM 98% Other

PLM 98% Other

PLM None Detected

PLM None Detected

PLM 2% Cellulose PLM 96% Other

PLM 2% Chrysotile

Black

Black

Gray

Non-Fibrous Homogenous

Non-Fibrous Homogenous

Non-Fibrous Homogenous



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# Polarized Light Microscopy Asbestos Analysis Report

To: ATC Group Services LLC - Novi

46555 Humboldt Dr. Suite 100

Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393 Client Project: 188BS19269 Date Collected: 05/24/2019

**Date Received: 05/31/2019** 

PLM 98% Other

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037407 100-2		Not Analyzed			
Analyst: Scott Lara Date Analyzed :	abell 06/03/2019				
1037408 101-1	Door Caulk-Main Entry Doors	Gray Non-Fibrous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
Analyst: Scott Larabell Date Analyzed: 06/03/2019					

1037409 101-2	Door Caulk-Main Entry Doors	Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

Analyst: Scott Larabell Date Analyzed: 06/03/2019

1037410

White Exterior Caulk-East Steps PLM 2% Cellulose PLM 98% Other PLM None Detected Non-Fibrous

PLM 2% Cellulose

Analyst: Scott Larabell Date Analyzed : 06/03/2019

1037411 Exterior Caulk-East Steps

102-2 Non-Fibrous Homogenous Analyst: Scott Larabell

Homogenous

1037412 White Window Glaze-Basement PLM 3% Cellulose PLM 97% Other PLM None Detected

103-1 Windows Non-Fibrous Homogenous

Analyst: Scott Larabell Date Analyzed: 06/03/2019

Date Analyzed: 06/03/2019

PLM None Detected



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## Polarized Light Microscopy Asbestos Analysis Report

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Novi, Michigan 48377

Location:

WSU - Hilberry Theatre

ETC Job: 222393

Client Project: 188BS19269

Date Collected: 05/24/2019

**Date Received: 05/31/2019** 

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1037413 103-2 Analyst: Scott La Date Analyzed :	Window Glaze-Basement Windows rabell 06/03/2019	White Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1037414 104-1 Analyst: Scott La Date Analyzed :	Exterior Window Caulk-Along Leaded Glass Windows rabell 06/03/2019	Brown Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
1037415 104-2		Not Analyzed			

Lab Supervisor/Other Signatory

Analyst: Scott Larabell Date Analyzed: 06/03/2019

Latt Guald

Analyst:

Scott Larabell

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

#### 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**

222393

ETL Project #:

Client:	ATC Group Services	Contact: Rob Smith	Project Location/name: WSII-HII BERRY	
	ATC Group Services	Phone: 248-669-5140	Location/name: WSU-Hilberry THEATRE	
Address: 46555 Humboldt Dr. St		Fax: 248-669-5147		
	100 Novi, MI 48377	E-mail:	Client Project #: 188BS19269	
Please Provide	e Results: X Email 🗆 F	Fax 🗆 Verbal 🗅 Other	Date Sampled: 5/21/19-5/24/19	
Turnaround	d Time (TAT): □ RUSH	□ Same Day □ 24 hr □ 48 hr X St	andard (3-5 days) Other	
		PLM Instructions (Check all that apply)		
X PLM EPA60	00/R-93/116, 1993 (Stand		X Stop at 1st Positive -	
Point Counting	: □ 400 Points* □ NYSE	OOH ELAP 198.1, 2002*	Clearly mark Homogenous Group	<u>.</u>
□ Gravimetric	Reduction* □ NYSDOH B	ELAP 198.6, 2010*		il.
□ PLM Non-Bu	uilding Material (Dust, Wi	pe, Tape)	☐ Soil or Vermiculite Analysis*	ë
* Additional charg	re and turnaround may be req	uired		
Lab ID	Sample ID	Material Description	Sample Location	QUANTITY
1037 188	1-1	12"x12" Floor Tile; Black with White Fleck; W/ Adhesive	FS 1	
189	1-2	12"x12" Floor Tile; Black with White Fleck; W/ Adhesive	FS 1	
190	2-1	12"x12" Floor Tile; Purple with White Fleck; W/ Adhesive	FS 1	
(9)	2-2	12"x12" Floor Tile; Purple with White Fleck; W/ Adhesive	FS 1	
192	3-1	Ceiling Plaster; Smooth	FS 56	
(93	3-2	Ceiling Plaster; Smooth	FS 23	159
194	3-3	Ceiling Plaster; Smooth	FS 33	
(95	3-4	Ceiling Plaster; Smooth	FS 17	
106	3-5	Ceiling Plaster; Smooth	FS 1	
107	3-6	Ceiling Plaster; Smooth	FS 20	
las	3-7	Ceiling Plaster; Smooth FS 63		
199	4-1	Wall Plaster; Smooth	FS 56	
		/	Date, Time	•
Relinquished (Name	e/Organization):	Milled & ATC	5/30/19 1430	
Received (Name/ET	ΓL):	Nomin Helis	5/3//9 9:31	1m

Remarks

Point Count ALL PLASTER samples Trace to 3% asbestos content Point Count ALL SAMPLES Trace to 1% asbestos content

Composite all drywall/joint compound samples if any layer of system is greater than 5% asbestos;

Sample Login (Name/ETL):

Results (Name/ETL): QA/QC Review (Name/ETL):

Stereoscopical/Sample Analysis (Name/ETL)

Special Instructions: 1st Positive Stop;

<sup>\*\*</sup>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
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#### **Bulk Asbestos Chain of Custody**

ETL Project #: 222393

	Lab ID	Sample ID	Material Description	Sample Location	QUANTITY
1032	209	4-2	Wall Plaster; Smooth	FS 23	
	201	4-3	Wall Plaster, Smooth	FS 33	
	202	4-4	Wall Plaster; Smooth	FS 17	
	203	4-5	Wall Plaster; Smooth	FS 1	
	294	4-6	Wall Plaster; Smooth	FS 20	
	205	4-7	Wall Plaster, Smooth	FS 63	
	200	5-1	4" Covebase; Black; W/ Adhesive	FS 1	
	297	5-2	4" Covebase; Black; W/ Adhesive	FS 24	
	208	6-1	1'x1' Ceiling Tile; Swirl Pallern	FS 2	
	299	6-2	1'x1' Ceiling Tile; Swirl Pattern	FS 2	
		HA 7	Light Fixture Heat Shield	Assumed - No Samples Collected	
	211	8-1	Carpet Adhesive; Yellow/Tan	FS 2	
	212	8-2	Carpet Adhesive; Yellow/Tan	FS 24	
	213	9-1	Residual Mastic; Black (1)	FS 2	
	214	9-2	Residual Mastic; Black (1)	FS 2	
	2-15	10-1	Fabric Covered Wallboard Panels	FS 2	
	2-16	10-2	Fabric Covered Wallboard Panels	FS 2	
	217	10-3	Fabric Covered Wallboard Panels	FS 2	
	218	11-1	Door Caulk; Beige; Hard; Brittle	FS 2	
	219	11-2	Door Caulk; Beige; Hard; Brittle	FS 40	
	220	12-1	Wallboard System	FS 2	
	221	12-2	Wallboard System	FS 17	
	222	12-3	Wallboard System	FS 18	
	223	13-1	Pipe Insulation; "Mag"	FS 56	
	224	13-2	Pipe Insulation; "Mag"	FS 2	
	225	13-3	Pipe Insulation; "Mag"	FS 59	
	226	14-1	Pipe Fitting; Mudded; Associated with HA 13	FS 56	

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**Bulk Asbestos Chain of Custody** 

ETL Project #: 222393

Lab ID	Sample ID	Material Description	Sample Location
227	14-2	Pipe Fitting; Mudded; Associated with HA 13	FS 2
228	14-3	Pipe Fitting; Mudded; Associated with HA 13	FS 59
7.29	15-1	Interior Caulk; Beige; Along Trim	FS 56
230	15-2	Interior Caulk; Beige; Along Trim	FS 21
231	16-1	Residual Mastic; Black (2)	FS 3
232	16-2	Residual Mastic; Black (2)	FS 3
233		Terazzo; Brown w/ Tan and White Aggregate	FS 43
234	17-1	Terazzo; Brown w/ Tan and White Aggregate	FS 42
235	17-2	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	FS 12
236	18-2	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	FS 5
731	18-3	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	FS 5
234	19-1	Pipe Insulation; "Air Cell"	FS 20
239	19-2	Pipe Insulation; "Air Cell"	FS 20
240	19-3	Pipe Insulation; "Air Cell"	FS 70
241		Pipe Fitting; Mudded; Associated with HA 20	FS 20
242	20-1	Pipe Fitting; Mudded; Associated with HA 20	FS 20
243	20-2	Pipe Fitting; Mudded; Associated with HA 20	FS 70
244	21-1	Interior Caulk; Off White; Around Sinks/Toilets	FS 37
245	21-2	Interior Caulk; Off White; Around Sinks/Toilets	FS 34
246	HA 22	Duplicate HA; HA Omitted	1004
247	23-1	Residual Mastic; Black (3)	FS 10
	23-1	Residual Mastic; Black (3)	FS 10
248 248	24-1	Stair Tread; Black; Sanded Texture	FS 58
250	24-1	Stair Tread; Black; Sanded Texture	FS 12
251	25-1	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	FS 13

# ENVIRONMENTAL TESTING LABORATORIES, INC 38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174



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#### Bulk Asbestos Chain of Custody

ETL Project #: 222393

i034	252 253	25-2	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	Western State Control of the Control
	0 52		o so 11001 file, blown w/ fall offcars w/ masuc	FS 16
	「レフフ」	26-1	4" Covebase; Black; Hard/Brittle; w/ Maslic	FS 13
	254	26-2	4" Covebase; Black; Hard/Brittle; w/ Mastic	FS 15
	F 11		12"x24" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	Assumed, No Samples Collected
	( ) ~		Fire Brick; 1.5"x8"; Tan/Brown	Assumed, No Samples Collected
	. 1		Fire Place Surround; Mortar/Grout	Assumed, No Samples Collected
	258	30-1	Marble Adhesive/Grout; Stairwell Steps; White	FS 21
	259	30-2	Marble Adhesive/Grout; Stairwell Steps; White	FS 21
	260	31-1	Interior Caulk; Off White; Along Decorative Trim	FS 21
	261	31-2	Interior Caulk; Off White; Along Decorative Trim	FS 21
	ν.		16"x16" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	Assumed, No Samples Collected
	263	33-1	Carpet Adhesive; Yellow; Sticky	FS 21
	264 33.2		Carpet Adhesive; Yellow; Sticky	FS 21
	(		1"x1" Tile I-losaic; Grout/Mortar	Assumed, No Samples Collected
	2-66	35-1	2'x4' Ceiling Panel; Pinehole/ Long Crevase	FS 22
	267	35-2	2'x4" Ceiling Panel; Pinehole/ Long Crevase	FS 22
	268	36-1	Trowelled On Material; Plaster Patch; White	FS 22
	260	36-2	Trowelled On Material; Plaster Patch; White	FS 22
	270	36-3	Trowelled On Material; Plaster Patch; White	FS 22
	,		12"x12" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	Assumed, No Samples Collected
	122	38-1	2'x2' Ceiling Panel; Rough Texture; Recessed	FS 23
	272	38-2	2'x2' Ceiling Panel; Rough Texture; Recessed	FS 23
	274	39-1	Wallboard System (2)	FS 28
	275	39-2	Wallboard System (2)	FS 23
	296	39-3	Waliboard System (2)	FS 23
			Mirror Adhesive	Assumed, No Samples Collected
	7.78	41-1	Interior Caulk, Beige; Around Window Trim	FS 40

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#### **Bulk Asbestos** Chain of Custody

ETL Project #:

222393

	Lab ID	Sample ID	Material Description	Sample Location
1037	279	41-2	Interior Caulk; Beige; Around Window Trim	FS 24
Î		HA 42	Omitted	
		HA 43	Omitted	
	282	44-1	HVAC Fabric; Canvas; Black/Green	FS 68
Ì	283	44-2	HVAC Fabric; Canvas; Black/Green	FS 26
	284	45-1	Radiator Backing Material (Under Top of Shroud)	FS 54
	285	45-2	Radiator Backing Material (Under Top of Shroud)	FS 56
	286	45-3	Radiator Backing Material (Under Top of Shroud)	FS 51
İ	2.87	46-1	Pipe Insulation; Foil Wrapped Fiberglass	FS 26
	288	46-2	Pipe Insulation; Foil Wrapped Fiberglass	FS 26
Ī	289	46-3	Pipe Insulation; Foil Wrapped Fiberglass	FS 25
Ī	200	47-1	Pipe Fitting; Mudded; Associated w/ HA 46	FS 26
Ī	291	47-2	Pipe Fitting; Mudded; Associated w/ HA 46	FS 26
	292	47-3	Pipe Fitting; Mudded; Associated w/ HA 46	FS 25
	2-93	48-1	Trowelled on Material; Tan/Gray; Around Penetrations	FS 26
	294	48-2	Trowelled on Material; Tan/Gray; Around Penetrations	FS 26
	295	48-3	Trowelled on Material; Tan/Gray; Around Penetrations	FS 26
Ī	2.026	49-1	12'x12" Floor Tile; Off White w/ Black Specks w/ Adhesive	FS 29
	297	49-2	12'x12" Floor Tile; Off While w/ Black Specks w/ Adhesive	FS 29
Ī	298	50-1	Residual Mastic; Black (4)	FS 32
	299	50-2	Residual Mastic; Black (4)	FS 32
Ī	300	51-1	Wallboard (No System)	FS 33
	301	51-2	Wallboard (No System)	FS 33
	,	HA 52	Construction Adesive/Caulk; Beige	Assumed, No Samples Collected
	393	53-1	2'x2' Ceilling Panel; Pinhole/Pockmark; Light Texture	FS 39
	304	53-2	2'x2' Ceiling Panel; Pinhole/Pockmark; Light Texture	FS 39
	305	54-1	Gray Stone Wall Panel Grout; White	FS 37
	306	54-2	Gray Stone Wall Panel Grout; White	FS 34

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ETL Project #: 222 393

Bulk Asbestos Chain of Custody

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

1033

Lab ID	Sample ID	Material Description	Sample Location
	HA 55	Gray Stone Wall Panel Adhesive	Assumed, No Sample Collected
308	56-1	Door Caulk; White; Semi-Pliable	FS 54
309	56-2	Door Caulk; White; Semi-Pliable	FS 38
310	57-1	Fabric Wall Covering	FS 36
311	57-2	Fabric Wall Covering	FS 36
312	58-1	Decorative Plaster	FS 36
313	58-2	Decorative Plaster	FS 36
314	58-3	Decorative Plaster	FS 36
315	58-4	Decorative Plaster	FS 36
316	58-5	Decorative Plaster	FS 36
	HA 59	Ceiling Plaster; Theater Ceiling	Assumed, No Sample Collected
	HA 60	Wall Panel Adhesive	Assumed, No Sample Collected
219	61-1	Window Wall System Glaze	FS 37
320	61-2	Window Wall System Glaze	FS 37
221	62-1	Corrugaled Paper Debris	FS 36
322	62-2	Corrugated Paper Debris	FS 36
31.3	62-3	Corrugated Paper Debris	FS 36
324	63-1	Textured Plaster Wall/Ceiling; Bumpy	FS 58
325	63-2	Textured Plaster Wall/Ceiling; Bumpy	FS 58
326	63-3	Textured Plaster Wall/Ceiling; Bumpy	FS 58
227	64-1	Textured Concrete	FS 61
32-8	64-2	Textured Concrete	FS 61
329	64-3	Textured Concrete	FS 61
330	65-1	Cementious Material	FS 57
331	65-2	Cernentious Material	FS 63
332	66-1	Carpet Adhesive; Yellow/Orange	FS 41
333	66-2	Carpet Adhesive; Yellow/Orange	FS 41

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#### Bulk Asbestos Chain of Custody

ETL Project #: 222 39 3

	Lab ID	Sample ID	Material Description	Sample Location
1037	334	67-1	Textured Plaster, Ceiling; Swirls	FS 52
	335	67-2	Textured Plaster; Ceiling; Swirls	FS 52
	236	67-3	Textured Plaster; Ceiling; Swirls	FS 52
		HA 68	Fire Door	Assumed, No Sample Collected
	338	69-1	Interior Door Caulk; White; Metal Doors	FS 65
	339	69-2	Interior Door Caulk; White; Metal Doors	FS 67
ľ	349	70-1	Brick Mortar; Gray; Associated w/ Red Brick	FS 65
F	341	70-2	Brick Mortar, Gray; Associated w/ Red Brick	FS 68
	342	71-1	CMU Mortar	FS 65
	343	71-2	CMU Mortar	FS 65
	344	72-1	Fire Stop Caulk; Red	FS 67
	345	72-2	Fire Stop Caulk; Red	FS 65
	_	HA 73	Boiler Internals/Gaskets	Assumed, No Sample Collected
	347	74-1	Boiler Exhaust Insulation	FS 67
	3488	74-2	Boiler Exhaust Insulation	FS 67
	349	74-3	Boiler Exhaust Insulation	FS 67
	350	75-1	Interior Caulk; Beige; Around Boiler Exhaust Penetration	FS 67
	351	75-2	Interior Caulk; Beige; Around Boiler Exhaust Penetration	FS 67
		HA 76	Surge Protector, Millboard	Assumed, No Sample Collected
Ī	353	77-1	Duct Insulation; Canvas Wrapped w/ Mudded Layer	FS 68
	354	77-2	Duct Insulation; Canvas Wrapped w/ Mudded Layer	FS 68
	355	77-3	Duct Insulation; Canvas Wrapped w/ Mudded Layer	FS 68
İ	356	78-1	Trowelled on Material; White; Wall Patches	FS 68
	357	78-2	Trowelled on Material; White; Wall Patches	FS 68
İ	358	78-3	Trowelled on Material; White; Wall Patches	FS 68
	359	79-1	Trowelled on Malerial; Gray; Vent to Wall	FS 68
	360	79-2	Trowelled on Material; Gray; Vent to Wall	FS 68

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#### **Bulk Asbestos Chain of Custody**

ETL Project #:

	Lab ID	Sample ID	Material Description	Sample Location
1037	361	79-3	Trowelled on Material; Gray; Vent to Wall	FS 68
		HA 80	HVAC Vibration Material; White; Above Fan Unit	Assumed, No Sample Collected
	363	81-1	Duct Tape; Black/Brown	FS 70
	364	81-2	Duct Tape; Black/Brown	FS 70
	365	82-1	Stone Stair Mortar; White	FS 58
	366	82-2	Stone Stair Mortar; White	FS 58
	367	83-1	Insulation Material; White; Behind Metal Screening	FS 26
B.	368	83-2	Insulation Material; White; Behind Metal Screening	FS 26
	369	83-3	Insulation Material; White; Behind Metal Screening	FS 26
	370	84-1	2'x2' Ceiling Panel; Pockmark/Pinhole	FS 39
	37(	84-2	2'x2' Ceiling Panel; Pockmark/Pinhole	FS 39
	372	85-1	Sink Undercoating	FS 39
	373	86-1	Insulation Material; White; Fiberous	Attic Cat Walk
	374	86-2	Insulation Material; White; Fiberous	Attic Cat Walk
	375	86-3	Insulation Material; White; Fiberous	· Attic Cat Walk
	376	87-1	Carpet Glue; Theatre	Theatre
	377	87-2	Carpet Glue; Theatre	Theatre
	348	88-1	Concrete; Raditor Housing Base	Theatre
	349	88-2	Concrete; Raditor Housing Base	Theatre
	380	88-3	Concrete; Raditor Housing Base	Theatre
	391	89-1	Plaster Skim Coat; Radiator Housing	Theatre
	382	89-2	Plaster Skim Coat; Radiator Housing	Theatre
	363	89-3	Plaster Skim Coat; Radiator Housing	Theatre
	384	89-4	Plaster Skim Coal; Radiator Housing	Theatre
	386	89-5	Plaster Skim Coat; Radiator Housing	Theatre
	386	90-1	Textured Paint; Perforated Wall Panel	Theatre
	387	90-2	Textured Paint; Perforated Wall Panel	Theatre

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**Bulk Asbestos Chain of Custody** 

Lab ID	Sample ID	Material Description	Sample Location
1037388	91-1	Exterior Caulk; Beige On Brick Seams	Exterior
389	91-2	Exterior Caulk; Beige On Brick Seams	Exterior
390	92-1	Door Caulk; Beige; Steel Doors	Exterior
391	92-2	Door Caulk; Beige; Steel Doors	Exterior
392	93-1	Window Glaze; Black; Steel Doors	Exterior
393	93-2	Window Glaze; Black; Steel Doors	Exterior
394	94-1	Brick Mortar; Tan/Gray (Main Mortar)	Exterior
395	94-2	Brick Mortar; Tan/Gray (Main Mortar)	Exterior
396	95-1	Vent Caulk; Gray	Exterior
397	95-2	Vent Caulk; Gray	Exterior
398	96-1	Window Glaze; 2 & 3 Pane Windows	Exterior
399	96-2	Window Glaze; 2 & 3 Pane Windows	Exterior
400	97-1	Exterior Window Caulk; Along Leaded Glass Windows	Exterior
401	97-2	Exterior Window Caulk; Along Leaded Glass Windows	Exterior
402	98-1	Window Glaze; Beige; Leaded Glass Windows	Exterior
403	98-2	Window Glaze; Beige; Leaded Glass Windows	Exterior
494	99-1	Water Proofing; Black	Exterior
405	99-2	Water Proofing; Black	Exterior
406	100-1	Brick Nortar; Associated w/ Sandstone Blocks	Exterior
497	100-2	Brick Mortar; Associated w/ Sandstone Blocks	Exterior
408	101-1	Door Caulk; Gray; Main Entry Doors	Exterior
409	101-2	Door Caulk; Gray; Main Entry Doors	Exterior
410	102-1	Exterior Caulk; White (East Sleps)	Exterior
411	102-2	Exterior Caulk; White (East Steps)	Exterior
412	103-1	Window Glaze; Basement Windows	Exterior
413	103-2	Window Giaze; Basement Windows	Exterior
414	104-1	Exterior Window Caulk; Along Leaded Glass Windows	Exterior

## ENVIRONMENTAL TESTING LABORATORIES, INC 38900 HURON RIVER DRIVE



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ETL Project #: 222 393

Lab ID	Sample ID	Material Description	Sample Location
1037415	104-2	Exterior Window Caulk; Along Leaded Glass Windows	Exterior
			,

## Hilberry Theatre Renovation

# APPENDIX B BUILDING SUMMARY BY FUNCTIONAL SPACE



FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
1	Jazz Underground	LL	12"x12" Floor Tile; Black with White Fleck; W/ Adhesive	1	823	SF		N
1	Jazz Underground	LL	12"x12" Floor Tile; Purple with White Fleck; W/ Adhesive	2	823	SF		N
1	Jazz Underground	LL	Ceiling Plaster; Smooth	3	1645	SF		N
1	Jazz Underground	LL	Wall Plaster; Smooth	4	800	SF		N
1	Jazz Underground	LL	4" Covebase; Black; W/ Adhesive	5	90	LF		N
1	Jazz Underground	LL	No Access Above Plaster Ceiling					
1	Jazz Underground	LL	HVAC Vents inaccessible above ceiling					
2	Lobby	LL	Ceiling Plaster; Smooth	3	350	SF		N
2	Lobby	LL	Wall Plaster; Smooth	4	250	SF		N
2	Lobby	LL	1'x1' Ceiling Tile; Swirl Pattern	6	350	SF		N
2	Lobby	LL	Light Fixture Heat Shield	7	2	SF	Assumed	Α
2	Lobby	LL	Carpet Adhesive; Yellow/Tan	8	350	SF		N
2	Lobby	LL	Residual Mastic; Black (1)	9	350	SF		N
2	Lobby	LL	Fabric Covered Wallboard Panels	10	96	SF		N
2	Lobby	LL	Door Caulk; Beige; Hard; Brittle	11	44	LF		Υ
2	Lobby	LL	Wallboard System	12	75	SF	Donathle Mana	N
2	Lobby	LL	Pipe Insulation; "Mag"	13	30	LF	Possibly More Above Ceiling Possibly More	Υ
2	Lobby	LL	Pipe Fitting; Mudded; Associated with HA 13	14	5	LF	Above Ceiling	Υ
3	Janitors Closet	LL	Ceiling Plaster; Smooth	3	10	SF		N
3	Janitors Closet	LL	Wall Plaster; Smooth	4	50	SF		N

								Asbesots
FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	(Y/N)
3	Janitors Closet	LL	Pipe Insulation; "Mag"	13	15	LF	Possibly More Above Ceiling Possibly More	Υ
3	<b>Janitors Closet</b>	LL	Pipe Fitting; Mudded; Associated with HA 13	14	3	LF	Above Ceiling	Υ
3	Janitors Closet	LL	Interior Caulk; Beige; Along Trim	15	12	LF		Υ
3	Janitors Closet	LL	Residual Mastic; Black (2)	16	10	SF		N
4	Lobby	LL	Ceiling Plaster; Smooth	3	150	SF		N
4	Lobby	LL	Wall Plaster; Smooth	4	300	SF		N
4	Lobby	LL	Light Fixture Heat Shield	7	1	SF	Assumed	Α
4	Lobby	LL	Door Caulk; Beige; Hard; Brittle	11	60	LF		Υ
4	Lobby	LL	Interior Caulk; Beige; Along Trim	15	45	LF		Υ
4	Lobby	LL	Terazzo; Brown w/ Tan and White Aggregate	17	120	SF		N
4	Lobby	LL	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	18	85	SF		Y
5	Corridor	LL	Wall Plaster; Smooth	4	500	SF		N
5	Corridor	LL	Light Fixture Heat Shield	7	1	SF	Assumed	A
5	Corridor	LL	Door Caulk; Beige; Hard; Brittle	11	95	LF		Υ
5	Corridor	LL	Pipe Insulation; "Mag"	13	60	LF	Possibly More Above Ceiling Possibly More	Y
5	Corridor	LL	Pipe Fitting; Mudded; Associated with HA 13	14	10	LF	Above Ceiling	Y
5	Corridor	LL	Terazzo; Brown w/ Tan and White Aggregate	17	240	SF		N
5	Corridor	LL	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	18	240	SF		Y
5	Corridor	LL	Pipe Insulation; "Air Cell"	19	60	LF	Possibly More Above Ceiling Possibly More	Y
5	Corridor	LL	Pipe Fitting; Mudded; Associated with HA 20	20	10	LF	Above Ceiling	Y

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
6	Men's Room	LL	Ceiling Plaster; Smooth	3	100	SF		N
6	Men's Room	LL	Wall Plaster; Smooth	4	320	SF		N
6	Men's Room	LL	Door Caulk; Beige; Hard; Brittle	11	17	LF		_ Y
6	Men's Room	LL	Pipe Insulation; "Mag"	13	20	LF		_ Y
6	Men's Room	LL	Pipe Fitting; Mudded; Associated with HA 13	14	2	LF		_ Y
6	Men's Room	LL	Terazzo; Brown w/ Tan and White Aggregate	17	100	SF		N
6	Men's Room	LL	Pipe Insulation; "Air Cell"	19	6	LF		_ Y
6	Men's Room	LL	Pipe Fitting; Mudded; Associated with HA 20	20	3	LF		_ Y
6	Men's Room	LL	Interior Caulk; White; Around Sinks/Toilets	21	16	LF		N
7	Janitors Closet 12	LL	Ceiling Plaster; Smooth	3	6	SF		N
7	Janitors Closet 12	LL	Wall Plaster; Smooth	4	100	SF		N
7	Janitors Closet 12	LL	Trowelled On Material; Plaster Patch; Tan	22	2	SF		N
8	Womens Room Corridor	LL	Wall Plaster; Smooth	4	296	SF		N
8	Womens Room Corridor	LL	Door Caulk; Beige; Hard; Brittle	11	34	LF		_ Y
8	Womens Room Corridor	LL	Terazzo; Brown w/ Tan and White Aggregate	17	70	SF		N
8	Womens Room Corridor	LL	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	18	70	SF		_ Y
9	Womens Room	LL	Ceiling Plaster; Smooth	3	100	SF		N
9	Womens Room	LL	Wall Plaster; Smooth	4	320	SF		N
9	Womens Room	LL	Door Caulk; Beige; Hard; Brittle	11	17	LF		_ Y
9	Womens Room	LL	Pipe Insulation; "Mag"	13	20	LF		_ Y

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
9	Womens Room	LL	Terazzo; Brown w/ Tan and White Aggregate	17	100	SF		N
9	Womens Room	LL	Pipe Insulation; "Air Cell"	19	10	LF		_ Y
9	Womens Room	LL	Interior Caulk; White; Around Sinks/Toilets	21	16	LF		N
10	Corrdior	LL	Ceiling Plaster; Smooth	3	445	SF		N
10	Corrdior	LL	Wall Plaster; Smooth	4	795	SF		N
10	Corrdior	LL	Door Caulk; Beige; Hard; Brittle	11	34	LF		_ Y
10	Corrdior	LL	Wallboard System	12	128			N
10	Corrdior	LL	Interior Caulk; Beige; Along Trim	15	16	LF		_ Y
10	Corrdior	LL	Residual Mastic; Black (3)	23	445	SF		N
10	Corrdior	LL	No Access Above Plaster Ceiling					
12	Stairwell	LL	Ceiling Plaster; Smooth	3	100	SF		N
12	Stairwell	LL	Wall Plaster; Smooth	4	1500	SF		N
12	Stairwell	LL	Door Caulk; Beige; Hard; Brittle	11	75	LF		Υ
12	Stairwell	LL	Terazzo; Brown w/ Tan and White Aggregate	17	375	SF		N
12	Stairwell	LL	1'x1' Ceiling Tile; Metal; Pinhole; W/ Insulation/Paper Backing	18	200	SF		Y
12	Stairwell	LL	Stair Tread; Black; Sanded Texture	24	45	SF		N
13	Corrdior	LL	Ceiling Plaster; Smooth	3	53	SF		N
13	Corrdior	LL	Wall Plaster; Smooth	4	265	SF		N
13	Corrdior	LL	Door Caulk; Beige; Hard; Brittle	11	52	LF		Y
13	Corrdior	LL	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	25	53	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
13	Corrdior	LL	4" Covebase; Black; Hard/Brittle; w/ Mastic	26	18	LF		N
14	Storage	LL	Ceiling Plaster; Smooth	3	77	SF		_ N
14	Storage	LL	Wall Plaster; Smooth	4	295	SF		_ N
14	Storage	LL	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
14	Storage	LL	Door Caulk; Beige; Hard; Brittle	11	343	LF		_ Y
14	Storage	LL	Interior Caulk; Beige; Along Trim	15	36	LF		_ Y
14	Storage	LL	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	25	77	SF		_ N
14	Storage	LL	4" Covebase; Black; Hard/Brittle; w/ Mastic	26	36	LF		_ N
15	Storage	LL	Ceiling Plaster; Smooth	3	77	SF		_ N
15	Storage	LL	Wall Plaster; Smooth	4	295	SF		_ N
15	Storage	LL	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
15	Storage	LL	Door Caulk; Beige; Hard; Brittle	11	343	LF		_ Y
15	Storage	LL	Interior Caulk; Beige; Along Trim	15	36	LF		_ Y
15	Storage	LL	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	25	77	SF		_ N
15	Storage	LL	4" Covebase; Black; Hard/Brittle; w/ Mastic	26	36	LF		_ N
16	Corrdior	LL	Ceiling Plaster; Smooth	3	150	SF		_ N
16	Corrdior	LL	Wall Plaster; Smooth	4	400	SF		N
16	Corrdior	LL	Door Caulk; Beige; Hard; Brittle	11	52	LF		_ Y
16	Corrdior	LL	Interior Caulk; Beige; Along Trim	15	60	LF		_ Y
16	Corrdior	LL	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	25	150	SF		_ N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
16	Corrdior	LL	4" Covebase; Black; Hard/Brittle; w/ Mastic	26	60	LF		_ N
17	Dresing Room Corridor	LL	Ceiling Plaster; Smooth	3	100	SF		N
17	Dresing Room Corridor	LL	Wall Plaster; Smooth	4	65	SF		N
17	Dresing Room Corridor	LL	Door Caulk; Beige; Hard; Brittle	11	17	LF		_ Y
17	Dresing Room Corridor	LL	Wallboard System	12	145	SF		N
17	Dresing Room Corridor	LL	Interior Caulk; Beige; Along Trim	15	12	LF		_ Y
17	Dresing Room Corridor	LL	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	25	100	SF		_ N
17	Dresing Room Corridor	LL	4" Covebase; Black; Hard/Brittle; w/ Mastic	26	12	LF		N
18	Dressing Room	LL	Ceiling Plaster; Smooth	3	140	SF		N
18	Dressing Room	LL	Wall Plaster; Smooth	4	155	SF		N
18	Dressing Room	LL	Wallboard System	12	100	SF		N
18	Dressing Room	LL	Interior Caulk; Beige; Along Trim	15	30	LF		_ Y
18	Dressing Room	LL	9"x9" Floor Tile; Brown w/ Tan Streaks w/ Mastic	25	140	SF		N
19	Dressing Room	LL	Ceiling Plaster; Smooth	3	150	SF		N
19	Dressing Room	LL	Wall Plaster; Smooth	4	175	SF		N
19	Dressing Room	LL	Wallboard System	12	150	SF		N
19	Dressing Room	LL	Interior Caulk; Beige; Along Trim	15	45	LF		_ Y
20	Shop Area	LL	12"x12" Floor Tile; Black with White Fleck; W/ Adhesive	1	625	SF		N
20	Shop Area	LL	12"x12" Floor Tile; Purple with White Fleck; W/ Adhesive	2	625	SF		N
20	Shop Area	LL	Ceiling Plaster; Smooth	3	1245	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
Τοπ	15 Description		•	ПΑπ			Hotes	(1/11)
20	Shop Area	LL	Wall Plaster; Smooth	4	900	SF		N
20	Shop Area	LL	Wallboard System	12	150	SF	Daniel Man	N
20	Shop Area	LL	Pipe Insulation; "Air Cell"	19	210	LF	Possibly More Above Ceilings	Υ
20	Shop Area	LL	Pipe Fitting; Mudded; Associated with HA 20	20	25	LF	y More Above (	Υ
21	Lobby	1st	Ceiling Plaster; Smooth	3	4025	SF		N
21	Lobby	1st	Wall Plaster; Smooth	4	3000	SF		N
21	Lobby	1st	Interior Caulk; Beige; Along Trim	15	300	LF		Υ
21	Lobby	1st	12"x24" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	27	16	SF	Assumed	Α
21	Lobby	1st	Fire Brick; 1.5"x8"; Tan/Brown	28	16	SF	Assumed	Α
21	Lobby	1st	Fire Place Surround; Mortar/Grout	29	60	SF	Assumed	Α
21	Lobby	1st	Marble Adhesive; Stairwell Steps; White	30	36	SF		N
21	Lobby	1st	Interior Caulk; Off White; Along Decorative Trim	31	180	LF		N
21	Lobby	1st	16"x16" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	32	420	SF	Assumed	Α
21	Lobby	1st	Carpet Adhesive; Yellow; Sticky	33	3000	SF		N
21	Lobby	1st	1"x1" Tile Mosaic; Grout/Mortar	34	3000	SF	Assumed	Α
21	Lobby	1st	Radiator Backing Material (Under Top of Shroud)	45	36	SF		Υ
22	Janitors Closet	1st	Wall Plaster; Smooth	4	225	SF		N
22	Janitors Closet	1st	2'x4' Ceiling Panel; Pinehole/ Long Crevase	35	64	SF		N
22	Janitors Closet	1st	Trowelled On Material; Plaster Patch; White	36	3	SF		N
23	Unisex Bathroom	1st	Ceiling Plaster; Smooth	3	65	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
23	Unisex Bathroom	1st	Pipe Insulation; "Air Cell"	19	10	LF		_ Y
23	Unisex Bathroom	1st	Interior Caulk; White; Around Sinks/Toilets	21	16	LF		N
23	Unisex Bathroom	1st	12"x12" Marble Tile; Beige w/ Rust Streaks; w/ Mortar/Grout	37	65	SF	Assumed	_ A
23	Unisex Bathroom	1st	2'x2' Ceiling Panel; Rough Texture; Recessed	38	65	SF		N
23	Unisex Bathroom	1st	Wallboard System (2)	39	185	SF		_ N
23	Unisex Bathroom	1st	Mirror Adhesive	40	2	SF	Assumed	_ A
24	Coat Check	1st	Ceiling Plaster; Smooth	3	45	SF		N
24	Coat Check	1st	Wall Plaster; Smooth	4	120	SF		_ N
24	Coat Check	1st	4" Covebase; Black; W/ Adhesive	5	24	LF		N
24	Coat Check	1st	Carpet Adhesive; Yellow/Tan	8	45	SF		_ N
24	Coat Check	1st	Terazzo; Brown w/ Tan and White Aggregate	17	45	SF		N
24	Coat Check	1st	Interior Caulk; Off White; Along Decorative Trim	31	34	LF		N
24	Coat Check	1st	Interior Caulk; Beige; Around Window Trim	41	15	LF		N
25	Mech./Elect.	1st	Ceiling Plaster; Smooth	3	400	SF		N
25	Mech./Elect.	1st	Wall Plaster; Smooth	4	420	SF		N
25	Mech./Elect.	1st	Interior Caulk; Beige; Along Trim	15	45	LF		_ Y
25	Mech./Elect.	1st	Terazzo; Brown w/ Tan and White Aggregate	17	400	SF		N
25	Mech./Elect.	1st	Pipe Insulation; "Air Cell"	19	10	LF		_ Y
25	Mech./Elect.	1st	Wallboard System (2)	39	100	SF		_ N
25	Mech./Elect.	1st	Interior Caulk; Beige; Around Window Trim	41	15	LF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
25	Mech./Elect.	1st	Pipe Insulation; Cavas Wrapped Fiber Glass; Old; Green	42	55	LF		N
25	Mech./Elect.	1st	Pipe Fitting; Mudded; Assocaited w/ HA 42	43	22	LF		N
25	Mech./Elect.	1st	HVAC Fabric; Canvas; Black/Green	44	6	SF		N
25	Mech./Elect.	1st	Radiator Backing Material (Under Top of Shroud)	45	6	SF		_ Y
26	Mech Room	1st	HVAC Fabric; Canvas; Black/Green	44	6	SF		N
26	Mech Room	1st	Pipe Insulation; Foil Wrapped Fiberglass; Green	46	60	LF		N
26	Mech Room	1st	Pipe Fitting; Mudded; Associated w/ HA 46	47	20	LF		N
26	Mech Room	1st	Trowelled on Material; Tan/Gray; Around Penetrations	48	8	SF		N
26	Mech Room	1st	Insulation Material; White; Behind Metal Screening	83	1000	SF		N
28	Corrdior	1st	4" Covebase; Black; W/ Adhesive	5	22	LF		N
28	Corrdior	1st	Interior Caulk; Off White; Along Decorative Trim	31	17	LF		N
28	Corrdior	1st	Wallboard System (2)	39	290	SF		N
28	Corrdior	1st	12"x12" Floor Tile; Off White w/ Black Specks w/ Adhesive	49	53	SF		N
29	Lift Controls	1st	4" Covebase; Black; W/ Adhesive	5	12	LF		N
29	Lift Controls	1st	Wallboard System (2)	39	165	SF		N
29	Lift Controls	1st	12"x12" Floor Tile; Off White w/ Black Specks w/ Adhesive	49	10	SF		N
31	Box Office	1st	Ceiling Plaster; Smooth	3	45	SF		N
31	Box Office	1st	Wall Plaster; Smooth	4	120	SF		N
31	Box Office	1st	Carpet Adhesive; Yellow/Tan	8	45	SF		N
31	Box Office	1st	Terazzo; Brown w/ Tan and White Aggregate	17	45	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
31	Box Office	1st	Interior Caulk; Off White; Along Decorative Trim	31	34	LF		N
31	Box Office	1st	Interior Caulk; Beige; Around Window Trim	41	15	LF		 N
31	Box Office	1st	Residual Mastic; Black (4)	50	45	SF		 N
32	Office	1st	Ceiling Plaster; Smooth	3	288	SF		N
32	Office	1st	Wall Plaster; Smooth	4	400	SF		N
32	Office	1st	Carpet Adhesive; Yellow/Tan	8	288	SF		N
32	Office	1st	Terazzo; Brown w/ Tan and White Aggregate	17	288	SF		N
32	Office	1st	Pipe Insulation; "Air Cell"	19	40	LF		Y
32	Office	1st	Interior Caulk; Off White; Along Decorative Trim	31	34	LF		N
32	Office	1st	Interior Caulk; Beige; Around Window Trim	41	15	LF		N
32	Office	1st	Pipe Insulation; Foil Wrapped Fiberglass; Green	46	20	LF		N
32	Office	1st	Pipe Fitting; Mudded; Associated w/ HA 46	47	2	LF		N
32	Office	1st	Residual Mastic; Black (4)	50	288	SF		N
33	Furnace Room	1st	Ceiling Plaster; Smooth	3	100	SF		N
33	Furnace Room	1st	Wall Plaster; Smooth	4	110	SF		N
33	Furnace Room	1st	Interior Caulk; Beige; Along Trim	15	30	LF		_ Y
33	Furnace Room	1st	Terazzo; Brown w/ Tan and White Aggregate	17	100	SF		N
33	Furnace Room	1st	Pipe Insulation; "Air Cell"	19	12	LF		Y
33	Furnace Room	1st	Pipe Fitting; Mudded; Associated with HA 20	20	4	LF		_ Y
33	Furnace Room	1st	Pipe Insulation; Cavas Wrapped Fiber Glass; Old; Green	42	10	LF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
33	Furnace Room	1st	Pipe Fitting; Mudded; Assocaited w/ HA 42	43	18	LF		N
33	Furnace Room	1st	HVAC Fabric; Canvas; Black/Green	44	6	SF		N
33	Furnace Room	1st	Wallboard (No System)	51	100	SF		N
33	Furnace Room	1st	Construction Adesive/Caulk; Beige	52	2	SF		_ A
34	Womens Room	2nd	Ceiling Plaster; Smooth	3	313	SF		N
34	Womens Room	2nd	Wall Plaster; Smooth	4	1450	SF		N
34	Womens Room	2nd	Interior Caulk; Beige; Along Trim	15	10	LF		_ Y
34	Womens Room	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	313	SF		N
34	Womens Room	2nd	Interior Caulk; White; Around Sinks/Toilets	21	42	LF		N
34	Womens Room	2nd	Wallboard System (2)	39	1000	SF		_ N
34	Womens Room	2nd	Mirror Adhesive	40	6	SF	Assumed	_ A
34	Womens Room	2nd	Interior Caulk; Beige; Around Window Trim	41	90	LF		N
34	Womens Room	2nd	2'x2' Ceiling Panel; Pinhole/Pockmark; Light Texture	53	213	SF		_ N
34	Womens Room	2nd	Gray Stone Wall Panel Grout; White	54	2	SF		N
34	Womens Room	2nd	Gray Stone Wall Panel Adhesive	55	24	SF		N
35	North East Stairwell	2nd	Ceiling Plaster; Smooth	3	400	SF		N
35	North East Stairwell	2nd	Wall Plaster; Smooth	4	950	SF		N
35	North East Stairwell	2nd	Interior Caulk; Beige; Along Trim	15	100	LF		_ Y
35	North East Stairwell	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	400	SF		N
35	North East Stairwell	2nd	Interior Caulk; Off White; Along Decorative Trim	31	76	LF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
35	North East Stairwell	2nd	Interior Caulk; Beige; Around Window Trim	41	65	LF		N
35	North East Stairwell	2nd	Door Caulk; White; Semi-Pliable	56	51	LF		_ N
36	Upper Blacony Seating	2nd	Wall Plaster; Smooth	4	2500	SF		N
36	Upper Blacony Seating	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	3000	SF		N
36	Upper Blacony Seating	2nd	Fabric Wall Covering	57	600	SF		N
36	Upper Blacony Seating	2nd	Decorative Plaster	58	450	SF		N
36	<b>Upper Blacony Seating</b>	2nd	Ceiling Plaster; Theater Ceiling	59	3000	SF	Assumed	_ A
36	<b>Upper Blacony Seating</b>	2nd	Corrugated Paper Debris	62	3	SF		_ Y
37	Mens Room	2nd	Ceiling Plaster; Smooth	3	313	SF		N
37	Mens Room	2nd	Wall Plaster; Smooth	4	2400	SF		N
37	Mens Room	2nd	Interior Caulk; Beige; Along Trim	15	10	LF		_ Y
37	Mens Room	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	313	SF		N
37	Mens Room	2nd	Interior Caulk; White; Around Sinks/Toilets	21	42	LF		N
37	Mens Room	2nd	Interior Caulk; Beige; Around Window Trim	41	90	LF		N
37	Mens Room	2nd	Radiator Backing Material (Under Top of Shroud)	45	6	SF		_ Y
37	Mens Room	2nd	Gray Stone Wall Panel Grout; White	54	2	SF		N
37	Mens Room	2nd	Gray Stone Wall Panel Adhesive	55	24	SF		N
37	Mens Room	2nd	Wall Panel Adhesive	60	24	SF	Assumed	_ A
37	Mens Room	2nd	Window Wall System Glaze	61	48	LF		_ N
38	North West Stairwell	2nd	Ceiling Plaster; Smooth	3	400	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
38	North West Stairwell	2nd	Wall Plaster; Smooth	4	950	SF		N
38	North West Stairwell	2nd	Interior Caulk; Beige; Along Trim	15	100	LF		_ Y
38	North West Stairwell	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	400	SF		N
38	North West Stairwell	2nd	Interior Caulk; Off White; Along Decorative Trim	31	76	LF		N
38	North West Stairwell	2nd	Interior Caulk; Beige; Around Window Trim	41	65	LF		N
38	North West Stairwell	2nd	Door Caulk; White; Semi-Pliable	56	51	LF		N
39	Lounge	2nd	Ceiling Plaster; Smooth	3	1650	SF		N
39	Lounge	2nd	Wall Plaster; Smooth	4	2080	SF		N
39	Lounge	2nd	Interior Caulk; Beige; Along Trim	15	265	LF		_ Y
39	Lounge	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	1650	SF		N
39	Lounge	2nd	Interior Caulk; Beige; Around Window Trim	41	105	LF		_ N
39	Lounge	2nd	Radiator Backing Material (Under Top of Shroud)	45	42	SF		_ Y
39	Lounge	2nd	2'x2' Ceiling Panel; Pinhole/Pockmark; Light Texture	53	1650	SF		N
39	Lounge	2nd	Door Caulk; White; Semi-Pliable	56	75	LF		N
39	Lounge	2nd	2'x2' Ceiling Panel; Pockmark/Pinhole	84	36	SF		N
39	Lounge	2nd	Sink Undercoating	85	6	SF		N
40	BOH Entry	1st	Ceiling Plaster; Smooth	3	398	SF		N
40	BOH Entry	1st	Wall Plaster; Smooth	4	400	SF		N
40	BOH Entry	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
40	BOH Entry	1st	Door Caulk; Beige; Hard; Brittle	11	57	LF		_ Y

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
40	BOH Entry	1st	Interior Caulk; Beige; Along Trim	15	80	LF		Υ
40	BOH Entry	1st	Terazzo; Brown w/ Tan and White Aggregate	17	398	SF		_ N
40	BOH Entry	1st	Stair Tread; Black; Sanded Texture	24	6	SF		N
40	BOH Entry	1st	1"x1" Tile Mosaic; Grout/Mortar	34	80	SF	Assumed	_ A
40	BOH Entry	1st	Interior Caulk; Beige; Around Window Trim	41	45	LF		N
40	BOH Entry	1st	Radiator Backing Material (Under Top of Shroud)	45	6	SF		_ Y
41	Corridor	1st	Ceiling Plaster; Smooth	3	308	SF		N
41	Corridor	1st	Wall Plaster; Smooth	4	1080	SF		N
41	Corridor	1st	Light Fixture Heat Shield	7	4	SF	Assumed	_ A
41	Corridor	1st	Interior Caulk; Beige; Along Trim	15	160	LF		_ Y
41	Corridor	1st	Terazzo; Brown w/ Tan and White Aggregate	17	308	SF		N
41	Corridor	1st	Door Caulk; White; Semi-Pliable	56	207	LF		N
41	Corridor	1st	Carpet Adhesive; Yellow/Orange	66	308			N
42	Storage	1st	Ceiling Plaster; Smooth	3	117	SF		_ N
42	Storage	1st	Wall Plaster; Smooth	4	400	SF		N
42	Storage	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
42	Storage	1st	Pipe Insulation; "Mag"	13	10	LF		_ Y
42	Storage	1st	Interior Caulk; Beige; Along Trim	15	40	LF		_ Y
42	Storage	1st	Terazzo; Brown w/ Tan and White Aggregate	17	117	SF		N
42	Storage	1st	Interior Caulk; Beige; Around Window Trim	41	26	LF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
42	Storage	1st	Radiator Backing Material (Under Top of Shroud)	45	3	SF		_ Y
42	Storage	1st	Door Caulk; White; Semi-Pliable	56	34	LF		_ N
43	Stage Manager	1st	Ceiling Plaster; Smooth	3	91	SF		_ N
43	Stage Manager	1st	Wall Plaster; Smooth	4	400	SF		_ N
43	Stage Manager	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
43	Stage Manager	1st	Pipe Insulation; "Mag"	13	10	LF		_ Y
43	Stage Manager	1st	Interior Caulk; Beige; Along Trim	15	40	LF		_ Y
43	Stage Manager	1st	Terazzo; Brown w/ Tan and White Aggregate	17	91	SF		_ N
43	Stage Manager	1st	Interior Caulk; Beige; Around Window Trim	41	26	LF		_ N
43	Stage Manager	1st	Radiator Backing Material (Under Top of Shroud)	45	3	SF		_ Y
43	Stage Manager	1st	Door Caulk; White; Semi-Pliable	56	34	LF		_ N
45	Rest Room	1st	Ceiling Plaster; Smooth	3	44	SF		_ N
45	Rest Room	1st	Wall Plaster; Smooth	4	296	SF		_ N
45	Rest Room	1st	Terazzo; Brown w/ Tan and White Aggregate	17	44	SF		_ N
45	Rest Room	1st	Interior Caulk; White; Around Sinks/Toilets	21	12	LF		_ N
45	Rest Room	1st	Interior Caulk; Beige; Around Window Trim	41	13	LF		_ N
45	Rest Room	1st	Radiator Backing Material (Under Top of Shroud)	45	1	SF		_ Y
45	Rest Room	1st	Door Caulk; White; Semi-Pliable	56	17	LF		_ N
46	Laundry	1st	Ceiling Plaster; Smooth	3	91	SF		_ N
46	Laundry	1st	Wall Plaster; Smooth	4	400	SF		_ N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
46	Laundry	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
46	Laundry	1st	Pipe Insulation; "Mag"	13	10	LF		_ Y
46	Laundry	1st	Interior Caulk; Beige; Along Trim	15	40	LF		_ Y
46	Laundry	1st	Terazzo; Brown w/ Tan and White Aggregate	17	91	SF		N
46	Laundry	1st	Interior Caulk; Beige; Around Window Trim	41	13	LF		N
46	Laundry	1st	Radiator Backing Material (Under Top of Shroud)	45	2	SF		_ Y
46	Laundry	1st	Door Caulk; White; Semi-Pliable	56	34	LF		_ N
47	Laundry Closet	1st	Ceiling Plaster; Smooth	3	8	SF		N
47	Laundry Closet	1st	Wall Plaster; Smooth	4	100	SF		N
47	Laundry Closet	1st	Interior Caulk; Beige; Along Trim	15	9	LF		_ Y
47	Laundry Closet	1st	Terazzo; Brown w/ Tan and White Aggregate	17	8	SF		_ N
47	Laundry Closet	1st	Door Caulk; White; Semi-Pliable	56	17	LF		N
48	Janitors Closet	1st	Ceiling Plaster; Smooth	3	10	SF		N
48	Janitors Closet	1st	Wall Plaster; Smooth	4	100	SF		N
48	Janitors Closet	1st	Pipe Insulation; Foil Wrapped Fiberglass; Green	46	5	LF		_ N
48	Janitors Closet	1st	Pipe Fitting; Mudded; Associated w/ HA 46	47	4	LF		_ N
48	Janitors Closet	1st	Door Caulk; White; Semi-Pliable	56	17	LF		_ N
48	Janitors Closet	1st	Cementious Material	65	10	SF		_ N
49	Wardrobe	1st	Ceiling Plaster; Smooth	3	91	SF		N
49	Wardrobe	1st	Wall Plaster; Smooth	4	400	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
49	Wardrobe	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
49	Wardrobe	1st	Interior Caulk; Beige; Along Trim	15	40	LF		_ Y
49	Wardrobe	1st	Terazzo; Brown w/ Tan and White Aggregate	17	91	SF		N
49	Wardrobe	1st	Interior Caulk; Beige; Around Window Trim	41	13	LF		N
49	Wardrobe	1st	Radiator Backing Material (Under Top of Shroud)	45	2	SF		_ Y
49	Wardrobe	1st	Door Caulk; White; Semi-Pliable	56	34	LF		N
50	Wardrobe Closet	1st	Ceiling Plaster; Smooth	3	8	SF		N
50	Wardrobe Closet	1st	Wall Plaster; Smooth	4	100	SF		N
50	Wardrobe Closet	1st	Interior Caulk; Beige; Along Trim	15	9	LF		_ Y
50	Wardrobe Closet	1st	Terazzo; Brown w/ Tan and White Aggregate	17	8	SF		_ N
50	Wardrobe Closet	1st	Door Caulk; White; Semi-Pliable	56	17	LF		N
51	Rest Room	1st	Ceiling Plaster; Smooth	3	44	SF		N
51	Rest Room	1st	Wall Plaster; Smooth	4	296	SF		N
51	Rest Room	1st	Terazzo; Brown w/ Tan and White Aggregate	17	44	SF		N
51	Rest Room	1st	Interior Caulk; White; Around Sinks/Toilets	21	12	LF		_ N
51	Rest Room	1st	Interior Caulk; Beige; Around Window Trim	41	13	LF		N
51	Rest Room	1st	Radiator Backing Material (Under Top of Shroud)	45	2	SF		_ Y
51	Rest Room	1st	Door Caulk; White; Semi-Pliable	56	17	LF		_ N
52	Storage	1st	Ceiling Plaster; Smooth	3	91	SF		N
52	Storage	1st	Wall Plaster; Smooth	4	400	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
52	Storage	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
52	Storage	1st	Pipe Insulation; "Mag"	13	10	LF		_ Y
52	Storage	1st	Interior Caulk; Beige; Along Trim	15	40	LF		_ Y
52	Storage	1st	Terazzo; Brown w/ Tan and White Aggregate	17	91	SF		N
52	Storage	1st	Interior Caulk; Beige; Around Window Trim	41	26	LF		N
52	Storage	1st	Radiator Backing Material (Under Top of Shroud)	45	3	SF		_ Y
52	Storage	1st	Door Caulk; White; Semi-Pliable	56	34	LF		N
52	Storage	1st	Textured Plaster; Ceiling; Swirls	67	91	SF		_ N
53	Storage Closet	1st	Ceiling Plaster; Smooth	3	8	SF		N
53	Storage Closet	1st	Wall Plaster; Smooth	4	100	SF		_ N
53	Storage Closet	1st	Interior Caulk; Beige; Along Trim	15	9	LF		_ Y
53	Storage Closet	1st	Terazzo; Brown w/ Tan and White Aggregate	17	8	SF		_ N
53	Storage Closet	1st	Door Caulk; White; Semi-Pliable	56	17	LF		_ N
54	Corridor	1st	Ceiling Plaster; Smooth	3	95	SF		_ N
54	Corridor	1st	Wall Plaster; Smooth	4	210	SF		_ N
54	Corridor	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
54	Corridor	1st	Pipe Insulation; "Mag"	13	10	LF		_ Y
54	Corridor	1st	Pipe Fitting; Mudded; Associated with HA 13	14	2	LF		_ Y
54	Corridor	1st	Interior Caulk; Beige; Along Trim	15	22	LF		_ Y
54	Corridor	1st	Terazzo; Brown w/ Tan and White Aggregate	17	95	SF		N

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
54	Corridor	1st	Radiator Backing Material (Under Top of Shroud)	45	2	SF		Υ
54	Corridor	1st	Door Caulk; White; Semi-Pliable	56	76	LF		N
56	Elect./MDF	1st	Ceiling Plaster; Smooth	3	95	SF		N
56	Elect./MDF	1st	Wall Plaster; Smooth	4	115	SF		N
56	Elect./MDF	1st	Pipe Insulation; "Mag"	13	20	LF		_ Y
56	Elect./MDF	1st	Pipe Fitting; Mudded; Associated with HA 13	14	4	LF		_ Y
56	Elect./MDF	1st	Interior Caulk; Beige; Along Trim	15	26	LF		_ Y
56	Elect./MDF	1st	Radiator Backing Material (Under Top of Shroud)	45	2	SF		_ Y
56	Elect./MDF	1st	Door Caulk; White; Semi-Pliable	56	34	LF		N
56	Elect./MDF	1st	Fire Door	68	1	Each	Assumed	_ A
57	South West Stairwell	1st	Ceiling Plaster; Smooth	3	108	SF		N
57	South West Stairwell	1st	Wall Plaster; Smooth	4	375	SF		N
57	South West Stairwell	1st	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
57	South West Stairwell	1st	Stair Tread; Black; Sanded Texture	24	6	SF		N
57	South West Stairwell	1st	Door Caulk; White; Semi-Pliable	56	51	LF		N
57	South West Stairwell	1st	Cementious Material	65	108	SF		N
57	South West Stairwell	1st	Interior Door Caulk; White; Metal Entry Doors	69	30	LF		N
58	South East Stairwell	2nd	Wall Plaster; Smooth	4	115	SF		N
58	South East Stairwell	2nd	Light Fixture Heat Shield	7	1	SF	Assumed	Α
58	South East Stairwell	2nd	Pipe Insulation; "Mag"	13	20	LF		_ Y

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
58	South East Stairwell	2nd	Interior Caulk; Beige; Along Trim	15	80	LF		_ Y
58	South East Stairwell	2nd	Stair Tread; Black; Sanded Texture	24	6	6 SF		N
58	South East Stairwell	2nd	Textured Plaster Wall/Ceiling; Bumpy	63	400	SF		N
58	South East Stairwell	2nd	Stone Stair Mortar; White	82	3	SF		N
59	Mens Dressing Room	2nd	Ceiling Plaster; Smooth	3	400	SF		N
59	Mens Dressing Room	2nd	Wall Plaster; Smooth	4	850	SF		N
59	Mens Dressing Room	2nd	Pipe Insulation; "Mag"	13	20	LF		_ Y
59	Mens Dressing Room	2nd	Interior Caulk; Beige; Along Trim	15	65	LF		_ Y
59	Mens Dressing Room	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	300	SF		N
59	Mens Dressing Room	2nd	1"x1" Tile Mosaic; Grout/Mortar	34	10	SF	Assumed	_ A
59	Mens Dressing Room	2nd	Mirror Adhesive	40	6	SF	Assumed	_ A
59	Mens Dressing Room	2nd	Interior Caulk; Beige; Around Window Trim	41	120	LF		N
59	Mens Dressing Room	2nd	Radiator Backing Material (Under Top of Shroud)	45	12	SF		_ Y
60	Mens Lounge	2nd	Ceiling Plaster; Smooth	3	175	SF		N
60	Mens Lounge	2nd	Wall Plaster; Smooth	4	1000	SF		N
60	Mens Lounge	2nd	Pipe Insulation; "Mag"	13	20	LF		_ Y
60	Mens Lounge	2nd	Interior Caulk; Beige; Along Trim	15	50	LF		_ Y
60	Mens Lounge	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	175	SF		N
60	Mens Lounge	2nd	1"x1" Tile Mosaic; Grout/Mortar	34	5	SF	Assumed	_ A
60	Mens Lounge	2nd	Mirror Adhesive	40	6	SF	Assumed	Α

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
60	Mens Lounge	2nd	Interior Caulk; Beige; Around Window Trim	41	40	LF		N
60	Mens Lounge	2nd	Radiator Backing Material (Under Top of Shroud)	45	6	SF		_ Y
61	Organ Loft	2nd	Ceiling Plaster; Theater Ceiling	59	650	SF	Assumed	_ A
61	Organ Loft	2nd	Textured Concrete	64	1840			_ N
62	Womens Dressing Room	2nd	Ceiling Plaster; Smooth	3	550	SF		_ N
62	Womens Dressing Room Womens Dressing	2nd	Wall Plaster; Smooth	4	1600	SF		N
62	Room Womens Dressing	2nd	Pipe Insulation; "Mag"	13	15	LF		_ Y
62	Room	2nd	Interior Caulk; Beige; Along Trim	15	160	LF		_ Y
62	Womens Dressing Room Womens Dressing	2nd	Terazzo; Brown w/ Tan and White Aggregate	17	550	SF		_ N
62	Room	2nd	1"x1" Tile Mosaic; Grout/Mortar	34	10	SF	Assumed	_ A
62	Womens Dressing Room Womens Dressing	2nd	Interior Caulk; Beige; Around Window Trim	41	65	LF		_ N
62	Room	2nd	Radiator Backing Material (Under Top of Shroud)	45	12	SF		_ Y
63	South West Stairwell	2nd	Ceiling Plaster; Smooth	3	400	SF		_ N
63	South West Stairwell	2nd	Wall Plaster; Smooth	4	2000	SF		_ N
63	South West Stairwell	2nd	Light Fixture Heat Shield	7	1	SF	Assumed	_ A
63	South West Stairwell	2nd	Door Caulk; Beige; Hard; Brittle	11	65	LF		_ Y
63	South West Stairwell	2nd	Interior Caulk; Beige; Around Window Trim	41	30	LF		_ N
63	South West Stairwell	2nd	Radiator Backing Material (Under Top of Shroud)	45	6	SF		_ Y
63	South West Stairwell	2nd	Cementious Stairtread Material	65	120	SF		_ N
64	Stairwell	LL	Pipe Insulation; "Air Cell"	19	12	LF		Υ

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
64	Stairwell	LL	Pipe Fitting; Mudded; Associated with HA 20	20	5	LF		Υ
64	Stairwell	LL	Door Caulk; White; Semi-Pliable	56	17	LF		N
64	Stairwell	LL	Fire Door	68	1	Each	Assumed	Α
65	Mech Room	LL	Pipe Insulation; "Mag"	13	6	LF		Y
65	Mech Room	LL	Interior Door Caulk; White; Metal Doors	69	17	LF		N
65	Mech Room	LL	Brick Mortar; Gray; Associated w/ Red Brick	70	120	SF		N
65	Mech Room	LL	CMU Mortar	71	240	SF		N
65	Mech Room	LL	Fire Stop Caulk; Red	72	6	SF		N
65	Mech Room	LL	Newer Non-Suspect Fiberglass TSI					_
66	Maintenance Room	LL	Pipe Insulation; "Air Cell"	19	14	LF		_ Y
66	Maintenance Room	LL	Pipe Fitting; Mudded; Associated with HA 20	20	2	LF		_ Y
67	Boiler Room	LL	Interior Door Caulk; White; Metal Doors	69	17	LF		_ N
67	Boiler Room	LL	Fire Stop Caulk; Red	72	6	SF		N
67	Boiler Room	LL	Boiler Internals/Gaskets	73	3	Each	Assumed	_ A
67	Boiler Room	LL	Boiler Exhaust Insulation	74	45	LF		N
67	Boiler Room	LL	Interior Caulk; Beige; Around Boiler Exhaust Penetration	75	12	LF		N
67	Boiler Room	LL	Newer Non-Suspect Fiberglass TSI					_
68	Mech Room	LL	Pipe Insulation; "Mag"	13	55	LF		_ Y
68	Mech Room	LL	Pipe Fitting; Mudded; Associated with HA 13	14	5	LF		_ Y
68	Mech Room	LL	Pipe Insulation; "Air Cell"	19	85	LF		Υ

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
68	Mech Room	LL	Pipe Fitting; Mudded; Associated with HA 20	20	9	LF		Y
68	Mech Room	LL	HVAC Fabric; Canvas; Black/Green	44	12	SF		N
68	Mech Room	LL	Pipe Insulation; Foil Wrapped Fiberglass	Pipe Insulation; Foil Wrapped Fiberglass 46 175 LF		LF		N
68	Mech Room	LL	Brick Mortar; Gray; Associated w/ Red Brick	70	240	SF		N
68	Mech Room	LL	Surge Protector	76	2	SF	Assumed	_ A
68	Mech Room	LL	Duct Insulation; Canvas Wrapped w/ Mudded Layer	77	210	SF		_ Y
68	Mech Room	LL	Trowelled on Material; White; Wall Patches	78	10	SF		_ N
68	Mech Room	LL	Trowelled on Material; Gray; Vent to Wall	79	3	SF		_ N
68	Mech Room	LL	Non Suspect Fiber Glass Duct Insulation w/ Plastic Covering					_
68	Mech Room	LL	Newer Non-Suspect Fiberglass TSI					_
69	Fire Room	LL	Pipe Insulation; "Air Cell"	19	25	LF		_ Y
69	Fire Room	LL	Pipe Fitting; Mudded; Associated with HA 20	20	4	LF		_ Y
69	Fire Room	LL	Brick Mortar; Gray; Associated w/ Red Brick	70	240	SF		N
70	Mech Room	LL	Pipe Insulation; "Air Cell"	19	38	LF		_ Y
70	Mech Room	LL	Pipe Fitting; Mudded; Associated with HA 20	20	4	LF		_ Y
70	Mech Room	LL	HVAC Vibration Material; White; Above Fan Unit	80	4	SF	Assumed	_ A
70	Mech Room	LL	Duct Tape; Black/Brown	81	3	SF		_ N
ATTIC	ATTIC	3rd	Pipe Insulation; "Mag"	13	UNQ	LF		_ Y
ATTIC	ATTIC	3rd	Pipe Fitting; Mudded; Associated with HA 13	14	UNQ	LF		_ Y
Attic	Attic	3rd	Pipe Insulation; "Air Cell"	19	UNQ	LF		Y

FS#	FS Description	Level	Homogeneous Area Description	HA#	Amount	Units	Notes	Asbesots (Y/N)
Attic	Attic	3rd	Pipe Fitting; Mudded; Associated with HA 20	20	UNQ	LF		Υ
EXT	Exerior	1st	Exterior Caulk; Beige On Brick Seams	91	650	LF		N
EXT	Exerior	1st	Door Caulk; Beige; Steel Doors	92	30	LF		N
EXT	Exerior	1st	Window Glaze; Black; Steel Doors	93	18	LF		N
EXT	Exerior	1st	Brick Mortar; Tan/Gray (Main Mortar)	94	UNQ	SF		N
EXT	Exerior	1st	Vent Caulk; Gray	95	26	LF		N
EXT	Exerior	1st	Window Glaze; 2 & 3 Pane Windows	96	242	LF		Υ
EXT	Exerior	1st	Exterior Window Caulk; Along Leaded Glass Windows	97	800	LF		Y
EXT	Exerior	1st	Window Glaze; Beige; Leaded Glass Windows	98	728	LF		Y
EXT	Exerior	1st	Water Proofing; Black	99	UNQ	SF		N
EXT	Exerior	1st	Brick Mortar; Associated w/ Sandstone Blocks	100	UNQ	SF		Y
EXT	Exerior	1st	Door Caulk; Gray; Main Entry Doors	101	125	LF		N
EXT	Exerior	1st	Exterior Caulk; White (East Steps)	102	210	LF		 N
EXT	Exerior	1st	Window Glaze; Basement Windows	103	24	LF		 N
EXT	Exerior	1st	Exterior Window Caulk; Basement Windows	104	156	LF		Υ
ATTIC	ATTIC	3rd	Insulation Material; White; Fiberous	86	UNQ	LF		 N

## Hilberry Theatre Renovation

# APPENDIX C PAINT CHIP LEAD ANALYSIS LABORATORY REPORT





30105 Beverly Road Romulus, MI 48174

AAT Project :

Sampling Date :

Date Received :

Date Analyzed :

Date Reported :

Ph: 734-629-8161; Fax: 734-629-8431

493210

05/24/2019

06/05/2019

06/07/2019

6/10/2019 7:13:04AM

#### Certificate of Analysis: Lead In Paint by EPA SW-846 7420 and 3050B\*

Client: ATC Group Services LLC

46555 Humboldt Dr.

Novi, MI 48377

Attn: Dawn Winther Email: dawn.winther@atcassociates.com

Client Project: WSU HILBERRY THEATRE

Project Location: WSU HILBERRY THEATRE

Lab Sample ID	Client Code	Sample Description	PPM	Result Lead (% by weight)	Calculated R L (% by weight)
4741901	1-LBP	FS 1 PURPLE PLASTER WL	2198	0.2198	0.0021
4741902	2-LBP	FS 1 BLACK PLASTER CLNG	1095	0.1095	0.0024
4741903	3-LBP	FS 2 OFF WHITE PLASTER WL	16788	1.6788	0.0022
4741904	4-LBP	F2 10 LIGHT BLUE PLASTER WL	<40	<0.0040	0.0040
4741905	5-LBP	FS 13 MEDIUM BLUE PLASTER WL	1083	0.1083	0.0022
4741906	6-LBP	FS 17 MED BROWN DOOR JMB	<24	<0.0024	0.0024
4741907	7-LBP	FS 19 BROWN CONCRETE FL	79	0.0079	0.0020
4741908	8-LBP	FS 21 LIGHT GRAY WOOD TRIM	16057	1.6057	0.0021
4741909	9-LBP	FS 21 LIGHT TAN PLASTER CLNG	6449	0.6449	0.0017
4741910	10-LBP	FS 21 OFF WHITE PLASTER WL	17619	1.7619	0.0027
4741911	11-LBP	FS 21 BLACK MTL STAIR RISER	2637	0.2637	0.0018
4741912	12-LBP	FS 22 GRAY CONCRETE FL	85	0.0085	0.0019
4741913	13-LBP	FS 23 GREENISH GRAY WOOD WT	787	0.0787	0.0018
4741914	14-LBP	FS 33 BEIGE HVAC DUCT	2328	0.2328	0.0073
4741915	15-LBP	FS 40 LIGHT YELLOW PLASTER WL	71879	7.1879	0.0020
4741916	16-LBP	FS 40 WHITE MTL STAIR RISER	1651	0.1651	0.0020
4741917	17-LBP	FS 40 PEACH PLASTER WL	46004	4.6004	0.0013
4741918	18-LBP	FS 61 GREEN CONCRETE FL	95366	9.5366	0.0019
4741919	19-LBP	F2 62 GRAY TERRAZZO FL	71038	7.1038	0.0017
4741920	20-LBP	FS 43 DARK GREEN PLASTER WL	31437	3.1437	0.0016
4741921	21-LBP	FS 56 GREEN PLASTER WL	42236	4.2236	0.0006

RL= Reporting Limit \* For true values assume (2) significant figures. The method and batch QC is acceptable unless otherwise stated. Current EPA/HUD Interim Standard for lead in paint samples is: 5000 PPM (parts per million) or ug/g which is equivalent to 0.5% by weight. AAT internal sop S203. The laboratory operates in accord with ISO 17025 guidelines and holds limited scopes of accreditation under AlHA-LAP and NY State DOH ELAP programs. These results are submitted pursuant to AAT LLC current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. Analytical results relate to the samples as received by the lab. AAT will not assume any liability or responsibility for the manner in which the results are used or interpreted. Reproduction of this document other than in its entirety is not permitted. All Quality control requirements for the samples this report contains have been met. AAT does not blank correct reported values. Sample data apply only to items analyzed. Samples are stored for 15 days following report date. \*= Validated modified method

AIHA LAP- Lab ID #100986, NY State DOH ELAP -Lab ID #11864, State of Ohio- Lab ID # 10042

Date Printed: 06/10/2019 7:13AM AAT Project: 493210



Lab Sample ID	Client Code	Sample Description	PPM	Result Lead (% by weight)	Calculated R L (% by weight)
4741922	22-LBP	EXT TAN WINDOW FRAMES	3898	0.3898	0.0035
4741923	23-LBP	EXT GREEN CANOPY FRAME	32	0.0032	0.0020
4741924	24-LBP	EXT BLACK MTL HAND RAIL	2446	0.2446	0.0026
4741925	25-LBP	EXT BOILER RM CONCRETE WL	62	0.0062	0.0045
4741926	26-LBP	THEATRE WHITE PERF WL PNL	77	0.0077	0.0017

Analyst Signature

Elyse Bille

Elyse Bidle

Tom Hamlin

RL= Reporting Limit \* For true values assume (2) significant figures. The method and batch QC is acceptable unless otherwise stated. Current EPA/HUD Interim Standard for lead in paint samples is: 5000 PPM (parts per million) or ug/g which is equivalent to 0.5% by weight. AAT internal sop S203. The laboratory operates in accord with ISO 17025 guidelines and holds limited scopes of accreditation under AIHA-LAP and NY State DOH ELAP programs. These results are submitted pursuant to AAT LLC current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions.Analytical results relate to the samples as received by the lab. AAT will not assume any liability or responsibility for the manner in which the results are used or interpreted. Reproduction of this document other than in its entirety is not permitted. All Quality control requirements for the samples this report contains have been met. AAT does not blank correct reported values. Sample data apply only to items analyzed. Samples are stored for 15 days following report date. \*= Validated modified method
AIHA LAP-Lab ID #10986, NY State DOH ELAP-Lab ID #11864, State of Ohio-Lab ID # 10042

AIHA LAP- Lab ID #100986, NY State DOH ELAP -Lab ID #11864, State of Ohio- Lab ID #10042

Date Printed: 06/10/2019 7:13AM AAT Project: 493210





30105 Beverly Road Romulus, MI 48174

AAT Project :

Client Project :

Date Reported :

Ph: 734-629-8161; Fax: 734-629-8431

493210

WSU HILBERRY THEATRE

6/10/2019 7:13:04AM

To: ATC Group Services LLC

Attn:

46555 Humboldt Dr. Novi, MI 48377

Dawn Winther Email: dawn.winther@atcassociates.com

**Phone**: 248-669-5140

Project Location: WSU HILBERRY THEATRE

Sample	Client Code	Analysis Requested	Completed	Analyst
4741901	1-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741902	2-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741903	3-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741904	4-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741905	5-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741906	6-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741907	7-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741908	8-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741909	9-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741910	10-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741911	11-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741912	12-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741913	13-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741914	14-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741915	15-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741916	16-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741917	17-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741918	18-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741919	19-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741920	20-LBP	Lead Paint	06/07/2019	Tom Hamlin
4741921	21-LBP	Lead Paint	06/06/2019	Elyse Bidle
4741922	22-LBP	Lead Paint	06/10/2019	Elyse Bidle
4741923	23-LBP	Lead Paint	06/10/2019	Elyse Bidle
4741924	24-LBP	Lead Paint	06/10/2019	Elyse Bidle
4741925	25-LBP	Lead Paint	06/10/2019	Elyse Bidle
4741926	26-LBP	Lead Paint	06/10/2019	Elyse Bidle

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AIHA LAP- Lab ID #100986, NY State DOH ELAP -Lab ID #11864, State of Ohio- Lab ID # 10042

Date Printed: 06/10/2019 7:13AM AAT Project: 493210

Reviewed By

Quality Assurance Coordinator - Stephen Northcott

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AIHA LAP- Lab ID #100986, NY State DOH ELAP -Lab ID #11864, State of Ohio- Lab ID # 10042

Date Printed: 06/10/2019 7:13AM AAT Project: 493210



30105 BEVERLY RD.

ROMULUS MI 48174
(734) 699-LABS (5227)
FAX: (734) 699-8407
Website: www.accurate-test.com

Email: customersupport@accurate-test.biz

	SUBM
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ACCREDITED LABORATORY	
ENVIRONMENTAL LEAD	
IBOREC 17028-2005	
www.abascoredladats.org	
LABRIOCORG	

SUBMITTING COMPANY
ATC Group Services

CONTACT INFORMATION

Office: 248-669-5140

Fax:

Cell:

PO # Email: robert.smith@atcgs.com

TURNAROUND TIME (please check one)	<b>SAME DAY ( )</b> 24 Hour ( )	48 Hour ( ) 72 hours ( 🗙 )	If no TAT is indicated, default is 72 hours	CLIENT COMMENTS	SAMPLES SHIPPED		NY STATE SAMPLES	(check here)	SAMPLE CONDITION	SEALS INTACT Y N	CONTAINERS LABELED Y N	RECVD & ACCEPTED Y N	LAB REMARKS		9		LAB PROJECT	NUMBER 1 60 5200		DATE	5/30/19 /' AM 1430PM	AM PM
REQUESTED LEAD	SINGLE WIPE DUST ( )	COMPOSITE SOIL ( )	% By Wt    mg/cm <sup>2</sup>	WIPE AREA	X	×	×	×	×	×	×	×	×	×	×	×	×	×	×	ED BY	CDVI	2
REQU ANA	<u>3</u>	COMPO	PAINT	W WI E					u								ŭ			SAMPLES RECEIVED BY	00	( - O) ~
SAMPLING DATE:	S 24 19	SAMPLE END TIME		NCILAIAOSSAC	FS 1; Purple; Plaster Wall	FS 1; Black; Plaster Ceiling	FS 2; Off White; Plaster Wall	FS 10; Light Blue; Plaster Wall	FS 13; Medium Blue; Plaster Wall	FS 17; Medium Brown; Door Jamb	FS 19; Brown; Concrete Floor	FS 21; Light Gray; Wood Trim	FS 21; Light Tan; Plaster Ceiling	FS 21; Off White; Plaster Wall	FS 21; Black; Metal Stair Riser	FS 22; Gray; Concrete Floor	FS 23; Greenish/Gray; Wood Window Trim	FS 33; Beige; HVAC Duct	FS 40; Light Yellow; Plaster Wall	JISHED BY		
PROJECT NUMBER	PROJECT ADDRESS WSU Hilberry Theatre	SAMPLE START TIME	RISK ASSESSOR	CLIENT CLIENT	AMILLE ID	S-LBP	3-LBP	4-LBP	5-LBP	6-LBP	7-LBP	8-LBP	9-LBP	10-LBP	11-LBP	12-LBP	13-LBP	<b>6</b> 14-LBP	N 15-LBP	SAMPLES RELINQUISHED BY	M. M.	

By submitting samples to AAT, the client agrees to AAT's terms and conditions.

AAT is not responsible for shipping delays



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Email:

CCREDITED LABORATORY AIHA LAP, LLC WINDOWERTH, LEAD SOME C 17025 2005

SUBMITTING COMPANY

CONTACT INFORMATION

**ATC Group Services** 

46555 Humboldt Drive

Novi, MI

Office: 248-669-5140

Fax:

Cell:

PO#

If no TAT is indicated, default is 72 hours TURNAROUND TIME (please check one) Email: robert.smith@atcgs.com ) 72 hours ( X check here) 24 Hour SAMPLE CONDITION CLIENT COMMENTS NY STATE SAMPLES 48 Hour ( SAMPLES SHIPPED SAME DAY ( SEALS INTACT (e.g. 12 in X 12 in) LEAD % By Wt | mg/cm<sup>2</sup> WIPE AREA  $\times$ ×  $\times$ SINGLE WIPE DUST COMPOSITE SOIL REQUESTED ANALYSIS **PAINT** CHIP WS, WT, F FS 43; Dark Green; Plaster Wall FS 61; Green; Concrete Floor FS 40; White; Metal Stair Riser DESCRIPTION FS 62; Gray; Terrazzo Floor FS 56; Green; Plaster Wall FS 40; Peach, Plaster Wall SAMPLE END TIME SAMPLING DATE: WSU Hilberry Theatre SAMPLE 1D CLIENT 21-LBP 17-LBP 19-LBP 20-LBP 16-LBP 18-LBP PROJECT ADDRESS SAMPLE START TIME PROJECT NUMBER RISK ASSESSOR LAB ID#

ns.	
the client agrees to AAT's terms and condition	AT is not responsible for shipping delays
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samples to	AAT is no
By submitting	

PM

1435 PM

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DATE Q

SAMPLES RECEIVED BY

SAMPLES RELINQUISHED BY

LAB PROJECT

NUMBER

×

TIME

ZZ

CONTAINERS LABELED RECVD & ACCEPTED

×

LAB REMARKS

 $\times$ 

Theatre; White; Perforated Wall Panel Exterior; Boiler Room; Concrete Wall

Exterior; Black; Metal Hand Rail Exterior; Green; Canopy Frame Exterior; Tan; Window Frames

24-LBP

25-LBP 26-LBP

23-LBP

22-LBP

## Hilberry Theatre Renovation

# APPENDIX D QUALIFICATIONS





## **Asbestos Program**

**MIOSHA** 

(/)

## Individual Profile for RAE, RYAN D.

### Name and Address

Name

RAE, RYAN D.

Address

1429 DAUNER ROAD FENTON, MI 48430

## License Information

Accreditation Type: Contractor/Supervisor

ID#: A35966

Status: Apprvd - Full

Expiration Date: 9/27/2019

**Training Expiration Date:** 4/5/2020

Accreditation Type: Inspector

**ID#**: A35966

Status: Apprvd - Full

Expiration Date: 2/15/2020

**Training Expiration Date:** 11/2/2019

Q New Search (/Individual/IndividualSearch)

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Asbestos Program - Verify and Search (/)

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Contact US (http://www.michigan.gov/lara/0,4601,7-154-11407 15333 15369-41708--,00.html)

Policies (http://www.michigan.gov/policies)