C MATERIALS TESTING CONSULTANTS

April 30, 2025 Project No. 251302

Straub Pettitt Yaste Architects 850 North Crooks Road, Suite 200 Clawson, Michigan 48017

Attention: Richard Mann

Reference: Report of Hazardous Materials Building Survey Cadillac Place – Main Building – 4th Floor Renovation Area 3044 West Grand Boulevard Detroit, Michigan 48202

Dear Richard:

MATERIALS TESTING CONSULTANTS, INC. has completed an Hazardous Materials Survey for the above-referenced project. The findings of the study along with recommendations for the management of asbestos containing building materials and hazardous waste items are presented in the attached report.

We appreciate this opportunity to provide these services and express our interest in providing continuing services in the areas of environmental due diligence, industrial hygiene, and abatement project design services. Please contact our office should you have any questions or require further assistance.

Sincerely,

MATERIALS TESTING CONSULTANTS, INC.

Matthew Plummer Industrial Hygiene Project Professional

att: Report

MATERIALS TESTING CONSULTANTS

MTC

HAZARDOUS MATERIALS SURVEY

Cadillac Place – Main Building – 4th Floor Renovation Area 3044 West Grand Boulevard Detroit, Michigan, 48202

Prepared For:

Straub Pettitt Yaste Architects 850 North Crooks Road Suite 200 Clawson, Michigan 48017

Prepared By:

MATERIALS TESTING CONSULTANTS, INC.

Matthew Plummer Industrial Hygiene Project Professional

NOT FOR BIDDING PURPOSES

April 30, 2025 MTC Project 251302

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REPORT OF ASBESTOS BUILDING MATERIALS SURVEY CADILLAC PLACE – MAIN BUILDING – 4TH FLOOR 3044 WEST GRAND BOULEVARD DETROIT, MICHIGAN 48202

1.0 A - INTRODUCTION

MATERIALS TESTING CONSULTANTS, INC. (MTC) has completed an Asbestos Building Materials Survey for the Cadillac Place Main Building, 4th floor renovation area located Detroit, Michigan. This work has been performed as described in our proposal 19344 R1 dated April 19, 2025. Authorization to proceed was received from Richard Mann, April 19, 2025. The scope of this study was described within the proposal.

The scope of this study in general includes and presented herein are the following:

- Asbestos Building Material Management Recommendation
- Survey Procedures
- Limitations
- Sample Procedures
- Laboratory Procedures
- Disclaimer
- Function Area Map
- Homogeneous Material Classification
- Building Survey Summary
- Laboratory Results
- Chain of Custody
- Inspector Credentials



2.0 A - RECOMMENDATIONS

2.1 A - Asbestos Building Material Management Recommendations

It is recommended that Materials Testing Consultants, Inc. be contacted prior to any renovation activities to review the plans to determine if materials are to be impacted and so that MTC can recommend proper abatement levels to allow for these renovation activities to proceed. Materials found to contain asbestos or assumed to contain asbestos should be maintained in an undamaged condition. Do not cut, drill or otherwise make friable through mechanical action. Avoid creating dust and debris.

Management Plan - The Occupational Safety and Health Administration requires that the facility maintain an asbestos management plan to keep a record of asbestos containing materials and their condition and label asbestos containing materials within buildings. This record will provide facility maintenance staff, visiting contractors, and employees with the information that they require to minimize the risk of exposure to elevated fiber levels during repair and/or maintenance activities. MTC recommends that a management plan be adopted based upon this survey report, conduct employee training, develop an operations and maintenance program and label asbestos containing materials as necessary to comply with OSHA Standards.

Proper training of personnel involved in activities with asbestos containing materials (ACM) is necessary to protect the health of the workers. Training requirements are dependent upon the activities with ACM that are to be conducted. Training, as described below, is a summary of the OSHA Standard that outlines training requirements. Personnel should consult with the OSHA Standard or with MTC for any clarifications or interpretations. Types of Asbestos Work and Worker Training Requirements under OSHA Standard 1926.1101 "Asbestos Standard for Construction" regulated the State of Michigan are as follows:

Class I: Activities involving the removal of Thermal System Insulation (TSI) and surfacing ACM. Work must be supervised by a competent person with minimum 40-hour training conducted in accordance with EPA's Model Accreditation Plan for supervisor. Workers conducting abatement must obtain accreditation with minimum 32-hour training for Abatement Workers.

Class II: Activities involving the removal of ACM which is not TSI or surfacing material. This includes, but is not limited to, the removal of asbestos-containing wallboard, floor tile, and sheeting, roofing and siding shingles, and construction mastics. Work must be supervised by a competent person with minimum 40-hour training conducted in accordance with EPA's Model Accreditation Plan for Supervisor. Workers conducting abatement must obtain



accreditation with minimum 32-hour training for Abatement Workers. Work where negative pressure enclosures and critical barriers are not necessary, 8-hour "hands on training" is required. This would include work with asbestos containing roofing, flooring, siding, ceiling tiles, or transite panels.

Class III: Repair and maintenance operations where ACM, including TSI and surfacing ACM may be disturbed. Work must be supervised by a competent person with training in accordance with EPA training for local education agency maintenance and custodial staff. This training shall be "hands on" and be a minimum of 16-hours.

Class IV: Maintenance and custodial activities during which employees contact but do not disturb ACM and activities to cleanup dust, waste and debris resulting from Class I, II, and III activities. Work must be conducted by training in accordance with EPA training for local education agency maintenance and custodial staff and be a minimum 2-hours of asbestos awareness training to familiarize themselves with issues relating to asbestos containing building materials within their facilities.



3.0 A - SURVEY METHODOLOGY

3.1 A - Survey Procedures

Materials Testing Consultants, Inc. inspectors assigned Function Area numbers to individual rooms and continuous spaces and inspected each Function Area for quantity, location and condition of damaged materials in need of repair of suspect friable and non-friable asbestos containing building materials. Function areas which could not be accessed are listed in the Building Survey Summary and noted on the Function Area Maps. See appendix A. All materials within areas that access is not granted are to be treated as asbestos containing materials until licensed inspector assess the area to verify materials asbestos content.

Individual types of building materials encountered during the inspection were assigned homogeneous material numbers. Materials Testing Consultants, Inc. considered materials to be homogeneous only if they were similar in appearance, were located within the same building, and represented construction and/or renovation events which were completed over a set time or duration and which were likely completed by the same contractor.

Each building material was treated as a homogeneous material. For a listing of homogeneous materials, see the "Homogeneous Material Report", provided within Appendix A, The Homogeneous Material Report provides a quick summary of the presence and type of asbestos for each homogeneous material and total quantities of each material. This information can be of value when assessing asbestos abatement costs associated with renovation and/or demolition activities.

The inspector quantified all asbestos containing and assumed asbestos containing materials within each Function Area. As each Function Area was inspected, each suspect asbestos containing material was classified as friable or non-friable, assigned a type designation (surfacing, thermal system insulation or miscellaneous). Quantity of material was determined in square feet, linear feet, cubic feet or unit (each).



Survey information has been provided within the Building Survey Summary section within Appendix A. The Building Survey Summary can be used when trying to assess the potential for impacting asbestos materials when performing building maintenance activities. This summary will provide interested parties with a quick reference of all materials documented during the survey, the asbestos content of each material and quantity per Function Area. For ease of asbestos material management MTC has provided the Asbestos Materials Summary. This report provides only the asbestos containing materials and assumed asbestos containing materials per Function area with quantities provided.

This survey was conducted by a State of Michigan accredited Asbestos Building Inspectors. Copies of the Inspector's current Training Certificates and State Accreditations are attached to this report in Appendix A.

3.2 A - Limitations

Suspect building materials that are observed but unable to be sampled are designated assumed asbestos containing materials. Reasons materials are not sampled include, but are not limited to, irreparable damage to material to determine asbestos presence (i.e., fire rated doors, boilers, toilet gaskets, ceramic tile systems), space constrictions (i.e., heights above 10 ft, inadequate space to gather sample, or confined spaces), significant danger to inspector (i.e., active electrical equipment, fall hazards, work around active machinery) and at inspectors' discretion if it is determined that adequate representation of all potential asbestos containing components of a material is not feasible (i.e., roofing systems).



Limitations encountered during the execution of the survey reduce the ability to provide the highest value assessment that may result in increased potential construction, demolition, or renovation project costs.

Limitation	Definition	Conformance
Access	Authorization to enter all rooms, vaults, and spaces in the renovation area. (All materials within areas that access in not granted are to be treated as asbestos containing materials until licensed inspectors assess the area to verify materials asbestos content.)	YES
Liberty to sample	Authorization for inspector to sample all materials at their discretion in any location. (Inability to sample materials at inspector discretion reduces the accuracy in obtaining representative samples of materials.)	YES
Occupancy	All occupants permanently removed from the renovation area. (Active occupancy reduces inspectors' ability to accurately assess suspect Asbestos Containing Materials.)	YES
Utilities	All utilities terminated before building ensuring inspector safety while sampling materials. (Active utilities inhibit the ability to assess mechanical, electrical plumbing and HVAC systems safely.)	NO
Building Envelope	Authorization to create opening through roof and exterior walls into the interior of the building, up to 1 SF in size.(Inability to open building envelope may result in Asbestos Containing Materials hidden between cavities of envelope being found in construction activities.)	NO

Consult with MTC as limitations are lifted to assess affected areas.



3.3 A - Sample Procedures

Sample Locations (were selected at random). Minimum sampling requirements have met requirements of OSHA Regulations for Construction, Subpart D - Occupational Health and Environmental Controls, 29 CFR 1926.1101 - Asbestos. These OSHA regulations require for a material to be considered non-asbestos containing, that analysis of thermal system insulations and surfacing materials consist of a minimum three bulk samples being analyzed by a laboratory which participates in a nationally recognized testing program such as the National Voluntary Laboratory Accreditation Program (NVLAP) of the National Institute for Standards and Technology (NIST).

Where possible, samples were obtained in unobtrusive areas. Holes from core samples of thermal system insulation were repaired. The inspector performing the sampling had respiratory protection as required and performed the work in a professional and safe manner using wet methods and decontamination procedures as necessary to guard against localized building contamination.

The Sample Locations Summary section within Appendix A provides the site locations of each of the samples taken. The Homogeneous Material that the sample is taken from is represented in the sample number. The first one or two digits of the sample number represent the Homogeneous Material in which the sample was found. For example: Sample #101 was the first sample taken for Homogeneous Material #1. Sample #1104 was the fourth sample taken from Homogeneous Material #11.



All samples were properly packaged and sent by Federal Express to PEL Laboratories in Ann Arbor, Michigan for analysis. Preparation and analysis of bulk samples was completed using a Stereoscopic Reflected Light Microscope and Polarized Light Microscope with dispersion staining capabilities to comply with EPA/600/R-93/116, July 1993, "Method for the Determination of Asbestos in Bulk Building Materials". The PEL Laboratories results and Chain of Custody are included in Appendix A. All results have been summarized in the Homogeneous Material Report and the Building Survey Summary. Results pertaining to only asbestos containing materials and assumed asbestos containing materials have been summarized in the Asbestos Material Summary.



This Asbestos testing report supports the Owner's requirements of a 'thorough inspection' under DEGLE's NESHAP-Asbestos Standard and the Duties of building and facility owners under MIOSHA Part 602, Asbestos in Construction Standard 1926.1101(k)(2)(i) and (k)(5)(ii)(A) show the presence, location, and quantity of Asbestos Containing Materials. The accessible areas of the work area described have been surveyed for building materials. Inaccessible materials due to building occupancy, inspector safety or irreparable damage to materials may not be sampled and will be documented as assumed to contain asbestos or as inaccessible. Quantities of Asbestos containing materials should be verified by contractor for bidding purposes.

Building Owners have obligations under MIOSHA Part 602, including but not limited to communicating this report to employees and employers working in the building; treating unidentified materials as assumed or presumed asbestos containing materials (PACM) and handling assumed and PACM as asbestos containing materials until tested for asbestos content; and communicating to employees and employers working in the building the hazards associated with the potential existence of hidden asbestos materials in cavities, vaults, pits, spaces below floor slabs and below other materials with instructions to stop work when suspect asbestos materials are encountered.

Consult with Materials Testing Consultants for additional testing and assistance in project management; Including but not limited to, bid estimates, project design/specification, review of qualified bidders, and abatement air monitoring.



REPORT OF HAZARDOUS WASTE MATERIALS SURVEY CADILLACE PLACE – MAIN BUILDING – 4TH FLOOR RENOVATION AREA 3044 WEST GRAND BOULEVARD DETROIT, MICHIGAN 48202

1.0 B - INTRODUCTION

MATERIALS TESTING CONSULTANTS, INC. (MTC) has completed a Hazardous Waste Materials Survey for the Cadillac Place Main Building, 4th floor renovation area located in Detroit, Michigan This work has been performed as described in our 19344 R1 dated April 19, 2025. Authorization to proceed was received from Richard Mann, April 19, 2025. The scope of this study was described within the proposal.

The scope of this survey in general includes and presented herein are the following:

- Hazardous Waste Materials Management Recommendation
- Survey Procedures
- Limitations
- Hazardous Waste Materials Summary
- Function Area Map
- Hazardous Waste Materials Building Survey Summary



2.0 B - RECOMMENDATIONS

2.1 B - Material Management Recommendations

The following State and Federal Regulations apply to Hazardous Waste. If materials listed within are to be impacted these regulations are used as guidance to determine proper removal, hauling and disposal. Prior to any renovation/demolition activities, please contact Materials Testing Consultants, Inc to review proper handling procedures. Also, see Section 3.2 Limitations.

Ha	Hazardous Waste Materials Regulations							
Waste Type	Federal Regulation							
Hazardous Waste	Part 111 Hazardous Waste Management, and Part 121, Liquid Industrial By-Products, of the Natural Resources and Environmental Protection Act, 1994 PA 451	40 CFR part 260-279						
Universal Waste	Part 111 Hazardous Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451	40 CFR part 273						
Low Level Radioactive Waste	Michigan Legislature, Chapter 333 act 204 of 1987	10 CFR part 61						
Polychlorinated Biphenyl (PCB)	No active state regulation	40 CFR part 761						
Ozone Depleting Substances	Part 55 Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451	40 CFR part 82						
Petroleum Oil/Lubricants	Part 121, Liquid Industrial By-Products, & Part 167 Used Oil Recycling of the Natural Resources and Environmental Protection Act, 1994 PA 451	40 CFR part 279						
Hazardous Waste & Liquid Industrial By-Product Transportation	Part 111 Hazardous Waste Management, & Part 121, Liquid Industrial By-Products, of the Natural Resources and Environmental Protection Act, 1994 PA 451, & Michigan Legislature, Chapter 29 act 138 of 1998	40 CFR part 263						



3.0 B - SURVEY METHODOLOGY

3.1 B - Survey Procedures

Materials Testing Consultants, Inc. inspectors assigned Function Area numbers to individual rooms and continuous spaces and inspected each Function Area for quantity and location. Function areas which could not be accessed are listed in the Hazardous Waste Materials Building Survey Summary and noted on the Function Area Maps. See Appendix B.

Individual types of building materials encountered during the inspection were assigned homogeneous material numbers. Materials Testing Consultants, Inc. considered materials to be homogeneous only if they were similar in appearance, were located within the same building, and represented construction and/or renovation events which were completed over a set time or duration and which were likely completed by the same contractor.

For a listing of homogeneous materials, see the "Homogeneous Material Report", provided within Appendix B, The Homogeneous Material Report provides a quick summary of the presence and type of homogeneous material and total quantities of each material. This information can be of value when assessing removal and disposal costs associated with renovation and/or demolition activities.

Survey information has been provided within the Hazardous Waste Materials Building Survey Summary section within Appendix B. The Hazardous Waste Materials Building Survey Summary can be used when trying to assess the potential for impacting Hazardous Waste Materials when performing building maintenance activities, where removal and disposal is required. This summary will provide interested parties with a quick reference of all materials documented during the survey and quantity per Function Area.



Report of Hazardous Materials Survey Project 251302 Page 13

This report is applicable only to the items and location(s) listed herein. Review of report by the Project Manager is standard practice. This report has been prepared for the exclusive use of the client and any partial or whole reproduction without the consent of the client is prohibited. The areas described within was conducted by trained personnel in conducting building/stored materials surveys. Building/stored materials that may contain hazardous components are provided within and are assumed to be Hazardous Waste upon removal and disposal unless tested to confirm no hazardous components exist as defined by State and Federal Regulations. Universal Waste is based on guidelines from the State and Federal Regulations as described in Section 2.1. Universal Waste does not require testing to determine hazardous components. Please contact Materials Testing Consultants, Inc for testing building/stored materials.

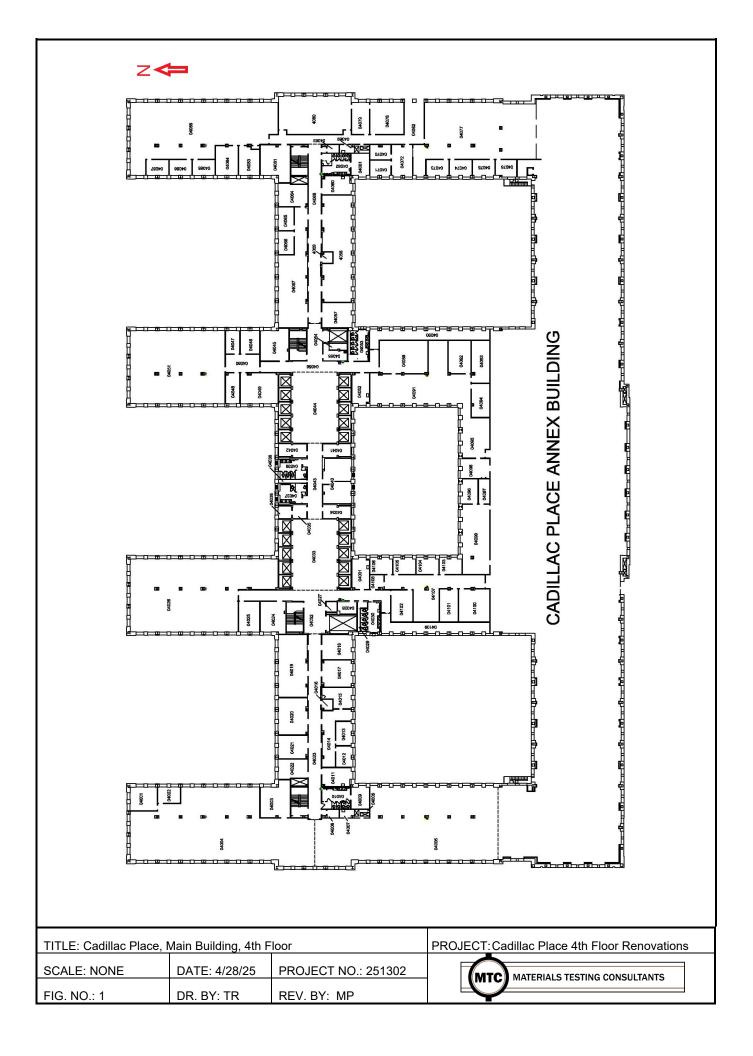


APPENDIX A

- FUNCTION AREA MAP
- ASBESTOS MATERIAL SUMMARY
- HOMOGENEOUS MATERIALS REPORT
- BUILDING SURVEY SUMMARY
- LABORATORY RESULTS
- CHAIN OF CUSTODY
- INSPECTOR CREDENTIALS



FUNCTION AREA MAP(S)





HOMOGENEOUS MATERIALS REPORT



Job No.: 251302 Facility: Cadillac Place 4th Floor Renovation Asb Survey Building: Cadillac Place - Main Building Date: 28-Apr-25

Homogeneous Material Report

Homogeneous Material (HM) Name	Homogeneous Material Number	Friable/ Non-Friable	Asbestos Presence	Classifi- cation	Asbestos Type	Percentage	Quantity
Plaster	1	NF	ND	S	None Detected		NQ
Drywall	15	NF	ND	М	None Detected		NQ
2' x 4' Ceiling Tile, White Recessed Fake 2' x 2' with Random Pin Holes and Knife	34	F	ND	М	None Detected		NQ
Punctures 4" Vinyl Cove Base, Gray	48	NF	ND	Μ	None Detected		NQ
Duct Caulk, Gray	60	NF	ND	М	None Detected		NQ
Concrete Floors/ Walls	164	NF	ND	М	None Detected		NQ
Rolled Carpet with Green Adhesive	165	NF	ND	М	None Detected		NQ
Door Frame Caulking on Drywall, White	166	NF	ND	М	None Detected		NQ
Wall Mortaring, Grey	167	NF	ND	S	None Detected		NQ

Legend	Friable/Non-Friable	Asbestos Presence	Classification	Quantity
U	F = Friable	K = known to contain asbestos	T = thermal system insulation	NQ = Not Quantified
	NF = Non-Friable	A = assumed to contain asbestos	S = surfacing material	
		ND = asbestos not detected by laboratory analysis	M = miscellaneous material	
		NA = material identified as non-asbestos by	O = other hazardous material	



BUILDING SURVEY SUMMARY



Job No.: 251302 Facility: Cadillac Place 4th Floor Renovation Asb Survey Building: Cadillac Place - Main Building Date: 28-Apr-25

Building Survey Summary

Function Area No.	Inspection Date	HA No.	Description	Asbestos Type	Asbestos Percent	Friable/ Non- friable	Classi- fication Therm.(T) Surf.(S) Misc.(M)	Damage Loc.(L) Gen.(G)	% Damage 0-1 ND 1-10 D(G) 1-25 D(L) >10 SD(G) >25 SD(L)	Approx. Quantity	Remarks
04100	4/21/2025	1	Plaster	None Detected		NF	S			NQ	Conference Room
04100	4/21/2025	15	Drywall	None Detected		NF	Μ			NQ	
04100	4/21/2025	34	2' x 4' Ceiling Tile, White Recessed Fake 2' x 2' with Random Pin Holes and Knife Punctures	None Detected		F	Μ			NQ	
04100	4/21/2025	48	4" Vinyl Cove Base, Gray	None Detected		NF	М			NQ	
04100	4/21/2025	60	Duct Caulk, Gray	None Detected		NF	М			NQ	
04100	4/21/2025	164	Concrete Floors/ Walls	None Detected		NF	М			NQ	
04100	4/21/2025	165	Rolled Carpet with Green Adhesive	None Detected		NF	М			NQ	
04100	4/21/2025	166	Door Frame Caulking on Drywall, White	None Detected		NF	М			NQ	
04100	4/21/2025	167	Wall Mortaring, Grey	None Detected		NF	S			NQ	
04101	4/21/2025	1	Plaster	None Detected		NF	S			NQ	Conference Room
04101	4/21/2025	15	Drywall	None Detected		NF	М			NQ	
04101	4/21/2025	34	2' x 4' Ceiling Tile, White Recessed Fake 2' x 2' with Random Pin Holes and Knife Punctures	None Detected		F	М			NQ	
04101	4/21/2025	48	4" Vinyl Cove Base, Gray	None Detected		NF	М			NQ	



Job No.: 251302 Facility: Cadillac Place 4th Floor Renovation Asb Survey Building: Cadillac Place - Main Building Date: 28-Apr-25

Building Survey Summary

Function Area No.	Inspection Date	HA No.	Description	Asbestos Type	Asbestos Percent	Friable/ Non- friable	Classi- fication Therm.(T) Surf.(S) Misc.(M)	Damage Loc.(L) Gen.(G)	% Damage 0-1 ND 1-10 D(G) 1-25 D(L) >10 SD(G) >25 SD(L)	Approx. Quantity	Remarks	
04101	4/21/2025	164	Concrete Floors/ Walls	None Detected		NF	М			NQ		
04101	4/21/2025	165	Rolled Carpet with Green Adhesive	None Detected		NF	М			NQ		
04101	4/21/2025	166	Door Frame Caulking on Drywall, White	None Detected		NF	М			NQ		
04101	4/21/2025	167	Wall Mortaring, Grey	None Detected		NF	S			NQ		
04107	4/21/2025	1	Plaster	None Detected		NF	S			NQ	Hallway	
04107	4/21/2025	15	Drywall	None Detected		NF	М			NQ		
04107	4/21/2025	34	2' x 4' Ceiling Tile, White Recessed Fake 2' x 2' with Random Pin Holes and Knife Punctures	None Detected		F	М			NQ		
04107	4/21/2025	48	4" Vinyl Cove Base, Gray	None Detected		NF	М			NQ		
04107	4/21/2025	60	Duct Caulk, Gray	None Detected		NF	М			NQ		
04107	4/21/2025	164	Concrete Floors/ Walls	None Detected		NF	М	-		NQ		
04107	4/21/2025	165	Rolled Carpet with Green Adhesive	None Detected		NF	М			NQ		
04107	4/21/2025	166	Door Frame Caulking on Drywall, White	None Detected		NF	М			NQ		
04107	4/21/2025	167	Wall Mortaring, Grey	None Detected		NF	S			NQ		



LABORATORY RESULTS



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Client:	MTC	PEL Client No.:	30
Project Name:	251302	PEL Work Order No.:	22504102
Project Address:	Cadillac Place 4th Floor Renovation	Date Received:	4/23/2025
Project No.:	Staub Pettitt Yaste Architects	Date Analyzed:	4/23/2025
Methodology:	EPA-600/M4-82-020 and EPA-600/R-93-116	Received By:	Ryan Shannon
T/A Time:	3-day	Analyzed By:	Ryan Shannon
Project Contact :	Matthew Plummer, Tim Raymond	Sample Date:	4/21/2025

Report Version 1 (Initial)

PEL Sample No.	Client Sample No.:	Composition	Color	Description	Asbestos Presence/Absence & Type (if present)	%	Non-Asbestos Fiber Type	%	Primary Matrix Type	Location
1	101	Homogeneous	White	Finish Coat	No Asbestos Detected					04107 9' W of NE Corner, at Ceiling
1A		Homogeneous	Grey	Base Coat	No Asbestos Detected		Hair	<1	Quartz	04107 9' W of NE Corner, at Ceiling
2	108	Homogeneous	White	Finish Coat	No Asbestos Detected					04100-10'S of NW Corner at Ceiling
2A		Homogeneous	Grey	Base Coat	No Asbestos Detected				Quartz	04100-10'S of NW Corner at Ceiling
3	109	Homogeneous	White	Finish Coat	No Asbestos Detected					04101-12'S of NW Corner at Ceiling
ЗA		Homogeneous	Grey	Base Coat	No Asbestos Detected		Hair	<1	Quartz	04101-12'S of NW Corner at Ceiling
4	110	Homogeneous	White	Finish Coat	No Asbestos Detected					04101-12'S of NE Corner at Ceiling
4A		Homogeneous	Grey	Base Coat	No Asbestos Detected				Quartz	04101-12'S of NE Corner at Ceiling
5	111	Homogeneous	White	Finish Coat	No Asbestos Detected					04107-N of FA#04101, at Ceiling
5A		Homogeneous	Grey	Base Coat	No Asbestos Detected		Hair	<1	Quartz	04107-N of FA#04101, at Ceiling
6	112	Homogeneous	White	Finish Coat	No Asbestos Detected					4107 NE Corner of FA#04101, at Ceiling
6A		Homogeneous	Grey	Base Coat	No Asbestos Detected				Quartz	4107 NE Corner of FA#04101, at Ceiling
7	113	Homogeneous	White	Finish Coat	No Asbestos Detected					04100 S Side, Center, at Ceiling
7A		Homogeneous	Grey	Base Coat	No Asbestos Detected		Hair	<1	Quartz	04100 S Side, Center, at Ceiling
8	603				Sample Missing					
9	1103				Sample Missing					4039
10	1501	Homogeneous	White	Joint Compound	No Asbestos Detected				Calcium Carbonate	04101-12'S of NW Corner, 9' Up on Wall



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Client:	MTC	PEL Client No.:	30
Project Name:	251302	PEL Work Order No.:	22504102
Project Address:	Cadillac Place 4th Floor Renovation	Date Received:	4/23/2025
Project No.:	Staub Pettitt Yaste Architects	Date Analyzed:	4/23/2025
Methodology:	EPA-600/M4-82-020 and EPA-600/R-93-116	Received By:	Ryan Shannon
T/A Time:	3-day	Analyzed By:	Ryan Shannon
Project Contact :	Matthew Plummer, Tim Raymond	Sample Date:	4/21/2025

Report Version 1 (Initial)

PEL Sample No.	Client Sample No.:	Composition	Color	Description	Asbestos Presence/Absence & Type (if present)	%	Non-Asbestos Fiber Type	%	Primary Matrix Type	Location
10A		Composite	Brown/ White	Drywall	No Asbestos Detected		Cellulose	10		04101-12'S of NW Corner, 9' Up on Wall
11	1504	Homogeneous	White	Joint Compound	No Asbestos Detected				Calcium Carbonate	04107 - N of FA#04101, E Wall, 9' Up
11A		Composite	Brown/ White	Drywall	No Asbestos Detected		Cellulose	10	-	04107 - N of FA#04101, E Wall, 9' Up
12	1505	Homogeneous	White	Joint Compound	No Asbestos Detected				Calcium Carbonate	04100 - 10'S of NW Corner, 9' Up on Wall
12A		Composite	Brown/ White	Drywall	No Asbestos Detected		Cellulose	10		04100 - 10'S of NW Corner, 9' Up on Wall
13	4705				Sample Missing				-	04053
14	4802	Homogeneous	Grey	Cove Base	No Asbestos Detected					04101 - NE Corner of Room, at Trane Blower Unit Connection
14A		Homogeneous	Yellow	Adhesive	No Asbestos Detected					04101 - NE Corner of Room, at Trane Blower Unit Connection
15	6002	Homogeneous	Grey	Caulk	No Asbestos Detected					04100, - NW Corner of Room
16	16401	Homogeneous	Grey	Concrete	No Asbestos Detected				Quartz	04100 - NW Corner Floor, Behind Door
17	16402	Homogeneous	Grey	Concrete	No Asbestos Detected				Quartz	04101 - NE Corner Floor, Behiond Door
18	16403	Homogeneous	Grey	Concrete	No Asbestos Detected				Quartz	04107 - NE Corner of FA #04101, at Floor
19	16501	Composite	Various	Carpet	No Asbestos Detected		Synthetic	90		04101 Left Side of Doorway, at Floor
19A		Composite	Green/ Grey	Adhesive/ Leveler	No Asbestos Detected					04101 Left Side of Doorway, at Floor
20	16502	Composite	Various	Carpet	No Asbestos Detected		Synthetic	90	-	04100 Right Side of Doorway, at Floor
20A		Homogeneous	Green	Adhesive	No Asbestos Detected					04100 Right Side of Doorway, at Floor
20B		Homogeneous	Grey	Leveler	No Asbestos Detected					04100 Right Side of Doorway, at Floor
21	16601	Homogeneous	Beige	Caulk	No Asbestos Detected				-	04101 Left Side of Doorway, 5' Up



674 South Wagner Road | Ann Arbor, MI 48103 | 877.220.3528

Client:	MTC	PEL Client No.:	30
Project Name:	251302	PEL Work Order No.:	22504102
Project Address:	Cadillac Place 4th Floor Renovation	Date Received:	4/23/2025
Project No.:	Staub Pettitt Yaste Architects	Date Analyzed:	4/23/2025
Methodology:	EPA-600/M4-82-020 and EPA-600/R-93-116	Received By:	Ryan Shannon
T/A Time:	3-day	Analyzed By:	Ryan Shannon
Project Contact :	Matthew Plummer, Tim Raymond	Sample Date:	4/21/2025

					Report Version 1 (Initial)					
PEL Sample No.	Client Sample No.:	Composition	Color	Description	Asbestos Presence/Absence & Type (if present)	%	Non-Asbestos Fiber Type	%	Primary Matrix Type	Location
					No Asbestos Detected					04100 Right Side of Doorway, 5'
22	16602	Homogeneous	Beige	Caulk						Up
			_		No Asbestos Detected					04107 At Central Column, Above
23	16701	Homogeneous	Grey	Mortar					Mica	DCT
					No Asbestos Detected					04107 At Central Column, Above
24	16702	Homogeneous	Grey	Mortar					Mica	DCT
					No Asbestos Detected					04107 At Control Column About
25	16703	Homogeneous	Grey	Mortar					Mica	04107 At Central Column, Above DCT
										DCI



PEL Laboratories is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) 600205-0, for performing polarized light microscopy (PLM) analyses under methods known as App. E to Sub. E of 40 CFR Part 762 and EPA/600/R-93/116. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. These results relate only to the samples tested and must not be reproduced, except in full, without the approval of the laboratory. Although PLM analysis is commonly performed to determine the presence or absence of asbestos in building materials, the EPA methods acknowledge that analysis by PLM is subject to limitations and for certain materials, such as vermiculite and vinyl floor tiles, a more sophisticated methodology may be necessary.



EMSL Order: 161221142 CustomerID: MATE53 CustomerPO: ProjectID:

 Attn:
 Chris Kestner
 Phone:
 (616) 456-5469

 Materials Testing Consultants
 Fax:
 (616) 456-5784

 693 Plymouth N. E.
 Received:
 12/18/12 10:25 AM

 Grand Rapids, MI 49505
 Collected:
 1/3/2013

Project: Cadillac Place Building Asbestos Survey

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-As	<u>bestos</u>	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
102-Finish Coat		White		100% Non-fibrous (other)	None Detected	
161221142-0001		Non-Fibrous Homogeneous				
102-Base Coat		Gray	<1% Hair	20% Quartz	None Detected	
161221142-0001A		Non-Fibrous Homogeneous		80% Non-fibrous (other)		
103-Finish Coat		White		100% Non-fibrous (other)	None Detected	
161221142-0002		Non-Fibrous Homogeneous				
			Inseparable paint / coating laye	r included in analysis		
103-Base Coat		Gray	<1% Hair	20% Quartz	None Detected	
161221142-0002A		Non-Fibrous Homogeneous		80% Non-fibrous (other)		
104-Finish Coat		White		100% Non-fibrous (other)	None Detected	
161221142-0003		Non-Fibrous Homogeneous				
			Inseparable paint / coating laye	r included in analysis		
104-Base Coat		Gray	<1% Hair	20% Quartz	None Detected	
161221142-0003A		Non-Fibrous Homogeneous		80% Non-fibrous (other)		
105-Finish Coat		White		100% Non-fibrous (other)	None Detected	
161221142-0004		Non-Fibrous Homogeneous				
			Inseparable paint / coating laye	r included in analysis		

Analyst(s)

Christopher Bovard (23) Ross Matlock (44) Jadda Moffett (104)

Vichard In du

Richard Harding, Laboratory Manager or other approved signatory

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			<u>Non-As</u>	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
105-Base Coat		Gray	<1% Hair	20% Quartz	None Detected
161221142-0004A		Non-Fibrous Homogeneous		80% Non-fibrous (other)	
106-Finish Coat		White		100% Non-fibrous (other)	None Detected
161221142-0005		Non-Fibrous Homogeneous			
			Inseparable paint / coating laye	er included in analysis	
106-Base Coat		Gray	<1% Hair	20% Quartz	None Detected
161221142-0005A		Non-Fibrous Homogeneous		80% Non-fibrous (other)	
107-Finish Coat		White		100% Non-fibrous (other)	None Detected
161221142-0006		Non-Fibrous Homogeneous			
			Inseparable paint / coating laye	er included in analysis	
107-Base Coat		Gray	<1% Hair	20% Quartz	None Detected
161221142-0006A		Non-Fibrous Homogeneous		80% Non-fibrous (other)	
401		Brown/White	70% Cellulose	10% Non-fibrous (other)	20% Chrysotile
161221142-0007		Fibrous Homogeneous			
402		Black	70% Cellulose	10% Non-fibrous (other)	20% Chrysotile
161221142-0008		Fibrous Homogeneous			
			Inseparable paint / coating laye	er included in analysis	

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			Non-Asb	<u>bestos</u>	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
403		Brown/White	70% Cellulose	10% Non-fibrous (other)	20% Chrysotile	
161221142-0009		Fibrous Homogeneous				
501		White	40% Cellulose	10% Non-fibrous (other)	None Detected	
161221142-0010		Fibrous Homogeneous	50% Min. Wool			
502		White	30% Cellulose	10% Non-fibrous (other)	60% Chrysotile	
161221142-0011		Fibrous Homogeneous				
503		White	30% Cellulose	10% Non-fibrous (other)	60% Chrysotile	
161221142-0012		Fibrous Homogeneous				
701		White		40% Non-fibrous (other)	60% Chrysotile	
161221142-0013		Fibrous Homogeneous				
702		White	30% Cellulose	10% Non-fibrous (other)	60% Chrysotile	
161221142-0014		Fibrous Homogeneous				
1001		Gray		40% Non-fibrous (other)	60% Chrysotile	
161221142-0015		Fibrous Homogeneous				
1002		Gray		40% Non-fibrous (other)	60% Chrysotile	
161221142-0016		Fibrous Homogeneous				

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				<u>Non-Ast</u>	<u>bestos</u>	Asbestos	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type	
1202		Gray	80%	Glass	20% Non-fibrous (other)	None Detected	
161221142-0017		Fibrous Homogeneous					
1203		Brown/White	50%	Cellulose	10% Non-fibrous (other)	40% Chrysotile	
161221142-0018		Fibrous Homogeneous					
1502-Drywall		Brown/White	25%	Cellulose	70% Gypsum	None Detected	
161221142-0019		Fibrous Heterogeneous			5% Non-fibrous (other)		
1502-Joint		White			100% Non-fibrous (other)	None Detected	
Compound		Non-Fibrous					
161221142-0019A		Homogeneous					
			Inseparabl	e paint / coating layer	included in analysis		
1503-Drywall		Brown/White	25%	Cellulose	70% Gypsum	None Detected	
161221142-0020		Fibrous Heterogeneous			5% Non-fibrous (other)		
1503-Joint		White			100% Non-fibrous (other)	None Detected	
Compound		Non-Fibrous					
161221142-0020A		Homogeneous					
			Inseparabl	e paint / coating layer	included in analysis		
1601-Floor Tile		White			98% Non-fibrous (other)	2% Chrysotile	
161221142-0021		Non-Fibrous Homogeneous					

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			<u>Non-Asb</u>	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
1601-Mastic		Black		100% Non-fibrous (other)	None Detected
161221142-0021A		Non-Fibrous Homogeneous			
1701		White/Black	85% Cellulose	15% Non-fibrous (other)	None Detected
161221142-0022		Fibrous Homogeneous			
1901		Gray		100% Non-fibrous (other)	None Detected
161221142-0023		Non-Fibrous Homogeneous			
2101		White		40% Non-fibrous (other)	60% Chrysotile
161221142-0024		Fibrous Homogeneous			
2102		White		40% Non-fibrous (other)	60% Chrysotile
161221142-0025		Fibrous Homogeneous			
2103		White		40% Non-fibrous (other)	60% Chrysotile
161221142-0026		Fibrous Homogeneous			
2301		Gray		100% Non-fibrous (other)	None Detected
161221142-0027		Non-Fibrous Homogeneous			
2401		Gray/White	40% Cellulose	15% Perlite	None Detected
161221142-0028		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asb	estos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
2601		Gray/White	40% Cellulose	15% Perlite	None Detected	
161221142-0029		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)		
2701		Gray		100% Non-fibrous (other)	None Detected	
161221142-0030		Non-Fibrous Homogeneous				
2801		Gray/White	40% Cellulose	15% Perlite	None Detected	
161221142-0031		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)		
2901		Black		100% Non-fibrous (other)	None Detected	
161221142-0032		Non-Fibrous Homogeneous				
3001-Yellow M	lastic	Yellow		100% Non-fibrous (other)	None Detected	
161221142-0033		Non-Fibrous Homogeneous				
3001-Floor Til	е	Gray		98% Non-fibrous (other)	2% Chrysotile	
161221142-0033A	1	Non-Fibrous Homogeneous				
3001-Black Ma	astic	Black		100% Non-fibrous (other)	None Detected	
161221142-0033E	3	Non-Fibrous Homogeneous				
3101-Ceiling T	File	White	95% Min. Wool	5% Non-fibrous (other)	None Detected	
161221142-0034		Fibrous Homogeneous				

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			<u>Non-Asb</u>	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
3101-Mastic		Brown		100% Non-fibrous (other)	<1% Chrysotile
161221142-0034A		Non-Fibrous Homogeneous			
3102-Ceiling Tile		White	98% Min. Wool	2% Non-fibrous (other)	None Detected
161221142-0035		Fibrous Homogeneous			
3102-Mastic		Brown		100% Non-fibrous (other)	None Detected
161221142-0035A		Non-Fibrous Homogeneous			
3103-Ceiling Tile		White	98% Min. Wool	2% Non-fibrous (other)	None Detected
161221142-0036		Fibrous Homogeneous			
3103-Mastic		Brown		100% Non-fibrous (other)	None Detected
161221142-0036A		Non-Fibrous Homogeneous			
3301-Floor Tile		Brown		97% Non-fibrous (other)	3% Chrysotile
161221142-0037		Non-Fibrous Homogeneous			
3301-Mastic		Black		100% Non-fibrous (other)	None Detected
161221142-0037A		Non-Fibrous Homogeneous			
3401		Gray/White	40% Cellulose	15% Perlite	None Detected
161221142-0038		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	

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			Non-Ast	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
3402		Gray/White	40% Cellulose	15% Perlite	None Detected
161221142-0039		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	
3403		Gray/White	40% Cellulose	15% Perlite	None Detected
161221142-0040		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	
3601		White/Beige	40% Cellulose	15% Perlite	None Detected
161221142-0041		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	
3701		White/Yellow	95% Glass	5% Non-fibrous (other)	None Detected
161221142-0042		Fibrous Homogeneous			
3801		Gray/White	40% Cellulose	15% Perlite	None Detected
161221142-0043		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	
3901-Floor Tile	9	Tan/Various		100% Non-fibrous (other)	None Detected
161221142-0044		Non-Fibrous Homogeneous			
3901-Mastic		Black/Yellow		100% Non-fibrous (other)	None Detected
161221142-0044A		Non-Fibrous Homogeneous			
4001		Tan		100% Non-fibrous (other)	None Detected
161221142-0045		Non-Fibrous Homogeneous			

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			Non-Asb	estos	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
4101		Gray/White	50% Cellulose	15% Perlite	None Detected	
161221142-0046		Fibrous Homogeneous	30% Min. Wool	5% Non-fibrous (other)		
4201		Gray/White	60% Cellulose	20% Mica	None Detected	
161221142-0047		Fibrous Homogeneous		20% Non-fibrous (other)		
4202		Gray	60% Cellulose	40% Non-fibrous (other)	None Detected	
161221142-0048		Fibrous Homogeneous				
4203		Gray	60% Cellulose	40% Non-fibrous (other)	None Detected	
161221142-0049		Fibrous Homogeneous				
4401		Gray		100% Non-fibrous (other)	None Detected	
161221142-0050		Non-Fibrous Homogeneous				
4501		Gray/White	40% Cellulose	15% Perlite	None Detected	
161221142-0051		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)		
4601		Gray/White	40% Cellulose	15% Perlite	None Detected	
161221142-0052		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)		
4702		Gray	40% Min. Wool	60% Non-fibrous (other)	None Detected	
161221142-0053		Fibrous Homogeneous				

Analyst(s)

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 Grand Rapids, MI 49505
 Collected:
 1/3/2013

Project: Cadillac Place Building Asbestos Survey

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asb	estos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
4703		Gray	40% Min. Wool	60% Non-fibrous (other)	None Detected	
161221142-0054		Fibrous Homogeneous				
4801-Cove Base		Gray		100% Non-fibrous (other)	None Detected	
161221142-0055		Non-Fibrous Homogeneous				
4801-Mastic		Tan		100% Non-fibrous (other)	None Detected	
161221142-0055A		Non-Fibrous Homogeneous				
4901		Pink		100% Non-fibrous (other)	None Detected	
161221142-0056		Non-Fibrous Homogeneous				
5001		Gray/Black	95% Min. Wool	5% Non-fibrous (other)	None Detected	
161221142-0057		Fibrous Heterogeneous				
5201-Floor Tile		White		97% Non-fibrous (other)	3% Chrysotile	
161221142-0058		Non-Fibrous Homogeneous				
5201-Mastic		Black		100% Non-fibrous (other)	None Detected	
161221142-0058A		Non-Fibrous Homogeneous				
5401-Floor Tile		Brown		96% Non-fibrous (other)	4% Chrysotile	
161221142-0059		Non-Fibrous Homogeneous				

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		<u>Non-Asb</u>		sbestos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
5401-Mastic		Black		100% Non-fibrous (other)	None Detected
161221142-0059A		Non-Fibrous Homogeneous			
5601-Cove Base		Black		100% Non-fibrous (other)	None Detected
161221142-0060		Non-Fibrous Homogeneous			
5601-Mastic		Cream		100% Non-fibrous (other)	None Detected
161221142-0060A		Non-Fibrous Homogeneous			
5701-Floor Tile		Gray		97% Non-fibrous (other)	3% Chrysotile
161221142-0061		Non-Fibrous Homogeneous			
5701-Mastic		Black		98% Non-fibrous (other)	2% Chrysotile
161221142-0061A		Non-Fibrous Homogeneous			
5801-Floor Tile		Gray		97% Non-fibrous (other)	3% Chrysotile
161221142-0062		Non-Fibrous Homogeneous			
5801-Mastic		Black		100% Non-fibrous (other)	None Detected
161221142-0062A		Non-Fibrous Homogeneous			
5901-Floor Tile		Gray		97% Non-fibrous (other)	3% Chrysotile
161221142-0063		Non-Fibrous Homogeneous			

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				Non-Asl	<u>pestos</u>	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
5901-Mastic		Black			100% Non-fibrous (other)	None Detected
161221142-0063A		Non-Fibrous Homogeneous				
6001		Gray			100% Non-fibrous (other)	None Detected
161221142-0064		Non-Fibrous Homogeneous				
6101-Floor Tile		Gray			98% Non-fibrous (other)	2% Chrysotile
161221142-0065		Non-Fibrous Homogeneous				
6101-Mastic		Black			100% Non-fibrous (other)	None Detected
161221142-0065A		Non-Fibrous Homogeneous				
6401		Gray			85% Non-fibrous (other)	15% Chrysotile
161221142-0066		Fibrous Homogeneous				
6502		Tan/White			100% Non-fibrous (other)	None Detected
161221142-0067		Non-Fibrous Homogeneous				
			Inseparab	le paint / coating laye	included in analysis	
6503		White/Green			100% Non-fibrous (other)	None Detected
161221142-0068		Non-Fibrous Homogeneous				
			Inseparab	le paint / coating laye	included in analysis	
6601		Gray/White	40%	5 Cellulose	15% Perlite	None Detected
161221142-0069		Fibrous Homogeneous	40%	Min. Wool	5% Non-fibrous (other)	

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				Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
6701-Floor Tile		Black		97% Non-fibrous (other)	3% Chrysotile	
161221142-0070		Non-Fibrous Homogeneous				
6701-Mastic		Black		98% Non-fibrous (other)	2% Chrysotile	
161221142-0070A		Non-Fibrous Homogeneous				
6801		Gray/White		100% Non-fibrous (other)	None Detected	
161221142-0071		Non-Fibrous Homogeneous				
			Inseparable paint / coating lay	er included in analysis		
6901-Floor Tile		Gray/White		97% Non-fibrous (other)	3% Chrysotile	
161221142-0072		Non-Fibrous Homogeneous				
6901-Mastic		Tan		100% Non-fibrous (other)	None Detected	
161221142-0072A		Non-Fibrous Homogeneous				
7101-Cove Base	9	Tan		100% Non-fibrous (other)	None Detected	
161221142-0073		Non-Fibrous Homogeneous				
7101-Mastic		Brown		100% Non-fibrous (other)	None Detected	
161221142-0073A		Non-Fibrous Homogeneous				
7201		Gray		100% Non-fibrous (other)	None Detected	
161221142-0074		Non-Fibrous Homogeneous				

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			Non-As	bestos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
7301-Mastic		Yellow		100% Non-fibrous (other)	None Detected	
161221142-0075		Non-Fibrous Homogeneous				
7301-Floor Tile		Brown		97% Non-fibrous (other)	3% Chrysotile	
161221142-0075A		Non-Fibrous Homogeneous				
7301-Mastic		Black		100% Non-fibrous (other)	None Detected	
161221142-0075B		Non-Fibrous Homogeneous				
7401		Gray	70% Min. Wool	5% Non-fibrous (other)	None Detected	
161221142-0076		Fibrous Homogeneous	25% Cellulose			
7501		Brown/Black		100% Non-fibrous (other)	None Detected	
161221142-0077		Non-Fibrous Homogeneous				
7502		Brown/Black		100% Non-fibrous (other)	None Detected	
161221142-0078		Non-Fibrous Homogeneous				
7503		Brown/Black		100% Non-fibrous (other)	None Detected	
161221142-0079		Non-Fibrous Homogeneous				
7601		Brown/Black	60% Cellulose	40% Non-fibrous (other)	None Detected	
161221142-0080		Fibrous Heterogeneous				

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			Non-Asl	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
7602		Brown/Black	60% Cellulose	40% Non-fibrous (other)	None Detected
161221142-0081		Fibrous Heterogeneous			
7603		Brown/Black	60% Cellulose	40% Non-fibrous (other)	None Detected
161221142-0082		Fibrous Heterogeneous			
7701-Cove Base		Black		100% Non-fibrous (other)	None Detected
161221142-0083		Non-Fibrous Homogeneous			
7701-Mastic		Tan		100% Non-fibrous (other)	None Detected
161221142-0083A		Non-Fibrous Homogeneous			
7801		Gray	99% Cellulose	1% Non-fibrous (other)	None Detected
161221142-0084		Fibrous Homogeneous			
7802		Gray	99% Cellulose	1% Non-fibrous (other)	None Detected
161221142-0085		Fibrous Homogeneous			
7803		Gray	99% Cellulose	1% Non-fibrous (other)	None Detected
161221142-0086		Fibrous Homogeneous			
7901		Black		100% Non-fibrous (other)	None Detected
161221142-0087		Non-Fibrous Homogeneous			

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				Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
8001-Ceiling Tile		White	85% Glass	15% Non-fibrous (other)	None Detected	
161221142-0088		Fibrous Homogeneous				
8001-Glue		Brown		100% Non-fibrous (other)	<1% Chrysotile	
161221142-0088A		Non-Fibrous Homogeneous				
8002-Ceiling Tile		White	80% Glass	20% Non-fibrous (other)	None Detected	
161221142-0089		Fibrous Homogeneous				
8002-Glue		Brown		100% Non-fibrous (other)	<1% Chrysotile	
161221142-0089A		Non-Fibrous Homogeneous				
8003		White	80% Glass	20% Non-fibrous (other)	None Detected	
161221142-0090		Fibrous Homogeneous				
8004-Ceiling Tile		White	85% Glass	15% Non-fibrous (other)	None Detected	
161221142-0091		Fibrous Homogeneous				
8004-Glue		Brown		100% Non-fibrous (other)	<1% Chrysotile	
161221142-0091A		Non-Fibrous Homogeneous				
8005-Ceiling Tile		White	80% Glass	20% Non-fibrous (other)	None Detected	
161221142-0092		Fibrous Homogeneous				

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			Non-As	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
8005-Glue		Brown		100% Non-fibrous (other)	<1% Chrysotile
161221142-0092A		Non-Fibrous Homogeneous			
8006-Ceiling Tile		White	80% Glass	20% Non-fibrous (other)	None Detected
161221142-0093		Fibrous Homogeneous			
8006-Glue		Brown		100% Non-fibrous (other)	<1% Chrysotile
161221142-0093A		Non-Fibrous Homogeneous			
8007-Ceiling Tile		White	80% Glass	20% Non-fibrous (other)	None Detected
161221142-0094		Fibrous Homogeneous			
8007-Glue		Brown		100% Non-fibrous (other)	<1% Chrysotile
161221142-0094A		Non-Fibrous Homogeneous			
8101-Floor Tile		White		100% Non-fibrous (other)	None Detected
161221142-0095		Non-Fibrous Homogeneous			
8101-Mastic		Yellow		100% Non-fibrous (other)	None Detected
161221142-0095A		Non-Fibrous Homogeneous			
8201-Flooring		Tan/White	20% Cellulose	80% Non-fibrous (other)	None Detected
161221142-0096		Fibrous Heterogeneous			

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			<u>Non-As</u>	bestos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
8201-Mastic		Brown		100% Non-fibrous (other)	None Detected	
161221142-0096A		Non-Fibrous Homogeneous				
8501		Gray		100% Non-fibrous (other)	None Detected	
161221142-0097		Non-Fibrous Homogeneous				
8601-Floor Tile		Black		100% Non-fibrous (other)	None Detected	
161221142-0098		Non-Fibrous Homogeneous				
8601-Mastic		Yellow		100% Non-fibrous (other)	None Detected	
161221142-0098A		Non-Fibrous Homogeneous				
8701		Violet		100% Non-fibrous (other)	None Detected	
161221142-0099		Non-Fibrous Homogeneous				
8901-Floor Tile		Red		100% Non-fibrous (other)	None Detected	
161221142-0100		Non-Fibrous Homogeneous				
8901-Mastic		Brown/Black	2% Cellulose	98% Non-fibrous (other)	None Detected	
161221142-0100A		Non-Fibrous Homogeneous				
9001		Gray/Blue		100% Non-fibrous (other)	None Detected	
161221142-0101		Non-Fibrous Homogeneous				

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 12/18/12 10:25 AM

 Grand Rapids, MI 49505
 Collected:
 1/3/2013

Project: Cadillac Place Building Asbestos Survey

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asb	estos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
9101		White	10% Cellulose	10% Non-fibrous (other)	None Detected	
161221142-0102		Fibrous Homogeneous	80% Min. Wool			
9201-Floor Tile		Brown/Beige		97% Non-fibrous (other)	3% Chrysotile	
161221142-0103		Non-Fibrous Homogeneous				
9201-Mastic		Black		100% Non-fibrous (other)	None Detected	
161221142-0103A		Non-Fibrous Homogeneous				
9301		Brown		100% Non-fibrous (other)	None Detected	
161221142-0104		Non-Fibrous Homogeneous				
9401-Flooring		Brown/Red	70% Cellulose	30% Non-fibrous (other)	None Detected	
161221142-0105		Fibrous Heterogeneous				
9401-Mastic		Brown		100% Non-fibrous (other)	None Detected	
161221142-0105A		Non-Fibrous Homogeneous				
9501-Ceiling Ti	ile	White	10% Cellulose	10% Non-fibrous (other)	None Detected	
161221142-0106		Fibrous Homogeneous	80% Min. Wool			
9501-Mastic		Brown		100% Non-fibrous (other)	None Detected	
161221142-0106A		Non-Fibrous Homogeneous				

Analyst(s)

Christopher Bovard (23) Ross Matlock (44) Jadda Moffett (104) Jubard Z. Harding

Richard Harding, Laboratory Manager or other approved signatory

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EMSL Order: 161221142 CustomerID: MATE53 CustomerPO: ProjectID:

 Attn:
 Chris Kestner
 Phone:
 (616) 456-5469

 Materials Testing Consultants
 Fax:
 (616) 456-5784

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			Non-As	sbestos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
9601		Gray		100% Non-fibrous (other)	None Detected
161221142-0107		Non-Fibrous Homogeneous			
9701-Floor Tile		Black		98% Non-fibrous (other)	2% Chrysotile
161221142-0108		Non-Fibrous Homogeneous			
9701-Mastic		Black		100% Non-fibrous (other)	None Detected
161221142-0108A		Non-Fibrous Homogeneous			
9801		Gray/White	40% Cellulose	15% Perlite	None Detected
161221142-0109		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	
9901-Yellow Ma	stic	Yellow		100% Non-fibrous (other)	None Detected
161221142-0110		Non-Fibrous Homogeneous			
9901-Floor Tile		Gray		98% Non-fibrous (other)	2% Chrysotile
161221142-0110A		Non-Fibrous Homogeneous			
9901-Black Mas	tic	Black		100% Non-fibrous (other)	None Detected
161221142-0110B		Non-Fibrous Homogeneous			
10001-Ceiling T	ile	Brown/White	95% Cellulose	5% Non-fibrous (other)	None Detected
161221142-0111		Fibrous Homogeneous			

Analyst(s)

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				<u>Non-Asb</u>	estos	Asbestos	
Sample	Description	Appearance	% Fi	ibrous	% Non-Fibrous	% Type	
10001-Mastic		Brown			100% Non-fibrous (other)	None Detected	
161221142-0111A		Non-Fibrous Homogeneous					
10002-Ceiling Tile	•	Brown/White	95%	Cellulose	5% Non-fibrous (other)	None Detected	
161221142-0112		Fibrous Homogeneous					
10002-Mastic		Brown			100% Non-fibrous (other)	None Detected	
161221142-0112A		Non-Fibrous Homogeneous					
10003		Brown	95%	Cellulose	5% Non-fibrous (other)	None Detected	
161221142-0113		Fibrous Homogeneous					
10101		Brown/White	60%	Cellulose	40% Non-fibrous (other)	None Detected	
161221142-0114		Fibrous Homogeneous					
10201		Green	20%	Cellulose	80% Non-fibrous (other)	None Detected	
161221142-0115		Fibrous Homogeneous					
10301		White	95% I	Min. Wool	5% Non-fibrous (other)	None Detected	
161221142-0116		Fibrous Homogeneous					
10302		White	95% I	Min. Wool	5% Non-fibrous (other)	None Detected	
161221142-0117		Fibrous Homogeneous					

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			<u>Non-Asb</u>	estos	Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type		
10303-Ceiling Ti	le	White	95% Min. Wool	5% Non-fibrous (other)	None Detected		
161221142-0118		Fibrous Homogeneous					
10303-Mastic		Brown		100% Non-fibrous (other)	None Detected		
161221142-0118A		Non-Fibrous Homogeneous					
10401		White	5% Cellulose	95% Non-fibrous (other)	None Detected		
161221142-0119		Non-Fibrous Homogeneous					
			Inseparable paint / coating layer	ncluded in analysis			
10501-Cove Bas	e	Gray		100% Non-fibrous (other)	None Detected		
161221142-0120		Non-Fibrous Homogeneous					
10501-Mastic		Yellow		100% Non-fibrous (other)	None Detected		
161221142-0120A		Non-Fibrous Homogeneous					
10701		Brown	20% Cellulose	80% Non-fibrous (other)	None Detected		
161221142-0121		Fibrous Homogeneous					

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EMSL Order: 161302421 CustomerID: MATE53 CustomerPO: ProjectID:

Attn:	Chris Kestner Materials Testing Consultants 693 Plymouth N. E. Grand Rapids, MI 49505	Phone: Fax: Received: Analysis Date: Collected:	(616) 456-5469 (616) 456-5784 02/15/13 10:15 AM 2/22/2013 2/13/2013
Projec	ct: 121268		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

				Non-A	Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
12001-Floor Tile		Red			95% Non-fibrous (other)	5%	Chrysotile
161302421-0001		Non-Fibrous Homogeneous					
12001-Mastic		Black			98% Non-fibrous (other)	2%	Chrysotile
161302421-0001A		Non-Fibrous Homogeneous					
12101-Floor Tile		Yellow			100% Non-fibrous (other)		None Detected
161302421-0002		Non-Fibrous Homogeneous					
12101-Mastic		Black			100% Non-fibrous (other)		None Detected
161302421-0002A		Non-Fibrous Homogeneous					
12201-Floor Tile		Tan			100% Non-fibrous (other)		None Detected
161302421-0003		Non-Fibrous Homogeneous					
12201-Mastic		Gray/Yellow			100% Non-fibrous (other)		None Detected
161302421-0003A		Non-Fibrous Homogeneous					
12301		Brown			100% Non-fibrous (other)		None Detected
161302421-0004		Non-Fibrous Homogeneous					
12401-Floor Tile		Gray			100% Non-fibrous (other)		None Detected
161302421-0005		Non-Fibrous Homogeneous					

Analyst(s)

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	Materials Testing Consultants 693 Plymouth N. E.	Received:	02/15/13 10:15 AM
	Grand Rapids, MI 49505	Analysis Date: Collected:	2/22/2013 2/13/2013
Ξ.			

Project: 121268

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-As	bestos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
12401-Mastic		Black	2% Cellulose	98% Non-fibrous (other)	None Detected	
161302421-0005A		Non-Fibrous Homogeneous				
12501		Black		100% Non-fibrous (other)	None Detected	
161302421-0006		Non-Fibrous Homogeneous				
12601-Cove Base		Black		100% Non-fibrous (other)	None Detected	
161302421-0007		Non-Fibrous Homogeneous				
12601-Mastic		Brown		100% Non-fibrous (other)	None Detected	
161302421-0007A		Non-Fibrous Homogeneous				
12701		Pink/Clear		100% Non-fibrous (other)	None Detected	
161302421-0008		Non-Fibrous Homogeneous				
12801		Gray/Yellow/Clear		100% Non-fibrous (other)	None Detected	
161302421-0009		Non-Fibrous Homogeneous				
12901		Yellow		100% Non-fibrous (other)	None Detected	
161302421-0010		Non-Fibrous Homogeneous				
13001-Floor Tile		Beige		98% Non-fibrous (other)	2% Chrysotile	
161302421-0011		Non-Fibrous Homogeneous				

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Projec	t: 121268		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

				<u>Non-As</u>	Asbestos		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	%	Туре
13001-Mastic		Black			97% Non-fibrous (other)	3%	Chrysotile
161302421-0011A		Non-Fibrous Homogeneous					
13101-Floor Trea	ad	Tan/Red	20%	Cellulose	80% Non-fibrous (other)		None Detected
161302421-0012		Fibrous Heterogeneous					
13101-Mastic		Brown			100% Non-fibrous (other)		None Detected
161302421-0012A		Non-Fibrous Homogeneous					
13201		Gray			100% Non-fibrous (other)		None Detected
161302421-0013		Non-Fibrous Homogeneous					
13301		White			100% Non-fibrous (other)		None Detected
161302421-0014		Non-Fibrous Homogeneous					
13401		Green			100% Non-fibrous (other)		None Detected
161302421-0015		Non-Fibrous Homogeneous					
13501		Gray			80% Non-fibrous (other)	20%	Chrysotile
161302421-0016		Fibrous Homogeneous					
13601-Floor Tile		Beige			100% Non-fibrous (other)		None Detected
161302421-0017		Non-Fibrous Homogeneous					

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2/13/2013

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				Non-Asb	estos	Asbestos	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type	
13601-Mastic		Black/Orange			100% Non-fibrous (other)	None Detected	
161302421-0017A		Non-Fibrous Homogeneous					
13701		Gray/White	40%	Cellulose	15% Perlite	None Detected	
161302421-0018		Fibrous Homogeneous	40%	Min. Wool	5% Non-fibrous (other)		
13801		White	2%	Cellulose	98% Non-fibrous (other)	None Detected	
161302421-0019		Non-Fibrous Homogeneous					
			Inseparabl	e paint / coating layer	ncluded in analysis		
13802		White			100% Non-fibrous (other)	None Detected	
161302421-0020		Non-Fibrous Homogeneous					
			Inseparabl	e paint / coating layer	ncluded in analysis		
13803		White			100% Non-fibrous (other)	None Detected	
161302421-0021		Non-Fibrous Homogeneous					
			Inseparable	e paint / coating layer	ncluded in analysis		
13901		Gray/Silver	85%	Min. Wool	15% Non-fibrous (other)	None Detected	
161302421-0022		Fibrous Homogeneous					
14001		Gray/Silver	85%	Min. Wool	15% Non-fibrous (other)	None Detected	
161302421-0023		Fibrous Homogeneous					

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			Non-Asb	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
14101		Tan/Black	10% Cellulose	80% Non-fibrous (other)	10% Chrysotile
161302421-0024		Non-Fibrous Heterogeneous			
14201-Floor Tile		Beige		100% Non-fibrous (other)	None Detected
161302421-0025		Non-Fibrous Homogeneous			
14201-Mastic		Yellow		100% Non-fibrous (other)	None Detected
161302421-0025A		Non-Fibrous Homogeneous			
14301-Floor Tile		Tan		100% Non-fibrous (other)	None Detected
161302421-0026		Non-Fibrous Homogeneous			
14301-Mastic		Brown		100% Non-fibrous (other)	<1% Chrysotile
161302421-0026A		Non-Fibrous Homogeneous			
14401		Tan/Beige	40% Cellulose	15% Perlite	None Detected
161302421-0027		Fibrous Homogeneous	40% Min. Wool	5% Non-fibrous (other)	
14501-Floor Tile		Black		100% Non-fibrous (other)	None Detected
161302421-0028		Non-Fibrous Homogeneous			
14501-Mastic		Yellow/Clear		100% Non-fibrous (other)	None Detected
161302421-0028A		Non-Fibrous Homogeneous			

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			Non-Asb	estos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
14601		Tan/Black	10% Cellulose	90% Non-fibrous (other)	None Detected
161302421-0029		Non-Fibrous Heterogeneous			
14701-Floor T	File	Gray		98% Non-fibrous (other)	2% Chrysotile
161302421-0030		Non-Fibrous Homogeneous			
14701-Mastic	:	Black		100% Non-fibrous (other)	None Detected
161302421-00304	4	Non-Fibrous Homogeneous			
14801		Brown		100% Non-fibrous (other)	None Detected
161302421-0031		Non-Fibrous Homogeneous			
14901		White/Silver	85% Min. Wool	15% Non-fibrous (other)	None Detected
161302421-0032		Fibrous Homogeneous			
15001-Cove E	Base	Tan		100% Non-fibrous (other)	None Detected
161302421-0033		Non-Fibrous Homogeneous			
15001-Mastic		Yellow		100% Non-fibrous (other)	None Detected
161302421-0033A	4	Non-Fibrous Homogeneous			
15101		Gray		100% Non-fibrous (other)	None Detected
161302421-0034		Non-Fibrous Homogeneous			

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Richard Harding, Laboratory Manager or other approved signatory

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EMSL Order: 161302421 CustomerID: MATE53 CustomerPO: ProjectID:

Attn:	Chris Kestner Materials Testing Consultants 693 Plymouth N. E. Grand Rapids, MI 49505	Phone: Fax: Received: Analysis Date: Collected:	(616) 456-5469 (616) 456-5784 02/15/13 10:15 AM 2/22/2013 2/13/2013
Proje	ct: 121268		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

				<u>Non-Ast</u>	<u>bestos</u>	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
15201-Ceiling Tile	9	Tan	95%	Cellulose	5% Non-fibrous (other)	None Detected
161302421-0035		Fibrous Homogeneous				
15201-Mastic		Brown			100% Non-fibrous (other)	None Detected
161302421-0035A		Non-Fibrous Homogeneous				
15202-Ceiling Tile	9	Tan/White	95%	Cellulose	5% Non-fibrous (other)	None Detected
161302421-0036		Fibrous Homogeneous				
15202-Mastic		Brown			100% Non-fibrous (other)	None Detected
161302421-0036A		Non-Fibrous Homogeneous				
15203		Tan/White	95%	Cellulose	5% Non-fibrous (other)	None Detected
161302421-0037		Fibrous Homogeneous				
15301		White	5%	Glass	95% Non-fibrous (other)	None Detected
161302421-0038		Non-Fibrous Homogeneous				
15302		White	5%	Glass	95% Non-fibrous (other)	None Detected
161302421-0039		Non-Fibrous Homogeneous				
15303		White	5%	Glass	95% Non-fibrous (other)	None Detected
161302421-0040		Non-Fibrous Homogeneous				

Analyst(s)

Christopher Bovard (67)

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EMSL Order: 161302421 CustomerID: MATE53 CustomerPO: ProjectID:

Attn:	Chris Kestner Materials Testing Consultants 693 Plymouth N. E. Grand Rapids, MI 49505	Phone: Fax: Received: Analysis Date: Collected:	(616) 456-5469 (616) 456-5784 02/15/13 10:15 AM 2/22/2013 2/13/2013
Proje	ct: 121268		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

				<u>Non-Asl</u>	<u>pestos</u>	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
15401		Tan			100% Non-fibrous (other)	None Detected
161302421-0041		Non-Fibrous Homogeneous				
15501		Gray/Black	5%	Synthetic	95% Non-fibrous (other)	None Detected
161302421-0042		Non-Fibrous Heterogeneous				
15601		Gray/Black	15%	Cellulose	85% Non-fibrous (other)	None Detected
161302421-0043		Fibrous Homogeneous				
15701		Black			100% Non-fibrous (other)	None Detected
161302421-0044		Non-Fibrous Homogeneous				
15801		Gray			100% Non-fibrous (other)	None Detected
161302421-0045		Non-Fibrous Homogeneous				
15901		Gray			100% Non-fibrous (other)	None Detected
161302421-0046		Non-Fibrous Homogeneous				
16001		Gray/Green			100% Non-fibrous (other)	<1% Chrysotile
161302421-0047		Non-Fibrous Homogeneous				
			Inseparabl	e paint / coating layer	included in analysis	
16101		White/Black			100% Non-fibrous (other)	None Detected
161302421-0048		Non-Fibrous Homogeneous				

Analyst(s)

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EMSL Order: 161302421 CustomerID: MATE53 CustomerPO: ProjectID:

Attn:	Chris Kestner	Phone:	(616) 456-5469
	Materials Testing Consultants	Fax:	(616) 456-5784
	693 Plymouth N. E.	Received:	02/15/13 10:15 AM
		Analysis Date:	2/22/2013
	Grand Rapids, MI 49505	Collected:	2/13/2013
Proje	ct: 121268		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	Description	Appearance	%	Fibrous	%	Non-Fibrous	% Type
16201 161302421-0049		White/Orange Fibrous Homogeneous	95%	Glass		5% Non-fibrous (other)	None Detected
16301 161302421-0050		Tan/White Fibrous Homogeneous	95%	Glass		5% Non-fibrous (other)	None Detected
16302 161302421-0051		White Fibrous Homogeneous	70%	Cellulose	:	30% Non-fibrous (other)	None Detected
16303 161302421-0052		Gray/White Fibrous Homogeneous	10% 80%	Cellulose Glass		10% Non-fibrous (other)	None Detected

Analyst(s)

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Juband Z. Horder

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Initial report from 02/22/2013 11:53:27

9



CHAIN OF CUSTODY

MTC mtc-test.com 800.968.8378	22504102 PROJECT NO.: 257802 PROJECT NAME: Gadillac Place 4th Flow Renowhen Asbestos CLIENT: Strawb Retfift Kaste Ashitects NESHAP Survey PEL Shipping
CI	HAIN OF CUSTODY
Matthew Plummer Chris Kestner Report to: Tim Raymond	Matthew Plummer Mplummer@mtc-test.com Email to: Chris Kestner Ckestner@mtc-test.com Tim Raymond Traymond@mtc-test.com other:
Analysis Requested: Asbestos: PLM EPA 600 Paint: FAA, Lead Paint: FAA, Lead, Cadnium, Chromium Other:	QA Check by: 1.week Turnaround Time: 72 hour (Standard) Other Other
Sampled by: The Recipion	Sample Date: 4/21/25
Remarks:	· · / / =
Relinquished by:	Date/Time: 4/22/25 Positive Stop: Yes No
Tracking Number:	No. of samples submitted 22
Received by: KJ FF	Date/Time: $4/73/75/3:0$ No. of pages attached $4/7$

Jon.3

PROJECT NO .: 121268

PROJECT CLIENT

161221142

Cadillac Place Building Asbestos Survey 161221142 Michigan Department of Technology Management and Budget

CHAIN OF CUSTODY

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Verbal Results to: Telephone No.: FAX No.: Email: Delivered By:	Chris Kestner 616-456-5469 616-456-5784 ckestner@mateco.com Federal Express	_ Written Re _ Turnaroun _ Attached Docu	d Time: PO #:	
REMARKS: Plea	se e-mail results when complete.			

Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC No.
102	Plaster	CJK	12-11-12	Bulk	NA	PLM	NA
103	u	u	u	u	"	u	u
104	u	"	u	u	"	u	u
105	"	u					
106	ű	"			u	u	
107	"	"	u	<u>и</u>			"
401					u	u	"
	Woolfelt Piping, greater than 6"	CJK	12-11-12	Bulk	NA	PLM	NA
402	u	u	12-14-12	"	"	u	"
403	u	u	u	u	"	u	"
501	MCI on Woolfelt Piping	СЈК	12-11-12	Bulk	NA	PLM	NA
502	u	u	12-14-12	"	u		"
503	ű	u	"	"	u	u	"
701	Mag Piping, greater than 6"	СЈК	12-11-12	Bulk	N14		
702	"				NA	PLM	NA
1001			12-14-12	"	u	u	u
8-9-9484 - 14	Aircell Piping, greater than 6"	CJK	12-11-12	Bulk	NA	PLM	NA
1002	ű	u	12-14-12	u	u	u	ű
202	Woolfelt Piping, 6" or less	CJK	12-11-12	Bulk	NA	PLM	NA
203	ű	u	12-12-12	"	"	"	u
502	Drywall	СЈК	12-11-12	Bulk	NA	PLM	NA
503	u	u	12-13-12	<i>u</i>	a	"	"
1-01	+ 1701 - 0						
601	t 1701 per CI 12/28/12	Page 1 o	f 5				
ap '	12/28/12	14					



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Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC
1901	12" x 12" Floor Tile	СЈК	12-11-12	Bulk	NA	PLM	No.
2101	Tank Wrap	CJK	12-11-12	Bulk	NA	PLM	NA
2102	u	u	"		"	"	"
2103	u	u	u	"	"	u	u
2301	12" x 12" Floor Tile	СЈК	12-11-12	Bulk	NA	PLM	
2401	2' x 2' Ceiling Tile	СЈК	12-11-12	Bulk	NA		NA
2601	2' x 2' Ceiling Tile	CJK	12-11-12	Bulk	NA		NA
2701	12" x 12" Floor Tile	CJK	12-11-12	Bulk	NA	PLM	NA
2801	2' x 2' Ceiling Tile	CJK	12-11-12	Bulk		PLM	NA
2901	5" Vinyl Cove Base	СЈК	12-11-12		NA	PLM	NA
3001	9" x 9" Floor Tile	CJK		Bulk	NA	PLM	NA
3101	12" x 12" Ceiling Tile, Glued-on	CJK	12-11-12	Bulk	NA	PLM	NA
3102	"	" "	12-11-12	Bulk	NA	PLM	NA
3103	"		12-13-12	"	u	u	u
3301	0" 0" [u	u	"	"	u
	9" x 9" Floor Tile	CJK	12-11-12	Bulk	NA	PLM	NA
3401	2' x 4' Ceiling Tile	CJK	12-12-12	Bulk	NA	PLM	NA
3402	"	u	ű	u	u	"	u
3403	u	u	u	u	"	"	u
3601	2' x 4' Ceiling Tile	СЈК	12-11-12	Bulk	NA	PLM	NA
3701	2' x 4' Ceiling Tile	CJK	12-11-12	Bulk	NA	PLM	NA
801	2' x 4' Ceiling Tile	CJK	12-11-12	Bulk	NA	PLM	NA
901	12" x 12" Floor Tile	СЈК	12-11-12	Bulk	NA	PLM	NA
001	4" Vinyl Cove Base	CJK	12-11-12	Bulk	NA	PLM	NA
101	2' x 2' Ceiling Tile	CJK	12-12-12	Bulk	NA		NA
201	Sprayed-on Fireproofing	CJK	12-12-12	Bulk	NA		NA
202	u	u	12-13-12	u	"		"
203	ű	u	"	u	"	u	u

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PROJECT NO .:

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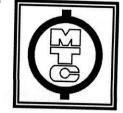
161221142

PROJECT CLIENT

Cadillac Place Building Asbestos Survey

Michigan Department of Technology Management and Budget

Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC No.
4401	12" x 12" Floor Tile	СЈК	12-12-12	Bulk	NA	PLM	NA
4501	Wall Panel, Light Texture	СЈК	12-12-12	Bulk	NA	PLM	NA
4601	Wall Panel. Heavy Texture	СЈК	12-12-12	Bulk	NA	PLM	NA
4702	MCI on Fiberglass Piping	СЈК	12-12-12	Bulk	NA	PLM	NA
4703	u	u	12-14-12	u	"	u	"
4801	4"Vinyl Cove Base	СЈК	12-12-12	Bulk	NA	PLM	NA
4901	Fireproofing Caulk	СЈК	12-12-12	Bulk	NA	PLM	NA
5001	Vibration Dampening Cloth	СЈК	12-12-12	Bulk	NA	PLM	NA
5201	9" x 9" Floor Tile	СЈК	12-12-12	Bulk	NA	PLM	NA
5401	9" x 9" Floor Tile	СЈК	12-12-12	Bulk	NA	PLM	NA
5601	6" Vinyl Cove Base	CJK	12-12-12	Bulk	NA	PLM	NA
5701	12" x 12" Floor Tile	СЈК	12-12-12	Bulk	NA	PLM	NA
5801	9" x 9" Floor Tile	CJK	12-12-12	Bulk	NA	PLM	NA
5901	9" x 9" Floor Tile	СЈК	12-12-12	Bulk	NA	PLM	NA
3001	Duct Caulk	СЈК	12-12-12	Bulk	NA	PLM	NA
6101	12" x 12" Floor Tile	CJK	12-12-12	Bulk	NA	PLM	NA
6401	Transite Panel	CJK	12-12-12	Bulk	NA	PLM	NA
6502	Decorative Plaster	CJK	12-12-12	Bulk	NA	PLM	NA
6503	u	"	12-13-12	"	"	" LIVI	"
601	1' x 2" Ceiling Tile	СЈК	12-12-12	Bulk	NA	PLM	NA
5701	12" x 12" Floor Tile	СЈК	12-12-12	Bulk	NA	PLM	
801	Window Caulk	СЈК	12-12-12	Bulk	NA	PLM	NA
901	18" x 18" Floor Tile	СЈК	12-12-12	Bulk	NA	PLM	
101	4" Vinyl Cove Base	CJK	12-12-12	Bulk	NA	PLM	NA NA
	Sink Under Coating	CJK	12-12-12	Bulk	NA		
	12" x 12" Floor Tile	CJK	12-12-12		NA		NA
	Vibration Dampening Cloth	CJK	12-12-12		NA		NA NA



161221142

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PROJECT NO .:

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161221142

PROJECT CLIENT Cadillac Place Building Asbestos Survey

Michigan Department of Technology Management and Budget

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Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC No.
7501	Cork Covered Piping	CJK	12-12-12	Bulk	NA	PLM	NA
7502	u	u	12-14-12	"	u	u	"
7503	ű	"	"	u	"	и	u
7601	MCI on Cork Covered Piping	СЈК	12-12-12	Bulk	NA	PLM	NA
7602	"	"	12-14-12	"	"	"	"
7603	"	u		"	u	"	u
7701	3" Vinyl Cove Base	CJK	12-12-12	Bulk	NA	PLM	NA
7801	Sprayed-on Fireproofing	СЈК	12-12-12	Bulk	NA	PLM	NA
7802	ű	"	u		"	"	"
7803	"	"	u	u	"	"	u
7901	Window Caulk	СЈК	12-12-12	Bulk	NA	PLM	NA
8001	12" x 12" Ceiling Tile, Glued-on	СЈК	12-12-12	Bulk	NA	PLM	
8002	u	"	"	"	<i>u</i>	"	NA "
8003	"	u	"	u	u	"	"
3004	u	u	"	u	u	"	u
3005	ű	ű	"	ű	u	"	u
3006	u	"	"	ű	"	"	u
007	u	u	"	"	"	u	"
101	12" x 12" Floor Tile	СЈК	12-12-12	D			
201	Vinyl Sheet Flooring	CJK		Bulk	NA	PLM	NA
501	12" x 12" Floor Tile		12-12-12	Bulk	NA	PLM	NA
601	12" x 12" Floor Tile	CJK	12-13-12	Bulk	NA	PLM	NA
701	12" x 12" Floor Tile	CJK	12-13-12	Bulk	NA	PLM	NA
901	12" x 12" Floor Tile	CJK	12-13-12	Bulk	NA	PLM	NA
001		CJK	12-13-12	Bulk	NA	PLM	NA
0000948 - 60	12" x 12" Floor Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
101	2' x 2' Ceiling Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
201	9" x 9" Floor Tile	CJK	12-13-12	Bulk	NA	PLM	NA



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PROJECT NO .:

121268

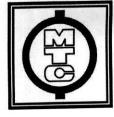
161221142

PROJECT CLIENT Cadillac Place Building Asbestos Survey Michigan Department of Technology Management and Budget

CHAIN OF CUSTODY

Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC No.
9301	Duct Caulk	CJK	12-13-12	Bulk	NA	PLM	NA
9401	9" x 9" Floor Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
9501	12" x 12" Ceiling Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
9601	12" x 12" Floor Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
9701	1' x 2' Floor Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
9801	2' x 4' Ceiling Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
9901	12" x 12" Floor Tile	СЈК	12-13-12	Bulk	NA	PLM	NA
10001	12" x 12" Ceiling Tile, Glued-on	СЈК	12-13-12	Bulk	NA	PLM	NA
10002	и	u	u	u	u	u	u .
10003	u	u	"	"	u	u	u
10101	2' x 2' Floor Tile	CJK	12-13-12	Bulk	NA	PLM	NA
10201	Vinyl Sheet Flooring	CJK	12-13-12	Bulk	NA	PLM	NA
10301	12" x 12" Ceiling Tile, Glued-on	CJK	12-13-12	Bulk	NA	PLM	NA
10302	u	u	u	"	"	"	"
10303	4	u	u	u	u	u	u
0401	Sink Under Coating	СЈК	12-13-12	Bulk	NA	PLM	NA
0501	4" Vinyl Cove Base	CJK	12-13-12	Bulk	NA	PLM	NA
0701	Vinyl Sheet Flooring	СЈК	12-13-12	Bulk	NA	PLM	NA

Relinquished by:	Date:	Time:	Received by:
	12-17-12	17:00	Federal Express
	12/18/12	1025	Arman
	/. /	1 /	DX



161302421 project NO.: 121268 aterials resting onsultants

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Cadillac Place Building Asbestos Survey

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Michigan Department of Technology Management and Budget

CHAIN OF CUSTODY

Verbal Results to:	Chris Kestner	Written Report to:	Chris Kestner	
Telephone No.:	616-456-5469	Turnaround Time:	1 week	
FAX No.:	616-456-5784	PO #:	NA	
Email: Delivered By:	ckestner@mateco.com	Attached Documents:	NA	
	Federal Express			

REMARKS: Please e-mail results when complete.

Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC No.
12001	9" x 9" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
12101	9" x 9" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
12201	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
12301	Interior Window Caulk	СК	2-13-13	Bulk	NA	PLM	NA
12401	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
12501	Old Kitchen Mastic	СК	2-13-13	Bulk	NA	PLM	NA
12601	Vinyl Cove Base	СК	2-13-13	Bulk	NA	PLM	NA
12701	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
12801	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
12901	Vinyl Stair Tread	СК	2-13-13	Bulk	NA	PLM	NA
13001	9" x 9" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
13101	Vinyl Floor Tread	СК	2-13-13	Bulk	NA	PLM	NA
13201	Vinyl Cove Base	СК	2-13-13	Bulk	NA	PLM	NA
13201	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
13401	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
13501	Transite Panel	СК	2-13-13	Bulk	NA	PLM	NA
13601	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
13701	2' x 4' Ceiling Tile	СК	2-13-13	Bulk	NA	PLM	NA
13701	Popcorn Ceiling	СК	2-13-13	Bulk	NA	PLM	NA
13901	12" x 12" Ceiling Tile	СК	2-13-13	Bulk	NA	PLM	NA





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Cadillac Place Building Asbestos Survey

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CHAIN OF CUSTODY

Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC No.
14001 -	12" x 12" Ceiling Tile	СК	2-13-13	Bulk	NA	PLM	NA
14101	Vinyl Sheet Flooring	СК	2-13-13	Bulk	NA	PLM	NA
14201	9" x 9" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
14301	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
14401	2' x 4' Ceiling Tile	СК	2-13-13	Bulk	NA	PLM	NA
14501	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
14601	Vinyl Sheet Flooring	СК	2-13-13	Bulk	NA	PLM	NA
14701	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
14801	Brown Glue Pods	СК	2-13-13	Bulk	NA	PLM	NA
14901	2' x 2' Ceiling Tile	СК	2-13-13	Bulk	NA	PLM	NA
15001	Vinyl Cove Base	СК	2-13-13	Bulk	NA	PLM	NA
15101	Vinyl Cove Base	СК	2-13-13	Bulk	NA	PLM	NA
15201	12" x 12" Ceiling Tile	СК	2-13-13	Bulk	NA	PLM	NA
15301	12" x 12" Ceiling Tile Glued	СК	2-13-13	Bulk	NA	PLM	NA
15302	12" x 12" Ceiling Tile Glued	СК	2-13-13	Bulk	NA	PLM	NA
15303	12" x 12" Ceiling Tile Glued	СК	2-13-13	Bulk	NA	PLM	NA
15401	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
15501	Rolled Roofing	СК	2-13-13	Bulk	NA	PLM	NA
15601	Roof Flashing	СК	2-13-13	Bulk	NA	PLM	NA
15701	Roof Tar	СК	2-13-13	Bulk	NA	PLM	NA
15801	Exterior Roof Caulk	СК	2-13-13	Bulk	NA	PLM	NA
15901	Exterior Roof Caulk	СК	2-13-13	Bulk	NA	PLM	NA
16001	Window Glazing	СК	2-13-13	Bulk	NA	PLM	NA
16101	12" x 12" Floor Tile	СК	2-13-13	Bulk	NA	PLM	NA
16201	12" x 12" Ceiling Tile	СК	2-13-13	Bulk	NA	PLM	NA
16301	HVAC Duct Insulation	СК	2-13-13	Bulk	NA	PLM	NA
16302	HVAC Duct Insulation	СК	2-13-13	Bulk	NA	PLM	NA

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PROJECT CLIENT Cadillac Place Building Asbestos Survey

Michigan Department of Technology Management and Budget

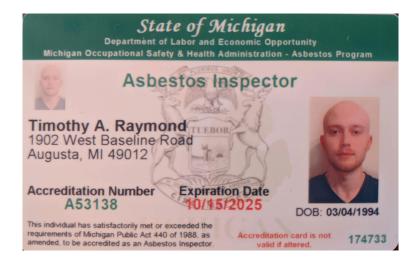
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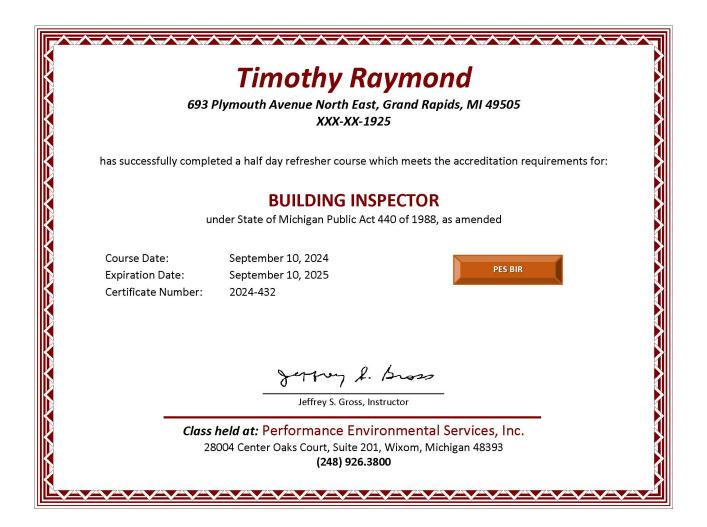
Sample No.	Sample Description	Sampled By	Date Sampled	Type of Sample	Air Volume	Analysis Requested	MTC No.
NO.				D.II.	NIA	PLM	NA
16303	HVAC Duct Insulation	СК	2-13-13	Bulk	NA	FLIVI	

Relinguished by:	Date:	Time:	Received by:
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INSPECTOR CREDENTIALS





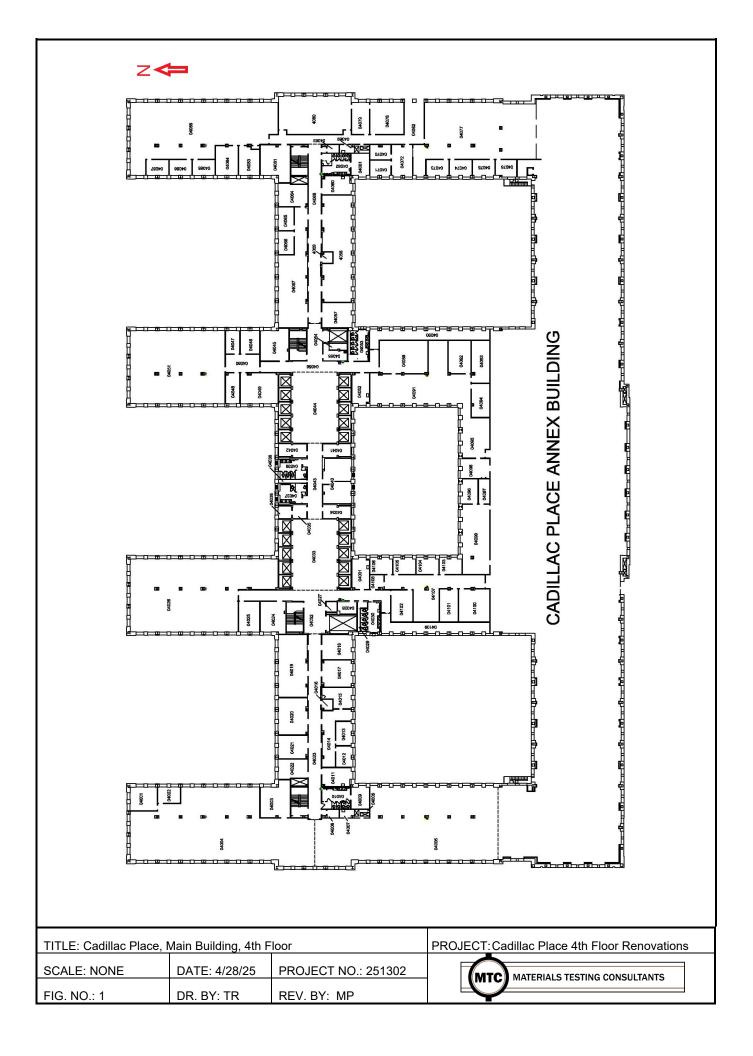


APPENDIX B

- FUNCTION AREA MAP
- HOMOGENEOUS MATERIALS REPORT
- HAZARDOUS WASTE MATERIALS BUILDING SURVEY SUMMARY
- PAINT CHIP LEAD, CADMIUM, CHROMIUM REPORT



FUNCTION AREA MAP(S)





HOMOGENEOUS MATERIALS REPORT



Job No.: 251302 Facility: Cadillac Place 4th Floor Renovation Asb Survey Building: Cadillac Place - Main Building Date: 30-Apr-25

Homogeneous Material Report

Homogeneous Material (HM) Name	Homogeneous Material Number	Hazardous Waste Presense	Presence	Classifi- cation	Hazardous Content	Hazardous Waste Concentration	Quantity	
Door Closer	1	А	Hazardous Waste	н	PCB	NS	2 Each	
Tube Lights	2	К	Universal Waste	U	Heavy Metals	NS	99 Each	
Fire Extinguisher	4	к	Universal Waste	U	Aerosol	NS	1 Each	

Legend Hazardous Waste Concentration NS = Not Sampled Hazardous Waste Presence

K = known to contain hazardous waste component A = assumed to contain hazardous waste component Classification

H = Hazardous Waste U = Universal Waste Quantity

NQ = Not Quantified



HAZARDOUS WASTE MATERIALS BUILDING SURVEY SUMMARY



Job No.: 251302 Facility: Cadillac Place 4th Floor Renovation Asb Survey Building: Cadillac Place - Main Building Date: 30-Apr-25

Hazardous Waste Materials Building Survey Summary

Function Area No.	Inspection Date	HM No.	Homogeneous Material Name		Presence	Classification Unv(U) Haz(H)	Hazardous Content	Hazardous Waste Concentration		oprox. Jantity	Remarks
04100	4/29/2025	2	Tube Lights	К	Universal Waste	U	Heavy Metals	s NS	18	Each	
04101	4/29/2025	2	Tube Lights	к	Universal Waste	U	Heavy Metals	s NS	9	Each	
04102	4/29/2025	2	Tube Lights	К	Universal Waste	U	Heavy Metals	s NS	9	Each	
04103	4/29/2025	2	Tube Lights	К	Universal Waste	U	Heavy Metals	s NS	6	Each	
04104	4/29/2025	2	Tube Lights	к	Universal Waste	U	Heavy Metals	s NS	6	Each	
04105	4/29/2025	2	Tube Lights	к	Universal Waste	U	Heavy Metals	s NS	6	Each	
04106	4/29/2025	2	Tube Lights	к	Universal Waste	U	Heavy Metals	s NS	6	Each	
04107	4/29/2025	2	Tube Lights	к	Universal Waste	U	Heavy Metals	s NS	18	Each	
04108	4/29/2025	1	Door Closer	A	Hazardous Waste	н	PCB	NS	2	Each	
04108	4/29/2025	2	Tube Lights	к	Universal Waste	U	Heavy Metals	s NS	21	Each	
04108	4/29/2025	4	Fire Extinguisher	к	Universal Waste	U	Aerosol	NS	1	Each	



PAINT CHIP – LEAD CADNIUM, CHROMIUM REPORT



PROJECT NO .:	251302
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SHEET:	1 of 6

PROJECT	Cadillac Place 4 th Floor Renovation Asbestos NESHAP Survey
CLIENT	Straub Pettitt Yaste Architects

PAINT CHIP TESTING REPORT						
LOCATION(S):	Cadillac Place, Main Building, 4th Floor Renovation Area					
SAMPLING DATE(S):	4/21/25					
CODE OR STANDARD:	MIOSHA Part 309-Cadmium, Part 603-Lead, Part 604-Chromium Exposure in Construction					
MTC PROCEDURE:	Following ASTM E1729-05					
EQUIPMENT:	Heat Gun, Metal Scraper, Tape, Paper, Collection Bag					

Results Assessments:

The enclosed lab report for the two (2) paint sample(s) collected from the project site shows concentrations of lead, cadmium and chromium. Concentrations below the laboratory detection limit is indicated by the "<" symbol preceding the concentration on the attached lab reports. Due to limitations of the analytical method, the laboratory could not determine the concentration below the laboratory detection value. Detection limits are part of analytical procedures for any method. Concentrations above the detection limit are reported as determined. Sample locations are provided on the lab report.

Remediation or abatement of painted surfaces is not a requirement under the Construction Standard, nor under any standard. The concentration of lead, cadmium or chromium does not trigger a requirement to remove painted surfaces prior to construction. According to OSHA, regarding the Lead in Construction, 29 CFR 1926.62 standard and in interpretation letters dated March 1, 1999 and September 10, 2008, employers must comply with assessment measures and any applicable protections of that standard for all tasks governed by the standard involving paints having **any** level of lead. OSHA further indicates that exposures above the PEL can occur when disturbing paint at "extremely low concentrations". It is expected that this level of interpretation applies to cadmium and chromium levels for their respective standards.

Recommendations:

To comply with the OSHA and MIOSHA Construction Safety and Health standards governing worker exposure to lead, MTC recommends that each employer impacting painted surfaces review the regulatory standards to determine if work tasks are likely to cause worker exposure above the PEL either by using objective data or prior exposure assessments. Where no objective data or assessment data is available, conduct an exposure assessment in accordance with the standards. MTC is available to assist in meeting these requirements.

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Cadillac Place 4th Floor Renovation Asbestos NESHAP Survey Straub Pettitt Yaste Architects

PAINT CHIP TESTING REPORT

on Asbestos

Analytical Results

Analyte	Results	RL	Weight(g)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: Matrix: Chips	101/White Paint on p	plaster ceilings					Date Sam LIMS Reference II		
Cadmium	<0.0025 % wt	0.0025 % wt	0.256	04/25/25 CG	SW-846 3050B	04/25/25 CG	SW 846-7000B	С	1
Chromium	<0.013 % wt	0.013 % wt	0.256	04/25/25 CG	SVV-846 3050B	04/25/25 CG	SW 846-7000B		1
Lead	0.085 % wt	0.0064 % wt	0.256	04/25/25 CG	SW-846 3050B	04/25/25 CG	SW 846-7000B		1
Sample Co	mments:								
Client Sample ID: Matrix: Chips	102/White Paint on o	drywall walls					Date Sam LIMS Reference II		
Cadmium	<0.0044 % wt	0.0044 % wt	0.1427	04/25/25 CG	SVV-846 3050B	04/25/25 CG	SW 846-7000B	С	1
Chromium	<0.023 % vvt	0.023 % wt	0.1427	04/25/25 CG	SVV-846 3050B	04/25/25 CG	SW 846-7000B		1
Lead	<0.011 % wt	0.011 % wt	0.1427	04/25/25 CG	SW-846 3050B	04/25/25 CG	SW 846-7000B		1
Sample Co	mments:								

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Cadillac Place 4th Floor Renovation Asbestos NESHAP Survey Straub Pettitt Yaste Architects

PAINT CHIP TESTING REPORT

EMSL Analytical, Inc. 6340 Castleplace Drive, Indianapolis, IN, 46250 Telephone: 317.603.2997 Fax:317.603.3047 www.emsl.com

Attention: Matt Plummer

EMSL Order ID: 162554651

LIMS Reference ID: CD54651 EMSL Customer ID: MATE53

Cadillac Place 4th floor Renovation Asbestos

Materials Testing Consultants [MATE53] 693 Plymouth N.E. Grand Rapids, MI 49505 (616) 456-5469 mplummer@mtc-test.com Customer PO: EMSL Sales Rep: Received: Reported:

Project Name:

Jeromy Bish

04/23/2025 09:56 04/28/2025 09:05

Certified Analyses included in this Report

Analyte Certifications SW 846-7000B in Chips Idead Lead 16-0HDCH, 16-AIHAELLAP

List of Certifications

Code	Description	Number	Expires
l6-MO	Missouri Drinking Water	10180	03/31/2026
16-NYDOH	New York Potable Water, Metals Solid and Hazardous Waste - Asbestos	12130	04/01/2026
l6-AIHA ELLAP	EMSL Analytical, Inc. Indianapolis, IN AIHA-LAP, LLC ELLAP Accredited	157245	06/01/2025
16-AIHA IHLAP	EMSL Analytical, Inc. Indianapolis, IN AIHA-LAP, LLC IHLAP Accredited	157245	06/01/2025
16-CAELAP	California Metals in DW, Chemistry and Bulk Asbestos in Hazardous Waste	2575	06/30/2025
16-A2LA Food	A2LA Food Microbiology	2845.11	01/31/2026
l6-A2LA Chemistry	A2LA Environmental and Chemistry	2845.25	11/30/2025
16-IN Metals/Asbestos	Indiana Lead and Metals and Asbestos in Drinking Water	C-49-09	12/31/2026
16-OHDOH	Ohio - Lead in Paint Chips, Wipes, Soil and Air	E10040	05/03/2026
16-FLDOH	Florida Asbestos and Metals in Drinking Water, PCBs	E871170	06/30/2025
16-NIDEP	New Jersey Metals, Organics and Inorganics in DW PCBs	IN002	06/30/2025
16-IN Colilert/HPC	Indiana Colilert and HPC	M-49-06	12/31/2026

parameters for which EMSL is certified.

Notes and Definitions

Item	Definition
с	The QC sample duplicate RPD result for Cadmium was outside of the method control limits.
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DA	Direct Analysis
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RCS	Respirable Crystalline Silica
RL	Reporting Limit
Wet	Sample is not dry weight corrected.
	nt of uncertainty and any applicable definitions of method modifications are available upon request. Per EPANLLAP policy, ults are not blank corrected.

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REPORT BY: __T. Raymond



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4/28/2025
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Cadillac Place 4th Floor Renovation Asbestos NESHAP Survey Straub Pettitt Yaste Architects

PAINT CHIP TESTING REPORT



EMSL Analytical, Inc.

6340 Castleplace Drive, Indianapolis, IN, 46250 Telephone: 317.803.2997 Fax:317.803.3047 www.emsl.com

Attention: Matt Plummer Materials Testing Consultants [MATE53] 693 Plymouth N.E. Grand Rapids, MI 49505 (616) 456-5469 mplummer@mtc-test.com

Project Name: Customer PO:

Cadillac Place 4th floor Renovation Asbestos

EMSL Order ID: 162554651

LIMS Reference ID: CD54651

EMSL Customer ID: MATE53

EMSL Sales Rep: Received: Reported:

Jeromy Bish 04/23/2025 09:56 04/28/2025 09:05

Aleksandrea Kuchenbrod

Aleks Kuchenbrod Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above and may notibe reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report relates the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. QC sample results are writtin quality control criteria and net method specifications unless otherwise noted. All results for soil samples are reported on a dy weight basis, junkes otherwise noted. port reflects

Analysis following EMSL SDP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 0.0064% by wt., based upon a minimum sample weight of 0.259 submitted to the Isla, and is not responsible for any result or reporting limit provided in mg/cm2 since it is dependent upon an area value provided by non-lab personnal. A "c" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modificators are available upon request. Results in this report are not blank corrected urless specified.

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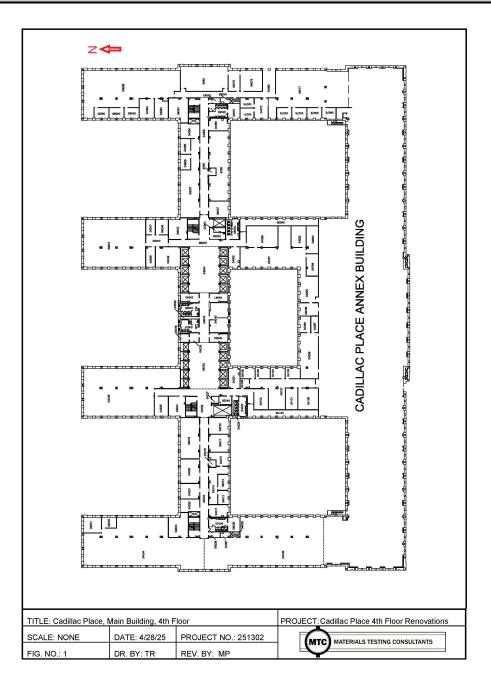
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		мтс	PR	OJECT NAME: Gotillac P CLIENT: Shawb Pet	ace 4th Plom Renardso fift Yaste Architects	NESHAP Survey
	mtc-test.com	800.968.8378	102	FULLE		
				עיטרע ע א		
	Report to:	Matthew Plummer Chris Kestner Tim Raymond other:	Email to	Chris Kestner Ckes	ummer@mtc-test.com ther@mtc-test.com nond@mtc-test.com	
	Analysis Requested:	Asbestos: PLM EPA 600 Paint: FAA, Lead Paint: FAA, Lead, Cadnium, I	Chromium Turnaround Time	1 week	QA Check by: Matthew Plummer Chris Kestner	
	Sampled by: Remarks:	 	More (Sample Date	3 4/21/25	IT Tom Raymon	, ,
	Relinquished b		Date/Time	e: 4/1282/25 Posit	ive Stop: Yes / No	
	Tracking Numl	ber:	ANAX Date/Time		f samples submitted $\underline{2}$ f pages attached	=
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REPORT BY:	T. Raymond					



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Cadillac Place 4th Floor Renovation Asbestos NESHAP Survey Straub Pettitt Yaste Architects

PAINT CHIP TESTING REPORT



REPORT BY: _T. Raymond