



ENGINEERING



LABORATORY



PRE-RENO

DESIGNATED SUBSTANCE SURVEY

HVAC Systems Revisions &

Hot Tank Replacement

Disco Yard, Building A

150 Disco Road, Toronto, ON



Prepared for:

City of Toronto

Corporate Real Estate Management

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Project No. FE 24-14192

September 6, 2024

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EXECUTIVE SUMMARY

Fisher Engineering Limited ('Fisher') was retained by the City of Toronto, Corporate Real Estate Management, to carry out a pre-renovation Designated Substances Survey (DSS) for the HVAC Systems Revisions & Hot Tank Replacement project at Disco Yard, Building A, located at 150 Disco Road, Toronto, Ontario (hereinafter referred to as the "Site").

The scope of the DSS consisted of a review of existing environmental reports (where available); visual inspection for the presence of Designated Substances within the scope of the work areas; collection and analysis of the materials suspected to contain hazardous building materials, particularly asbestos and lead; and to provide recommendations for the safe handling or abatement of these materials prior to any renovation work. The location names and numbers are referenced from the most recent annual designated substance report of the Site (under separate cover). The fieldwork was conducted by Mrs. Renata Stec, on September 4, 2024.

A summary of the designated substances identified during the survey is presented below:

Asbestos

Sampling was conducted of building materials suspected to contain asbestos and expected to be impacted by planned construction activities. A total of eighteen (18) bulk samples were collected and submitted to Fisher Environmental Laboratories for Polarized Light Microscopy (PLM) analysis, as outlined in NIOSH Method 9002

- ☐ Asbestos was not found in any of the samples collected for analysis as part of this survey.
- ☐ The planned renovation activities do not require any prior asbestos abatement procedures.

Lead

One (1) bulk sample was collected and submitted to Fisher Environmental Laboratories for inductively coupled plasma (ICP) analysis, as outlined in NIOSH method 7300.

- ☐ Elevated concentrations of lead-containing paints were not found in the collected sample.

Mercury

- ☐ Mercury is present as a vapour in fluorescent light bulbs.
- ☐ No immediate recommendations are warranted with regard to mercury.
- ☐ If work activities affect the fluorescent light bulbs, Fisher recommends that the presumed mercury-containing fluorescent light tubes and thermostats be removed and disposed of in accordance with O. Reg. 558/00.

Silica

- ☐ Crystalline silica is a constituent of all concrete and masonry products at the Site.
- ☐ Renovation works that are likely to generate silica-containing dust shall be carried out in accordance with the following regulations and guidelines:
 - Guideline: Silica on Construction Projects (issued by Ontario Ministry of Labour);
 - Designated Substances Regulation, O. Reg. 490/09; and
 - Regulation for Construction Projects, O. Reg. 213/91.

Other Designated Substances

- ☐ The other designated substances (acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, and vinyl chloride) would not be expected to be present at the Site and were not observed during the current survey.
- ☐ No recommendations are warranted with regard to these other designated substances.

1.0. INTRODUCTION

Fisher Engineering Limited ('Fisher') was retained by the City of Toronto, Corporate Real Estate Management, to carry out a pre-renovation Designated Substances Survey (DSS) for the HVAC Systems Revisions & Hot Tank Replacement project at Disco Yard, Building A, located at 150 Disco Road, Toronto, Ontario (hereinafter referred to as the "Site").

The scope of the DSS consisted of a review of existing environmental reports (where available); visual inspection for the presence of Designated Substances within the scope of the work areas; collection and analysis of the materials suspected to contain hazardous building materials, particularly asbestos and lead; and to provide recommendations for the safe handling or abatement of these materials prior to any renovation work.

The assessment scope did not include the entire building. Rather, the assessment was limited to areas where renovation activities are proposed as demonstrated to Fisher on provided drawings on August 30, 2024. The location names and numbers are referenced from the most recent annual designated substance report of the Site (under separate cover). The fieldwork was conducted by Mrs. Renata Stec, on September 4, 2024.

DSS reports are required prior to any construction, demolition or restoration project that can take place in Ontario. As per Section 30 of the Ontario Occupational Health and Safety Act (OHSA), designated substances and other potentially hazardous building materials must be identified prior to any work being done that may disturb these materials and result in unnecessary exposure of workers and building occupants. The designated substances include:

Asbestos	Coke Oven Emissions	Mercury
Acrylonitrile	Ethylene Oxide	Silica
Arsenic	Isocyanates	Vinyl Chloride
Benzene	Lead	

2.0. METHODOLOGY

Fisher followed the protocols outlined in Ontario OHSA for collecting and analyzing bulk samples of materials suspected to contain asbestos or lead. Visual assessment of the material was the primary method of identification with occasional physical contact to collect bulk samples or examine for underlying layers.

Representative bulk samples were collected of materials suspected of containing asbestos or lead. The tools used by the investigator to collect the bulk samples were cleaned after each

sample was collected to avoid cross-contamination. Samples were placed in plastic sealable containers, marked with a unique sample number and transported to an independent accredited laboratory for analysis.

Where applicable, samples of suspect materials were collected to establish asbestos or lead content. Samples were grouped according to the similarity of appearance (“homogeneous” materials). The frequency at which the samples were collected was sufficient to obtain a general representation of the presence of these materials at the Site. Samples collected are presumed to be representative of the respective building materials in place at the Site. However, due to potential past renovations, alterations, repairs, or phases of construction, individual materials may not be representative of the samples collected.

The laboratory certificate of analysis is included in Appendix A. Site plans to indicate the project scope of work areas and bulk sample locations are included in Appendix B. Representative photos of Site conditions encountered at the time of the current survey are included in Appendix C. A room-by-room survey sheet for the project scope of work areas is included in Appendix D.

3.0. DOCUMENT AND REPORT REVIEW

As part of this survey, the following reports were reviewed:

- ❑ Drawing Package for HVAC Systems Revisions & Hot Tank Replacement Project, prepared by Tanco Engineering Limited, (Project No. 2341, dated November 2023), provided to Fisher on August 30, 2024;
- ❑ Annual Designated Substances and Hazardous Materials Survey, 150 Disco Road, completed by Fisher Engineering Limited, dated December 15, 2023, Project No. FE 23-12800.

The findings from the previous report are discussed in Section 4.0 of this report.

4.0. FINDINGS

Asbestos-Containing Materials

Sampling was conducted of building materials suspected to contain asbestos and expected to be impacted by planned construction activities. A total of eighteen (18) bulk samples were collected and submitted to Fisher Environmental Laboratories for Polarized Light Microscopy (PLM) analysis, as outlined in NIOSH Method 9002. The results of the PLM analysis are summarized in Table 1, below.

Table 1 - Summary of Bulk Asbestos Sample Analysis (Polarized Light Microscopy)

Sample No.	Sample Location	Sample Description	Asbestos Content (% by Weight/Type)
24-3477-1 to 3	Wall, Boiler Room B-02	Red Firestop	None Detected
24-3477-4	Bulkhead, Office 1-05	Drywall Joint Compound	None Detected
24-3477-5, 6	Bulkhead, Boardroom 2-12	Drywall Joint Compound	None Detected
24-3477-7 to 9	Brick Wall, Exterior Wall	Mortar	None Detected
24-3477-10 to 12	Exterior Wall, around Louvre	Light Grey Caulking	None Detected
24-3477-13 to 15	Behind Baseboard, Boardroom 2-12	Yellow Mastic	None Detected
24-3477-16 to 18	Wall, Boardroom 2-12	Drywall Joint Compound	None Detected

Ontario Regulation 278/05 - Asbestos on Construction Projects and in Buildings and Repair Operations (O. Reg. 278/05) defines an “asbestos-containing” material with an asbestos content equal to or greater than 0.5% by weight.

Laboratory analysis revealed asbestos was not found in any of the collected samples.

In addition to the above findings and reviewing previous survey reports for the Site, the following observations were noted.

- ☐ Fibreglass insulation was observed on the pipes in the Boiler Room; this material is non-asbestos-containing.
- ☐ PVC pipe fittings covers were observed in the Boiler Room; this material does not contain asbestos.
- ☐ Ductworks in the ceiling space throughout the building were observed without any insulation.

Based on the findings of the current and previous survey(s) conducted within the scope of the work areas, asbestos was not identified in the following building materials:

- Ceiling, Wall & Bulkhead Drywall Joint Compound,
- Red Firestop,
- Parging cement inside chimney,
- Refractory brick inside chimney,

- White parging in the chimney,
- All types of Ceiling Tiles,
- Mortar on interior and exterior walls,
- Vinyl Floor Tiles,
- Yellow mastic under the carpet,
- Yellow mastic behind the baseboards,
- Light Grey Caulking around the Louvre,
- Tan Caulking around the doors,
- Black Caulking behind drywall,
- Sprayed Fireproofing above ceiling tiles.

The sampling of roofing materials was not part of the current scope of work. If roofing materials are likely to be disturbed by the planned renovation or demolition activities at the subject location, the materials should be assumed to contain asbestos until proven otherwise through bulk sampling and analysis.

Should additional suspected ACM not outlined in this report be discovered, it should be presumed as ACM until sample analysis determines asbestos content. Precautions should be taken when dismantling solid wall or ceiling finishes, or any other building surfaces which may conceal potential ACM. Such precautions include but are not limited to, isolation measures and appropriate personal protective equipment.

Lead-Containing Materials

One (1) bulk sample was collected and submitted to Fisher Environmental Laboratories for inductively coupled plasma (ICP) analysis, as outlined in NIOSH method 7300. The results of the sample analysis are summarized in Table 2, below.

Table 2 - Summary of Lead Paint Sample Analysis

Sample No.	Sample Location	Sample Description	Lead Content (ppm and % by Weight)
24-3477-19	Wall, Elevator Lobby 1-04	Grey Paint	<10 ppm (<0.001%)

The Ontario Ministry of Labour (MOL) has not prescribed criteria defining “lead-containing” materials. Further, the MOL has not established a lower limit for concentrations of lead in paint, below which precautions do not need to be considered during construction projects. However, except for aggressive disturbance of painted finishes, (e.g., abrasive blasting, torch cutting, or

grinding), Fisher believes that a lead content below 0.1% by weight (1,000 ug/g or 1000 ppm) represents a concentration in which lead content is not the limiting hazard for construction hygiene purposes.

The lead concentration of the grey paint observed on all walls on the 1st and 2nd floors was determined to be below the limit of detection for the analytic method used. Therefore, the planned renovation activities do not require prior lead abatement procedures.

Where any lead-containing materials may be disturbed or removed, Fisher recommends that appropriate lead abatement procedures be used. The lead abatement procedures to be used are determined by the method(s) of disturbance employed. Regular construction dust suppression techniques and worker hygiene practices are sufficient for disturbance of paint finishes determined to contain less than 0.1% lead by weight, provided that work is limited to non-aggressive operations. Refer to MOL Guideline: Lead on Construction Projects, 2011, for details of the Ministry's health and safety guidelines regarding lead

Other Designated Substances

During the current survey, no sampling for mercury was conducted. However, fluorescent light tubes (known to contain mercury) were observed at the Site. No other building materials or components suspected to contain mercury were noted during the building survey.

Crystalline silica is a constituent of all concrete and masonry products present at the Site. While the cutting, grinding, or demolition of materials containing silica is not anticipated at the Site, these activities should be completed in accordance with Ontario MOL Guidelines for Silica on Construction projects. Specifically, the Guideline prescribes respiratory protection, site isolation, and the use of wetting to control dust emissions during the cutting, grinding, drilling, or demolition of silica-containing materials. Please refer to the Guideline for details concerning Silica on Construction Projects.

No other designated substances or other potentially hazardous building materials were identified in the proposed project scope areas. If additional suspected designated substances or other potentially hazardous building materials not identified in this report pertaining to the Site are discovered, work should be stopped and the material(s) in question should be sampled for determination of content.

5.0. RECOMMENDATIONS

Based on the observations and findings outlined above, Fisher's recommendations are as follows:

Asbestos:

- ☐ Asbestos was not found in any of the samples collected and analyzed.
- ☐ The planned renovation activities do not require asbestos abatement procedures.

Lead:

- ☐ No immediate recommendations for lead removal are warranted at this time.

Mercury:

- ☐ No immediate recommendations are warranted with regard to mercury.
- ☐ However, if the disturbance of the identified fluorescent light tubes presumed to contain mercury is planned as part of the anticipated construction activities, Fisher recommends that these items be removed and disposed of in accordance with O. Reg. 558/00.

Silica:

- ☐ Renovations and/or demolition operations that are likely to generate silica-containing dust shall be carried out in accordance with the following requirements:
 - Guideline: Silica on Construction Projects (issued by Ontario MOL);
 - Designated Substances Regulation, O. Reg. 490/09; and
 - Regulation for Construction Projects, O. Reg. 213/91.

6.0. LIMITATIONS

Fisher Engineering Limited accepts responsibility for the competent performance of its duties in executing this assignment within the normal standards of the profession, but disclaims responsibility for consequential damages, if any.

The scope of the survey is based on prior agreement with the client, and the rationale given in this report. The building survey findings rely on the professional interpretation of selective sampling and analysis. Sample analysis results have been applied to homogenous materials in unsampled locations; it was not within the scope of work to carry out an exhaustive sampling and analysis program.

This report was prepared for the City of Toronto, Corporate Real Estate Management. The scope of services performed may not be appropriate for the purposes of other users, and any use or reuse of this document or its findings or recommendations represented herein is at the sole risk of any other user.

We trust that the information provided in the report meets your current requirements. If you have any questions or concerns, please do not hesitate to contact the undersigned.

Prepared by:



Renata Stec, M.Sc.
Project Manager

Reviewed by:



David A. Fisher, B.A.Sc., C.Chem., P.Eng.
Principal

Attachments:

- Attachment A - Laboratory Certificate of Analysis
- Attachment B – Site Plans
- Attachment C – Site Photographs
- Attachment D - Room-by-Room Survey Sheet

APPENDIX A – LABORATORY CERTIFICATE OF ANALYSIS



FISHER ENVIRONMENTAL LABORATORIES

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Facilities Management
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55 John Street, Toronto, ON
M5V 3C6
Tel.:
Attn: Sara Reid

F.E. Job #: 24-3477
Project Name: DSS
Project ID: FM 24-14192
Date Sampled: 4-Sep-2024
Date Received: 4-Sep-2024
Date Reported: 5-Sep-2024
Location: 150 Disco Road
Toronto, ON

Certificate of Analysis

Analysis Requested:	Asbestos, Lead
Sample Description:	19 Bulk Sample(s) (<i>Rush</i>)

Client Sample ID	Lab Sample ID	Sample Matrix	Fibre Type	Asbestos Content
1A - Red Firestop, Boiler Room B-02	24-3477-1	Caulking		Not Detected
1B - Red Firestop, Boiler Room B-02	24-3477-2	Caulking		Not Detected
1C - Red Firestop, Boiler Room B-02	24-3477-3	Caulking		Not Detected
2A - DJC Bulkhead, Office 1-05	24-3477-4	DWC		Not Detected
2B - DJC Bulkhead, Boardroom 2-12	24-3477-5	DWC		Not Detected
2C - DJC Bulkhead, Boardroom 2-12	24-3477-6	DWC		Not Detected
3A - Mortar on Block Wall, Exterior	24-3477-7	Brick		Not Detected
3B - Mortar on Block Wall, Exterior	24-3477-8	Brick		Not Detected
3C - Mortar on Block Wall, Exterior	24-3477-9	Brick		Not Detected

Certificate of Analysis

Analysis Requested:	Asbestos, Lead
Sample Description:	19 Bulk Sample(s) (Rush)

Client Sample ID	Lab Sample ID	Sample Matrix	Fibre Type	Asbestos Content
4A - Light Grey Caulking around Louvre, Exterior	24-3477-10	Caulking		Not Detected
4B - Light Grey Caulking around Louvre, Exterior	24-3477-11	Caulking		Not Detected
4C - Light Grey Caulking around Louvre, Exterior	24-3477-12	Caulking		Not Detected
5A - Yellow Mastic behind Baseboard, Boardroom 2-12	24-3477-13	Mastic		Not Detected
5B - Yellow Mastic behind Baseboard, Boardroom 2-12	24-3477-14	Mastic		Not Detected
5C - Yellow Mastic behind Baseboard, Boardroom 2-12	24-3477-15	Mastic		Not Detected
6A - DJC Wall, Boardroom 2-12	24-3477-16	DWC		Not Detected
6B - DJC Wall, Boardroom 2-12	24-3477-17	DWC		Not Detected
6C - DJC Wall, Boardroom 2-12	24-3477-18	DWC		Not Detected

Fisher Engineering Laboratories (Lab ID #: 2745) is accredited by CALA (Canadian Association for Laboratory Accreditation Inc.) for asbestos analysis by PLM.

ANALYTICAL METHOD:

Asbestos has been done in accordance with normal professional standard using the following Fisher Engineering Lab Method: Asbestos by PLM (Polarized Light Microscope) F-26, Rev.2.2.

Certificate of Analysis

Analysis Requested:	Asbestos, Lead			
Sample Description:	19 Bulk Sample(s) (Rush)			
Client Sample ID	Lab Sample ID	Sample Matrix	Lead (ppm)	Comments
Pb1 - Grey Wall Paint, Elevator Lobby 1-02	24-3477-19	Paint	<10	

< result obtained was below RL (Reporting Limit).

QA/QC Report

Parameter	Blank (ppm)		LCS (%)		CRM (%)	
	Result	RL	Recovery	AR	Recovery	AR
Lead	<10	10	103	80-120	86	70-130

Parameter	Duplicate (%)					
	RPD	AR				
Lead	6.2	0-30				

LEGEND:

RL - Reporting Limit

LCS - Laboratory Control Sample

MS - Matrix Spike


AR - Acceptable Range

RPD - Relative Percent Difference

ANALYTICAL METHODS:

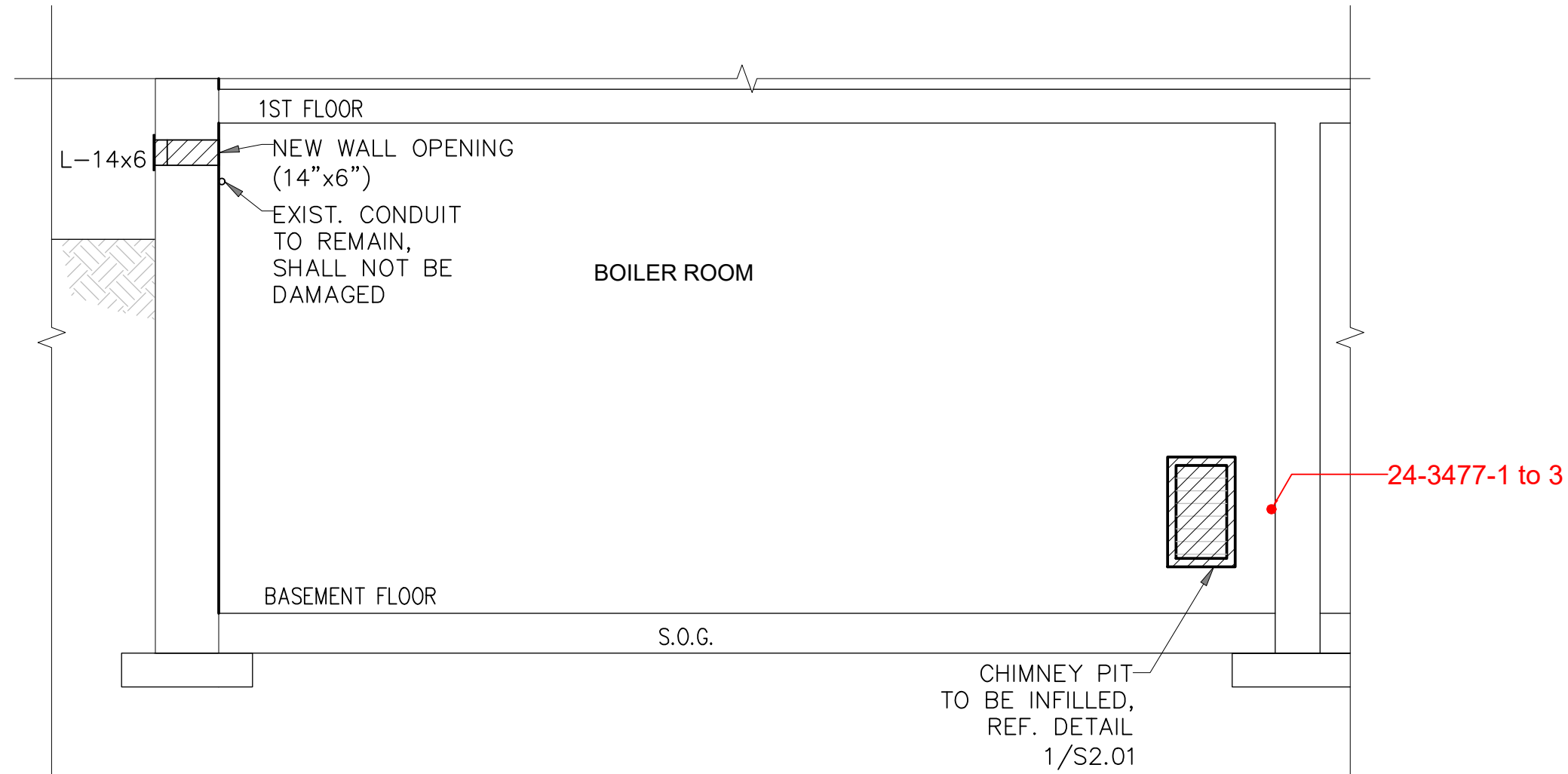
Metals (Lead) - Method # F-1, Rev. 4.5, Standard Operation Procedure for determination of Metals by the Inductively Coupled Plasma- Optical. Method used by Fisher Engineering Lab complies with the Standard Methods for the Examination of Water and Wastewater, 20th Ed 3120-B.

Authorized by: _____


 Roger Lin, Ph. D., C. Chem.
 Laboratory Manager



APPENDIX B – SITE PLANS



Legend

● Asbestos Sample Location

Figure 1

LOCATION:
150 Disco Road,
Toronto, Ontario

BUILDING NAME:

-

Asbestos Sample Locations -
Building A - Basement

CLIENT: City of Toronto

PROJECT NUMBER: FE 24-14192	DATE: September 2024	DRW BY: T.L.
------------------------------------	-----------------------------	---------------------

CAD FILE: FIG1	SCALE: Not to Scale	CHK BY: R.S.
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Legend

- Asbestos Sample Location
- ▲ Lead Sample Location

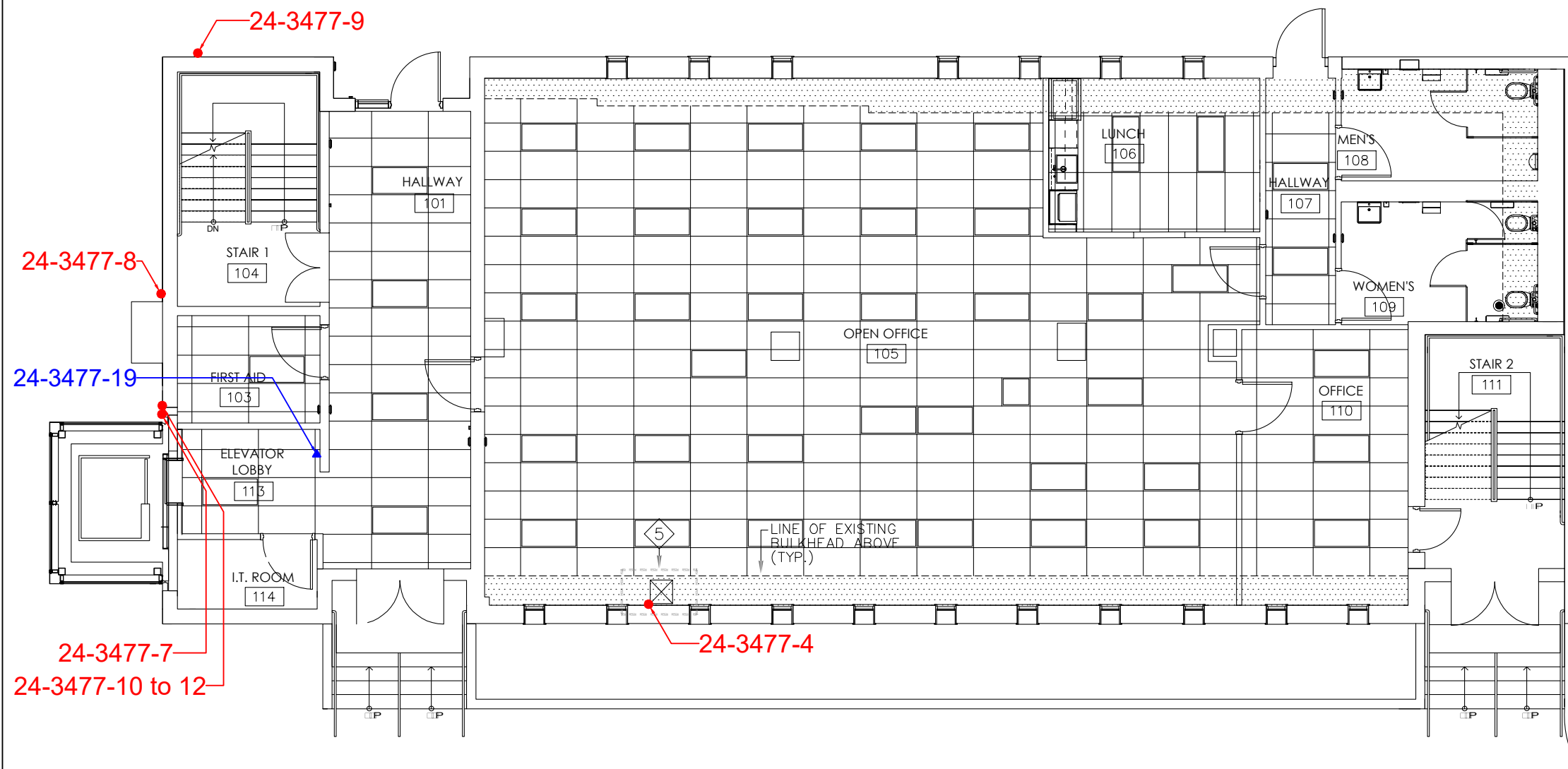


Figure 2

LOCATION:
150 Disco Road,
Toronto, Ontario

BUILDING NAME:
-

Asbestos and Lead Sample Locations -
Building A - Ground Floor Plan

CLIENT: City of Toronto		
PROJECT NUMBER: FE 24-14192	DATE: September 2024	DRW BY: T.L.
CAD FILE: FIG2	SCALE: Not to Scale	CHK BY: R.S.





Legend



Asbestos Sample Location

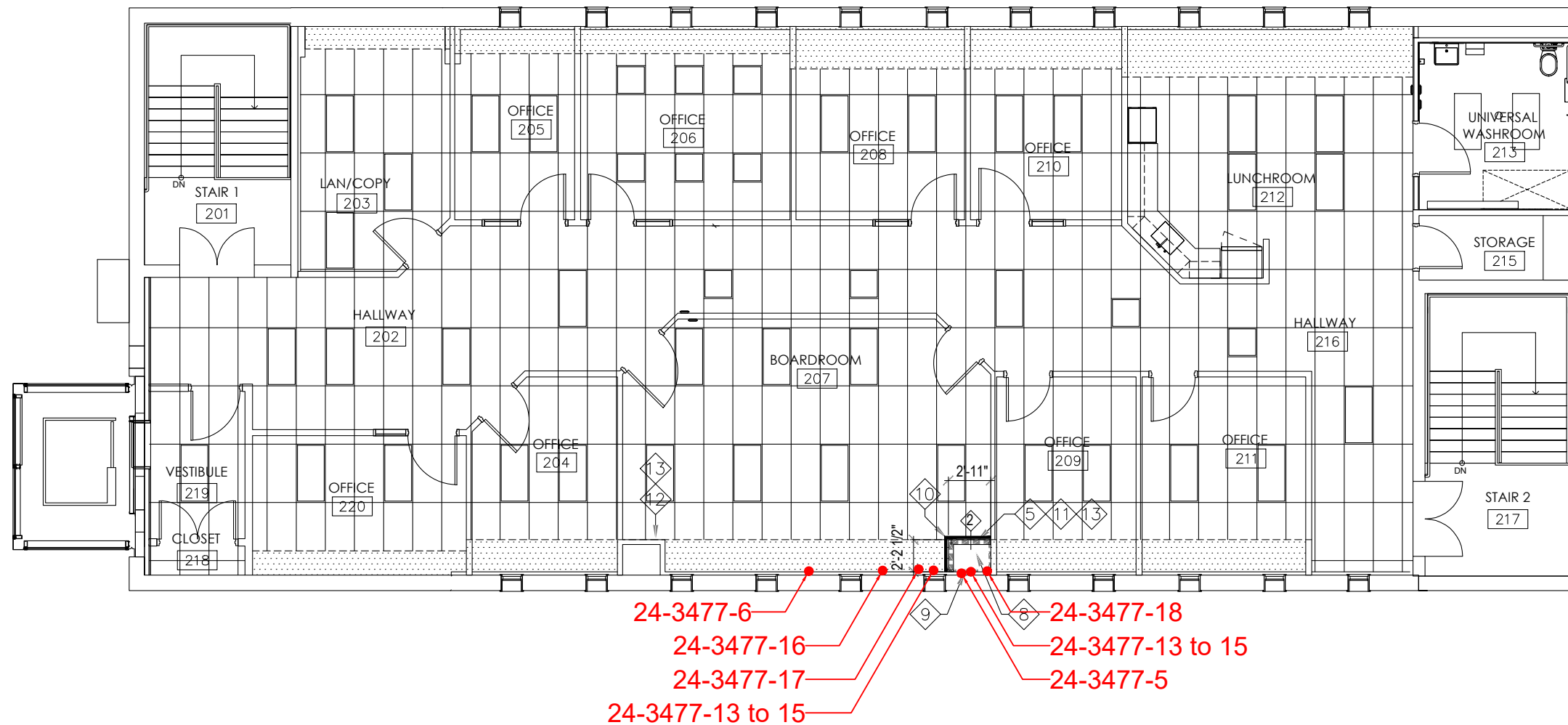


Figure 3

LOCATION:

150 Disco Road,
Toronto, Ontario

BUILDING NAME:

-

Asbestos Sample Locations -
Building A - Second Floor Plan

CLIENT: City of Toronto		
PROJECT NUMBER: FE 24-14192	DATE: September 2024	DRW BY: T.L.
CAD FILE: FIG3	SCALE: Not to Scale	CHK BY: R.S.



APPENDIX C – SITE PHOTOGRAPHS



Photos 1, 2 – General view of the Boiler Room.



Photos 3 to 8 – View of ductworks in the ceiling space.

APPENDIX D – ROOM-BY-ROOM SURVEY SHEET

APPENDIX D – ROOM-BY-ROOM SURVEY SHEET

Building Address: 150 Disco Road					Date(s) of Current Reassessment:			August 4, 2024	
Building Name: Disco Yard					Organization Completing Reassessment:			Fisher Engineering Limited / Project 24-14192	
Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Analytical Result	Quantity	Condition	Notes/Required Action
0-00	Exterior	Roof	Roofing Materials	Asbestos	Not Sampled	ACM Assumed	3500 SF	Good	
0-00	Exterior	Windows	Window Caulking	Asbestos	Not Sampled	ACM Assumed	All	Good	
0-00	Exterior	Pipe	Transite Pipe	Asbestos	Not Sampled	Visually Positive	10 LF	Good	
0-00	Exterior	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
0-00	Exterior	Walls	Mortar	Asbestos	24-3477-7 to 9*	None Detected	N/A	N/A	*From Fisher Project No. 24-14192, dated Sept. 2024
0-00	Exterior	Louvre	Caulking	Asbestos	24-3477-10 to 12*	None Detected	N/A	N/A	Light Grey, Around the Louvere *From Fisher Project No. 24-14192, dated Sept. 2024
B-02	Boiler Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-02	Boiler Room	Walls	Firestop - Red	Asbestos	24-3477-1 to 3*	None Detected	N/A	N/A	*From Fisher Project No. 24-14192, dated Sept. 2024
B-02	Boiler Room	Chimney	Parging Cement	Asbestos	23-1337-1 to 3*	None Detected	N/A	N/A	Chimey Wall Interior *From Fisher Project No. 23-13093, dated June 2023
B-02	Boiler Room	Chimney	Refractory Brick	Asbestos	23-1337-4 to 6*	None Detected	N/A	N/A	Chimey Wall Interior *From Fisher Project No. 23-13093, dated June 2023
B-02	Boiler Room	Chimney	White Parging	Asbestos	23-1337-7 to 9*	None Detected	N/A	N/A	Chimey Wall Interior *From Fisher Project No. 23-13093, dated June 2023
B-02	Boiler Room	Walls	Paint - White	Lead	22-7979-19*	12,560 ppm	All	Good	Multi-layer *From Fisher Project No. 22-11938, dated Feb. 2020 NOT OBSERVED
B-02	Boiler Room	Ceiling	Concrete	N/A	N/A	N/A	N/A	N/A	
1-02	Elevator Lobby	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
1-02	Elevator Lobby	Walls	Block	N/A	N/A	N/A	N/A	N/A	
1-02	Elevator Lobby	Walls	Paint - Grey	Lead	24-3477-19*	<10 ppm	N/A	N/A	*From Fisher Project No. 24-14192, dated Sept. 2024
1-02	Elevator Lobby	Windows	Window Caulking	Asbestos	20-4941-4*	None Detected	N/A	N/A	Grey Caulking, around window frame *From Fisher Project No. 20-10465, dated Aug. 2020
1-02	Elevator Lobby	Ceiling	Ceiling Tile 1	Asbestos	Homogeneous w/ 12-4831-1 to 3	None Detected	N/A	N/A	2' x 4' Large Pinhole
1-03	IT Room	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
1-03	IT Room	Walls	Block	N/A	N/A	N/A	N/A	N/A	
1-03	IT Room	Windows	Window Caulking	Asbestos	20-4941-5, 6*	None Detected	N/A	N/A	Grey Caulking, around window frame *From Fisher Project No. 20-10465, dated Aug. 2020
1-03	IT Room	Door	Caulking	Asbestos	20-4941-7*	None Detected	N/A	N/A	Tan Caulking, around the door frame *From Fisher Project No. 20-10465, dated Aug. 2020
1-03	IT Room	Ceiling	Ceiling Tile 1	Asbestos	Homogeneous w/ 12-4831-1 to 3	None Detected	N/A	N/A	2' x 4' Large Pinhole
1-04	West Corridor	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
1-04	West Corridor	Walls	Block	N/A	N/A	N/A	N/A	N/A	
1-04	West Corridor	Walls	Mortar	Asbestos	22-7979-1*	None Detected	N/A	N/A	*From Fisher Project No. 22-11938, dated Feb. 2020

APPENDIX D – ROOM-BY-ROOM SURVEY SHEET

<i>Location Number</i>	<i>Location Name</i>	<i>Building System</i>	<i>Material Observed</i>	<i>Potential Hazardous Material</i>	<i>Sample ID</i>	<i>Analytical Result</i>	<i>Quantity</i>	<i>Condition</i>	<i>Notes/Required Action</i>
1-04	West Corridor	Ceiling	Ceiling Tile 4	Asbestos	20-4941-18 to 20*	None Detected	N/A	N/A	2' x 4' Pinhole Short Fissures *From Fisher Project No. 20-10465, dated Aug. 2020
1-05	Office Area	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
1-05	Office Area	Walls	Drywall (DJC)	Asbestos	20-4941-13*	None Detected	N/A	N/A	*From Fisher Project No. 20-10465, dated Aug. 2020
1-05	Office Area	Bulkhead	Drywall (DJC)	Asbestos	24-3477-4*	None Detected	N/A	N/A	*From Fisher Project No. 24-14192, dated Sept. 2024
1-05	Office Area	Door	Caulking	Asbestos	20-4941-9*	None Detected	N/A	N/A	Tan Caulking, around the door frame *From Fisher Project No. 20-10465, dated Aug. 2020
1-05	Office Area	Ceiling	Ceiling Tile 4	Asbestos	Homogeneous w/ 20-4941-18 to 20	None Detected	N/A	N/A	2' x 4' Pinhole Short Fissure
1-06	East Corridor	Floor	Ceramic	N/A	N/A	N/A	N/A	N/A	
1-06	East Corridor	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
1-06	East Corridor	Ceiling	Ceiling Tile 4	Asbestos	Homogeneous w/ 20-4941-18 to 20	None Detected	N/A	N/A	2' x 4' Pinhole Short Fissure
1-07	Men's Washroom	Floor	Ceramic	N/A	N/A	N/A	N/A	N/A	
1-07	Men's Washroom	Floor	Vinyl Floor Tile 2	Asbestos	20-4941-11*	None Detected	N/A	N/A	12" x 12" Rose Mosaic *From Fisher Project No. 20-10465, dated Aug. 2020 NOT OBSERVED
1-07	Men's Washroom	Walls	Ceramic	N/A	N/A	N/A	N/A	N/A	
1-07	Men's Washroom	Walls	Drywall (DJC)	Asbestos	20-4941-15*	None Detected	N/A	N/A	*From Fisher Project No. 20-10465, dated Aug. 2020
1-07	Men's Washroom	Ceiling	Ceiling Tile 4	Asbestos	Homogeneous w/ 20-4941-18 to 20	None Detected	N/A	N/A	2' x 4' Pinhole Short Fissure
1-08	Women's Washroom	Floor	Ceramic	N/A	N/A	N/A	N/A	N/A	
1-08	Women's Washroom	Floor	Vinyl Floor Tile 2	Asbestos	20-4941-12*	None Detected	N/A	N/A	12" x 12" Rose Mosaic *From Fisher Project No. 20-10465, dated Aug. 2020 NOT OBSERVED
1-08	Women's Washroom	Walls	Ceramic	N/A	N/A	N/A	N/A	N/A	
1-08	Women's Washroom	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
1-08	Women's Washroom	Ceiling	Ceiling Tile 4	Asbestos	Homogeneous w/ 20-4941-18 to 20	None Detected	N/A	N/A	2' x 4' Pinhole Short Fissure
1-09	Lunch Room	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
1-09	Lunch Room	Walls	Drywall (DJC)	Asbestos	20-4941-14*	None Detected	N/A	N/A	*From Fisher Project No. 20-10465, dated Aug. 2020
1-09	Lunch Room	Ceiling	Ceiling Tile 4	Asbestos	Homogeneous w/ 20-4941-18 to 20	None Detected	N/A	N/A	2' x 4' Pinhole Short Fissure
1-10	Office	Floor	Vinyl Floor Tile 2	Asbestos	20-4941-10*	None Detected	N/A	N/A	12" x 12" Rose Mosaic *From Fisher Project No. 20-10465, dated Aug. 2020
1-10	Office	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
1-10	Office	Ceiling	Ceiling Tile 1	Asbestos	Homogeneous w/ 12-4831-1 to 3	None Detected	N/A	N/A	2' x 4' Large Pinhole
1-10	Office	Ceiling	Ceiling Tile 4	Asbestos	Homogeneous w/ 20-4941-18 to 20	None Detected	N/A	N/A	2' x 4' Pinhole Short Fissure

APPENDIX D – ROOM-BY-ROOM SURVEY SHEET

<i>Location Number</i>	<i>Location Name</i>	<i>Building System</i>	<i>Material Observed</i>	<i>Potential Hazardous Material</i>	<i>Sample ID</i>	<i>Analytical Result</i>	<i>Quantity</i>	<i>Condition</i>	<i>Notes/Required Action</i>
1-11	Storage	Floor	Vinyl Floor Tile 2	Asbestos	Homogeneous w/ 20-4941-10 to 12	None Detected	N/A	N/A	12" x 12" Rose Mosaic
1-11	Storage	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
1-11	Storage	Ceiling	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-02	Photocopy Room	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
2-02	Photocopy Room	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-02	Photocopy Room	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-03	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-03	Office	Floor	Mastic	Asbestos	22-7979-14*	None Detected	N/A	N/A	Yellow, under the carpet *From Fisher Project No. 22-11938, dated Feb. 2020
2-03	Office	Door	Putty - Black	Asbestos	22-7979-10*	None Detected	N/A	N/A	Between door frame and glass *From Fisher Project No. 22-11938, dated Feb. 2020
2-03	Office	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-03	Office	Walls	Block	N/A	N/A	N/A	N/A	N/A	
2-03	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-04	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-04	Office	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-04	Office	Door	Putty - Black	Asbestos	22-7979-11*	None Detected	N/A	N/A	Between door frame and glass *From Fisher Project No. 22-11938, dated Feb. 2020
2-04	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-05	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-05	Office	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-05	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-06	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-06	Office	Floor	Mastic	Asbestos	22-7979-15*	None Detected	N/A	N/A	Yellow, under the carpet *From Fisher Project No. 22-11938, dated Feb. 2020
2-06	Office	Walls	Drywall (DJC)	Asbestos	19-2913-1*	None Detected	N/A	N/A	*From Fisher Project No. 19-9624, dated July 2019
2-06	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-07	Lunch Room	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
2-07	Lunch Room	Walls	Drywall (DJC)	Asbestos	19-2913-2* 20-4941-17*	None Detected	N/A	N/A	*From Fisher Project No. 19-9624, dated July 2019 *From Fisher Project No. 20-10465, dated Aug. 2020
2-07	Lunch Room	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay

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<i>Location Number</i>	<i>Location Name</i>	<i>Building System</i>	<i>Material Observed</i>	<i>Potential Hazardous Material</i>	<i>Sample ID</i>	<i>Analytical Result</i>	<i>Quantity</i>	<i>Condition</i>	<i>Notes/Required Action</i>
2-09	Electrical Closet	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
2-09	Electrical Closet	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-09	Electrical Closet	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-10	Elevator Lobby	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	
2-10	Elevator Lobby	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-10	Elevator Lobby	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-11	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-11	Office	Walls	Drywall (DJC)	Asbestos	22-7979-7*	None Detected	N/A	N/A	*From Fisher Project No. 22-11938, dated Feb. 2020
2-11	Office	Walls	Mortar	Asbestos	22-7979-2*	None Detected	N/A	N/A	*From Fisher Project No. 22-11938, dated Feb. 2020
2-11	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-12	Boardroom	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-12	Boardroom	Floor	Mastic	Asbestos	22-7979-13*	None Detected	N/A	N/A	Yellow, under the carpet *From Fisher Project No. 22-11938, dated Feb. 2020
2-12	Boardroom	Floor	Mastic	Asbestos	24-3477-13 to 15*	None Detected	N/A	N/A	Yellow, behind the baseboards *From Fisher Project No. 24-14192, dated Sept. 2024
2-12	Boardroom	Walls	Drywall (DJC)	Asbestos	22-7979-8* 24-3477-16 to 18*	None Detected	N/A	N/A	*From Fisher Project No. 22-11938, dated Feb. 2020 *From Fisher Project No. 24-14192, dated Sept. 2024
2-12	Boardroom	Walls	Mortar	Asbestos	22-7979-3*	None Detected	N/A	N/A	On the block wall behind drywall wall *From Fisher Project No. 22-11938, dated Feb. 2020
2-12	Boardroom	Bulkhead	Drywall (DJC)	Asbestos	24-3477-5, 6*	None Detected	N/A	N/A	*From Fisher Project No. 24-14192, dated Sept. 2024
2-12	Boardroom	Door	Caulking	Asbestos	20-4941-8*	None Detected	N/A	N/A	Tan Caulking, around the door frame *From Fisher Project No. 20-10465, dated Aug. 2020
2-12	Boardroom	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-13	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-13	Office	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-13	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-14	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-14	Office	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-14	Office	Door	Putty - Black	Asbestos	22-7979-12*	None Detected	N/A	N/A	Between door frame and glass *From Fisher Project No. 22-11938, dated Feb. 2020
2-14	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay
2-17	Corridor	Floor	Terrazzo	N/A	N/A	N/A	N/A	N/A	

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Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Analytical Result	Quantity	Condition	Notes/Required Action
2-17	Corridor	Walls	Drywall (DJC)	Asbestos	22-7979-9*	None Detected	N/A	N/A	*From Fisher Project No. 22-11938, dated Feb. 2020
2-17	Corridor	Walls	Caulking	Asbestos	22-7979-16 to 18*	None Detected	N/A	N/A	Black, behind the drywall wall, above the radiators. *From Fisher Project No. 22-11938, dated Feb. 2020
2-17	Corridor	Ceiling	Sprayed Fireproofing	Asbestos	22-7979-4 to 6*	None Detected	N/A	N/A	Next to the stairwell 1, above ceiling tiles *From Fisher Project No. 22-11938, dated Feb. 2020
2-17	Corridor	Ceiling	Ceiling Tile 5	Asbestos	20-4941-21 to 23*	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay *From Fisher Project No. 20-10465, dated Aug. 2020
2-18	Office	Floor	Carpet	N/A	N/A	N/A	N/A	N/A	
2-18	Office	Walls	Drywall (DJC)	Asbestos	Homogeneous w/ 19-2913-1 to 3 & 20-4941-13 to 17	None Detected	N/A	N/A	
2-18	Office	Ceiling	Ceiling Tile 5	Asbestos	Homogeneous w/ 20-4941-21 to 23	None Detected	N/A	N/A	2' x 4' Pinhole Fissure Inlay