Asbestos Reassessment

St. Clare of Assisi
185 Glenashton Drive, Stoney Creek, Ontario

Prepared for:

Hamilton-Wentworth Catholic District School Board
90 Mulberry Street
Hamilton, Ontario, L8N 3R9

May 15, 2023

Pinchin File: 320582.001

Hamilton-Wentworth Catholic District School Board
Believing, Achieving, Serving

Issued to:	**Hamilton-Wentworth Catholic District School Board**
Issued on:	**May 15, 2023**
Pinchin File:	**320582.001**
Issuing Office:	**Hamilton, ON**

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EXECUTIVE SUMMARY

Hamilton-Wentworth Catholic District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials reassessment at the subject building.

The objective of the reassessment was to evaluate the condition and quantity of previously reported asbestos-containing materials (ACM) and develop corrective action plans as required for the purposes of long-term management. The results of this reassessment are not intended for construction, renovation, demolition or project tendering purposes.

Summary of Recommendations

The following is a summary of significant recommendations; refer to the body of the report for detailed recommendations:

- Perform a reassessment of asbestos-containing materials on an annual basis.
- Perform a pre-construction assessment and remove all asbestos-containing materials (ACM) prior to alteration or maintenance work if ACM may be disturbed by the work.
- Follow appropriate safe work procedures when handling or disturbing asbestos.
- Sample any presumed ACM prior to alteration or maintenance work if presumed ACM may be disturbed by the work.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

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APPENDICES

1.0 INTRODUCTION AND SCOPE

Hamilton-Wentworth Catholic District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials reassessment at St. Clare of Assisi located at 185 Glenashton Drive, Stoney Creek, Ontario.

The reassessment was performed on March 27, 2023.

The objectives of the reassessment were to document the locations, quantities and conditions of previously identified asbestos-containing building materials and develop corrective action plans as required. This reassessment is only to be used for the purposes of long-term management and routine maintenance. The results of this reassessment are not to be used for construction, renovation, demolition or project tendering purposes.

1.1 Scope of Assessment and Methodology

The objective of the reassessment was to evaluate the condition and quantity of previously reported asbestos-containing materials (ACM) and develop corrective action plans as required.

Pinchin conducted a review of previously identified asbestos-containing materials (ACM) to evaluate the current condition of all accessible ACMs identified in the most recent assessment.

As per the original scope of work, concealed locations such as ceiling spaces above solid ceilings, shafts and chases were accessed via existing access panels. Our investigation did not include demolition of drywall or plaster walls to view concealed conditions. Structural items or exterior building finishes were not removed to determine the presence of concealed materials.

For further details on the methodology including test methods, refer to Appendix VI.

2.0 BACKGROUND INFORMATION

2.1 Building Year of Construction

Item	Details
Year of Construction	1982

2.2 Existing Reports

2.2.1 Review of Previous Reports

Pinchin previously prepared the following report, which has been reviewed and relied upon as part of this assessment:

- Asbestos Reassessment Report, St. Clare of Assisi, 185 Glenashton Drive, Stoney Creek, Ontario, dated August 2022, Prepared by Pinchin Ltd., Pinchin File: 303992.004.

3.0 FINDINGS

The following section summarizes the findings of the reassessment and provides a general description of the asbestos materials identified. For details on quantities, assessment, sample numbers, friability, condition and locations of asbestos materials; refer to Hazardous Materials Summary / Sample Log Report and All Data Report in Appendices III and IV respectively.

Previous analytical sample results have been relied upon and were included in the original asbestos assessment report completed by MTE Consultants Inc. Additional samples results where collected by Pinchin have been included in Appendix I.

3.1 Excluded Asbestos Materials

A number of materials which might contain asbestos were not sampled during this reassessment due to limitations in scope and methodology. Where present, these materials are assumed to contain asbestos until otherwise proven by sampling and analysis. These materials are not shown on the drawings in Appendix V. Materials presumed to contain asbestos include:

- Roofing felts and tar, mastics
- Floor levelling compound
- Ceramic tile setting compound
- Electrical components
- Mechanical packing, ropes and gaskets
- Vermiculite
- Adhesives and duct mastics
- Caulking and putties
- Fibre-reinforced paints and coatings
- Paper products
- Soffit and fascia boards
- Fire resistant doors
- Stucco, plaster or other cementitious parge coatings
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads

3.2 Summary of Building Materials

This section includes a summary of materials that have been confirmed asbestos-containing by sample analysis, presumed asbestos-containing by visual identification, or confirmed non-asbestos by sampling or based on the manufacture date and known end of use of asbestos in these products.

The locations of samples from the historical assessments performed by Pinchin have been included on the drawings in Appendix V.

Material and Application	Asbestos Type	Photo
Pipes are either uninsulated or insulated with non-asbestos fibreglass or elastomeric insulation (Armaflex).	None	
Texture finish is present on the concrete soffit.	None Detected	
Ducts are either uninsulated or insulated with non-asbestos fibreglass (foil-faced or canvas).	None	
Vibration dampeners are present on HVAC equipment.	Presumed	
Mechanical equipment is either uninsulated or insulated with non-asbestos fibreglass.	None	
Acoustic ceiling tiles are presumed to be non-asbestos based on the date of manufacture determined from the date stamp applied to the top of the tiles.	None	
Non-asbestos drywall joint compound is present on wall and ceiling finishes.	None Detected	

Material and Application	Asbestos Type	Photo
Vinyl floor tiles and mastic, 12”x12” red, are present in the Gymnasium (Location 1006).	None (tile) Chrysotile (mastic)	
Vinyl floor tiles throughout the building were presumed to be non-asbestos based on historical knowledge of the date of installation. Mastic under non-asbestos vinyl floor tiles is presumed to contain asbestos until further sampling can prove otherwise.	None (tile) Presumed (mastic)	
Paper heat shields are present in light fixtures.	Presumed	

Material and Application	Asbestos Type	Photo
Gold sink undercoating is present.	Presumed	

Additional notes on the drywall joint compound discussed above:

- Drywall (gypsum board) and drywall joint compound is present as a wall and ceiling finish throughout the building. As per the methodology, drywall joint compound is sampled at exterior walls, columns or other locations that are unlikely to have been renovated in an attempt to determine the presence of asbestos in the original drywall compound. A total of 5 samples of drywall joint compound were collected (samples 0003A-E, lab reference no. 51829045) and it was found that all samples do not contain asbestos. Therefore, drywall joint compound present on drywall finishes should be considered to be non-asbestos.

4.0 RECOMMENDATIONS

4.1 General

Perform a detailed intrusive assessment prior to building renovation or demolition operations. The assessment should include destructive testing (i.e. coring and/or removal of building finishes and components), sampling of other hazardous materials (lead, mercury, PCBs, mould, etc.), and materials not tested in this study (i.e. roofing materials, caulking, mastics).

4.2 Remedial Work

There is no remedial work recommended.

4.3 On-going Management and Maintenance

The following recommendations are made regarding on-going management and maintenance work involving the asbestos materials identified.

4.3.1 Asbestos

Maintain the Asbestos Management Program (AMP).

Perform a reassessment of asbestos materials on an annual basis.

Remove asbestos-containing materials (ACM) prior to alteration or maintenance work if ACM may be disturbed by the work. Follow appropriate asbestos precautions for the classification of work being performed.

Sample presumed ACM prior to alteration or maintenance work if the presumed ACM may be disturbed by the work.

Update the asbestos inventory report upon completion of any abatement and removal of asbestos-containing materials.

5.0 TERMS AND LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

6.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.

APPENDIX I

Asbestos Analytical Certificates

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Stephen Holmquist

Project: 224334 St Clare of Assisi

Lab Order ID: 51817922
Analysis ID: 51817922_PLM
Date Received: 7/16/2018
Date Reported: 7/23/2018

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S001A / *51817922PLM_1*	Floor Mastic - Corridor 1001 - ONLY ANALYZE MASTIC	**None Detected**		**100% Other**	Black, Non Fibrous, Homogeneous / Dissolved
S001B / *51817922PLM_2*	Floor Mastic - Room 1018 - ONLY ANALYZE MASTIC	**None Detected**		**100% Other**	Black, Non Fibrous, Homogeneous / Dissolved
S001C / *51817922PLM_3*	Floor Mastic - Gym - ONLY ANALYZE MASTIC	**3% Chrysotile**		**97% Other**	Black, Non Fibrous, Homogeneous / Dissolved

Charmel Dozier (3)

Analyst

Approved Signatory

51817922

Version 1-15-2012

Client:	Pinchin Ltd.
Contact:	Stephen Holmquist
Address:	875 Main St W Hamilton, Ontario
Phone:	289.339.8072
Fax:	905.577.6207
Email:	sholmquist@pinchin.com
Project:	224334 St Clare of Assisi
Client Notes:	Hamilton Wentworth Catholic District
P.O. #.	224334
Date Submitted:	July 12 2018
Analysis:	PLM
TurnAroundTime:	6 Days - Stop Positive

Instructions:

Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"
Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Invoice to:

Accounts Payable
ap@pinchin.com

Scientific Analytical Institute

4604 Dundas Dr.
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
<<			
S001A		Floor Mastic - Corridor 1001 - ONLY ANALYZE MASTIC	
S001B		Floor Mastic - Room 1018 - ONLY ANALYZE MASTIC	
S001C		Floor Mastic - Gym - ONLY ANALYZE MASTIC	

Accepted ☑

Rejected ☐

N. Kanaj 7/16 10:30a

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP Lab Code: 200664-0

Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Robert Bertin-Fenney
Michael Maiorana

Project: 230748,185 Glenashton Drive, Hamilton, ON,Hamilton-Wentworth Catholic School Board,St. Clare of Assissi

Lab Order ID: 51829045
Analysis ID: 51829045_PLM
Date Received: 11/6/2018
Date Reported: 11/9/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
0002A - A	Texture finish on concrete, Front Entrance, Location 1001	**None Detected**		**100% Other**	White Non Fibrous Homogeneous
51829045PLM_1	*finish*				Crushed
0002A - B	Texture finish on concrete, Front Entrance, Location 1001	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous
51829045PLM_9	*base*				Crushed
0002B - A	Texture finish on concrete, Front Entrance, Location 1001	**None Detected**		**100% Other**	White Non Fibrous Homogeneous
51829045PLM_2	*finish*				Crushed
0002B - B	Texture finish on concrete, Front Entrance, Location 1001	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous
51829045PLM_10	*base - small sample*				Crushed
0002C - A	Texture finish on concrete, Front Entrance, Location 1001	**None Detected**		**100% Other**	White Non Fibrous Homogeneous
51829045PLM_3	*finish*				Crushed
0002C - B	Texture finish on concrete, Front Entrance, Location 1001	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous
51829045PLM_11	*base - small sample*				Crushed
0003A	DJC on ceiling, Women's washroom, Location 1014	**None Detected**		**100% Other**	White Non Fibrous Homogeneous
51829045PLM_4					Crushed
0003B	DJC on ceiling, Custodian Office, Location 1016	**None Detected**		**100% Other**	White Non Fibrous Homogeneous
51829045PLM_5					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Bethany Nichols (11)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP Lab Code: 200664-0

Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Robert Bertin-Fenney
Michael Maiorana

Project: 230748,185 Glenashton Drive, Hamilton, ON,Hamilton-Wentworth Catholic School Board,St. Clare of Assissi

Lab Order ID: 51829045
Analysis ID: 51829045_PLM
Date Received: 11/6/2018
Date Reported: 11/9/2018

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
0003C *51829045PLM_6*	DJC on colunm, Classroom, Location 1007	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
0003D *51829045PLM_7*	DJC on wall, Boy's washroom, Location 1017	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
0003E *51829045PLM_8*	DJC on bulkhead, Resource, Location 1019	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed

Bethany Nichols (11)

Analyst

Approved Signatory

5182904 5

Version 1-15-2012

Client:	Pinchin Ltd.	***Instructions:**	
Contact:	Robert Bertin-Fenney	*Use Column "B" for your contact info*	
	875 Main Street W., Unit 11		
Address:	Hamilton, ON L8S 4R9		
Phone:	905-577-6206	*To See an Example Click the*	**Invoice to:**
Fax:	905-577-6207	*bottom Example Tab.*	
Email:	rbertin-fenney@pinchin.com		
	mmaiorana@pinchin.com	***Enter samples between "<<" and ">>"***	
	230748,185 Glenashton Drive, Hamilton, ON,Hamilton-Wentworth Catholic School Board,St. Clare of		
Project:	Assissi	***Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.***	***Scientific Analytical Institute***
Client Notes:		*Only Enter your data on the first sheet "Sheet1"*	
P.O. #.	230748	*Note: Data 1 and Data 2 are optional*	***4604 Dundas Dr.***
Date Submitted:	November 5,2018	*fields that do not show up on the official*	***Greensboro, NC 27407***
		report, however they will be included	***Phone: 336.292.3888***
Analysis:	**PLM - Stop Positive**	*in the electronic data returned to you*	***Fax: 336.292.3313***
TurnAroundTime:	4days	*to facilitate your reintegration of the report data.*	***Email: lab@sailab.com***

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
<<			
0002A		Texture finish on concrete, Front Entrance, Location 1001	
0002B		Texture finish on concrete, Front Entrance, Location 1001	
0002C		Texture finish on concrete, Front Entrance, Location 1001	
0003A		DJC on ceiling, Women's washroom, Location 1014	
0003B		DJC on ceiling, Custodian Office, Location 1016	
0003C		DJC on colunm, Classroom, Location 1007	
0003D		DJC on wall, Boy's washroom, Location 1017	
0003E		DJC on bulkhead, Resource, Location 1019	
>>			

BBailey 11/6 10:30

Accepted ☒

Rejected ☐

APPENDIX II

Location List

LOCATIONS LIST

Client:Hamilton-Wentworth Catholic District Sch
Site: 185 Glenashton Drive, Stoney Creek, ON
Building Name: St. Clare Of Assisi
Survey Date: 2018-07-11
Last Re-Assessment: 2023-03-27
Building Phases: A: 1985

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1	Presumed Asbestos-Containing Materials	0	1	A	Where present, these materials are assumed to contain asbestos until otherwise proven by sampling and analysis
1001	Front Entrance	0	1	A	
1002	Corridor	0	1	A	
1003	Storage Room	0	1	A	
1004	Principal Office	0	1	A	
1005	Storage Room	0	1	A	
1006	Gymnasium	0	1	A	
1007	Classroom	0	1	A	
1008	Industrial Arts	0	1	A	
1009	Storage Room	0	1	A	
1010	Corridor	0	1	A	
1011	Classroom 15	0	1	A	
1012	Classroom 14	0	1	A	
1013	Classroom 13	0	1	A	
1014	Girls Washroom	0	1	A	
1015	Storage Room	0	1	A	
1016	Custodian Office	0	1	A	
1017	Boys Washroom	0	1	A	
1018	Classroom 12	0	1	A	
1019	Resource	0	1	A	
1020	Classroom 11	0	1	A	
1021	Classroom 10	0	1	A	
1022	Classroom 9	0	1	A	
1023	Classroom 8	0	1	A	
1024	Classroom 7	0	1	A	
1025	Classroom 6	0	1	A	
1026	Classroom 5	0	1	A	
1027	Classroom 3	0	1	A	
1028	Classroom 2	0	1	A	
1029	Classroom 1	0	1	A	
1030	Corridor	0	1	A	
1031	Staff Room	0	1	A	
1032	Corridor	0	1	A	
1033	Classroom 4	0	1	A	
1034	Washroom	0	1	A	
1035	Washroom	0	1	A	
1036	Washroom	0	1	A	
1037	Washroom	0	1	A	
1038	Meeting Room	0	1	A	
1039	Washroom	0	1	A	
1040	Office	0	1	A	
2001	Mechanical Room	0	2	A	

APPENDIX III

Summary Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:Hamilton-Wentworth Catholic District Sch **Site: 185 Glenashton Drive, Stoney Creek, ON** **Building Name: St. Clare Of Assisi** **Survey Date: 2018-07-11**

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABC	Floor | | Mastic |	1001,1006,1018	A	0	0	0	100	Chrysotile	Yes	NF
Asbestos	S0002 ABC	Ceiling | All | Texture Coat | Texture Finish Of Sofit	1001	A	0	0	0	100	None Detected	No	
Asbestos	S0003 ABCDE	Ceiling, Wall, Ceiling, Wall | Bulkhead, Column | Drywall And Joint Compound | Djc	1004,1007,1013,1014,1015,1016,1017,1019,1034 1035,1036,1037,1039	A	0	0	0	100	None Detected	No	
Asbestos	V9500	Floor | | Mastic |	1001,1002,1004,1007,1008,1009,1010,1011,1012 1013,1018,1020,1021,1022,1023,1024,1025,1026 1027,1028,1029,1030,1031,1032,1033,1038,1040	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Mechanical Equipment | Expansion Joint | Textile |	2001	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other | Sink | Mastic, Gold | Undercoating	1027,1031	A	0	0	3	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other | | N/a | Roofing Felts And Tar, Mastics, Floor Levelling Compound, Ceramic Tile Setting Compound, Electrical Components, Mechanical Packing, Ropes And Gaskets, Vermiculite, Adhesives And Duct Mastics, Caulking And Putties, Fibre-reinforced Paints And Coatings, Paper Products, Soffit And Fascia Boards, Fire Resistant Doors, Stucco, Plaster Or Other Cementitious Parge Coatings, Terrazzo, Ropes And Gaskets In Cast-iron Bell And Spigot Joints, Sealants On Pipe Threads	1	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other | Light Fixture | Paper | Heat Shield	1034,1035	A	0	0	2	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Ceiling | | Ceiling Tiles (lay-in) | 2'×4' Long Fissure Random Pinhole (date Stamp 08/30/05)	1002,1004,1007,1008,1010,1011,1012,1013,1018 1019,1020,1021,1022,1023,1024,1025,1026,1027 1028,1029,1030,1031,1032,1033,1038,1040	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Ceiling | | Ceiling Tiles (lay-in) | 2'×4' Short Fissure Random Pinhole (date Stamp 03/12/16)	1002,1004,1008,1011,1012,1013,1018,1019,1020 1021,1022,1023,1024,1025,1026,1027,1028,1029 1030,1031,1032,1033,1038,1040	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Carpet |	1013	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Ceramic Tiles |	1002	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Laminate |	1007	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12"x12" Grey With Dark Grey Fleck	1008	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12"×12" Beige W Brown Streak	1006,1012	A	0	0	0	100	Non Asbestos	No	

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12"×12" Brown W Beige Streak	1038	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12"×12" Grey Oatmeal	1011,1013,1018,1020,1021,1022,1023,1024,1025 1026,1027,1028,1029,1033	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12"×12" Light Grey Oatmeal	1030,1031,1032	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12x12 Beige With Brown	1006	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12x12 Grey With Dark Grey Flecks	1001,1002,1009	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12x12 Grey With Dark Grey Fleck	1010,1011,1012,1021,1022,1023,1024,1025,1026 1027,1028,1029,1030,1031,1033,1038	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile (no Mastic) | 12x12 Red	1006	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile And Mastic | 12x12 Grey With Dark Grey Flecks	1040	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile And Mastic | 12x12 Grey With Dark Grey Fleck	1004,1040	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Piping | | Fibreglass |	1016	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Piping | | Fibreglass | Fibreglass Insulation	1001	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Wall | | Masonry |	1001,1002	A	0	0	0	100	Non Asbestos	No	

Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
V####	Material visually similar to numbered sample collected
V0000	Known non Hazardous Material
V9000	Material is visually identified as Hazardous Material
V9500	Material is presumed to be Hazardous Material
[Loc. No.]	Abated Material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage

NF	Non Friable material.
F	Friable material
PF	Potentially Friable material

APPENDIX IV

All Data Report

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1 : Presumed Asbestos-Containing Materials **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Other		N/A, Roofing felts and tar, mastics, Floor levelling compound, Ceramic tile setting compound, Electrical components, Mechanical packing, ropes and gaskets, Vermiculite, Adhesives and duct mastics, Caulking and putties, Fibre-reinforced paints and coatings, Paper products, Soffit and fascia boards, Fire resistant doors, Stucco, plaster or other cementitious parge coatings, Terrazzo, Ropes and gaskets in cast-iron bell and spigot joints, Sealants on pipe threads			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF

Where present, these materials are assumed to contain asbestos until otherwise proven by sampling and analysis

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1001 : Front Entrance **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Texture Coat, Texture finish of sofit			C	Y		100			%	S0002ABC	None Detected		None	
Floor		Mastic			D	N		100			%	S0001A	[None]		[None]	
Floor		Mastic		Vinyl Floor Tile	D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor[1]		Vinyl Floor Tile (No Mastic), 12x12 Grey with dark grey flecks						100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass, Fibreglass insulation			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

1 - Based on information from the client new VFT were installed in 2017.

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1002 : Corridor **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Ceramic Tiles			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor[1]		Vinyl Floor Tile (No Mastic), 12x12 Grey with dark grey flecks						100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		100			%	V0000	Non-Asbestos		None	

1 - Based on information from the client new VFT were installed in 2016.

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1003 : Storage Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Concrete (poured)			A	Y					%					
Piping		Fibreglass			C	N										
Structure	Beam Deck Joist	Steel			C	Y										
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1004 : Principal Office **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor[1]		Vinyl Floor Tile and Mastic, 12x12 grey with dark grey fleck										V0000	Non-Asbestos		None	
Floor[2]		Vinyl Floor Tile and Mastic, 12x12 grey with dark grey fleck										V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										
Wall		Drywall Compound			A	Y		100			%	V0003	None Detected		None	

1 - Based on information from the client new VFT were installed in 2017.
2 - Installed 2017

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1005 : Storage Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Concrete (poured)			A	Y					%					
Structure	Beam Deck Joist	Steel			C	Y										
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1006 : Gymnasium **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mastic, Beneath flooring			D	N		100(7)			%	S0001C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" beige w brown streak			A	Y		100			%	V0000	Non-Asbestos		None	
Floor[1]		Vinyl Floor Tile (No Mastic), 12x12 Beige with brown			A	Y						V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 red			A	Y		100			%	V0000	Non-Asbestos		None	
Structure	Beam Deck Joist	Steel			C	Y										
Wall		Masonry			A	Y										

1 - Based on information from the client new VFT were installed in 2017.

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1007 : Classroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Laminate			A	Y						V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	N										
Wall		Masonry			A	Y										
Wall	Column	Drywall and joint compound			A	Y						S0003C	None Detected		None	

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1008 : Industrial Arts **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor[1]		Vinyl Floor Tile (No Mastic), 12"x12" Grey with dark grey fleck						100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N										
Wall		Masonry			A	Y										

1 - Based on information from the client new VFT were installed in 2017.

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1009 : Storage Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor[1]		Vinyl Floor Tile (No Mastic), 12x12 Grey with dark grey flecks						100			%	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	Y										
Structure	Beam Deck Joist	Steel			C	Y										
Wall		Masonry			A	Y										

1 - Based on information from the client new VFT were installed in 2016.

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1010 : Corridor **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck						100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1011 : Classroom 15 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1012 : Classroom 14 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" beige w brown streak			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1013 : Classroom 13 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y						V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Drywall and joint compound			A	Y		100			%	V0003	None Detected		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1014 : Girls Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	S0003A	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Wall		Ceramic Tiles			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1015 : Storage Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	V0003	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Wall		Ceramic Tiles			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1016 : Custodian Office **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	S0003B	None Detected		None	
Floor		Concrete (poured)			A	Y										
Piping		Fibreglass	Insulation		C	Y						V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1017 : Boys Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	V0003	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Wall		Drywall and joint compound			A	Y		100			%	S0003D	None Detected		None	
Wall		Masonry			A	Y										
Wall		Ceramic Tiles			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1018 : Classroom 12 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100			%	S0001B	[None]		[None]	
Floor		Mastic		Vinyl Floor Tile	D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1019 : Resource **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling	Bulkhead	Drywall and joint compound			C	Y						S0003E	None Detected		None	
Floor		Carpet			A	Y										
Wall		Drywall and joint compound			A	Y		100			%	V0003	None Detected		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1020 : Classroom 11 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1021 : Classroom 10 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1022 : Classroom 9 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1023 : Classroom 8 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1024 : Classroom 7 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1025 : Classroom 6 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1026 : Classroom 5 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1027 : Classroom 3 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Other	Sink	Mastic, Gold, Undercoating			A	N		2(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1028 : Classroom 2 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1029 : Classroom 1 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1030 : Corridor **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" light grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1031 : Staff Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" light grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Other		Mastic, Gold, Undercoating			A	N		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1032 : Corridor **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" light grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1033 : Classroom 4 **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Carpet			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" grey oatmeal			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1034 : Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	V0003	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Other	Light Fixture	Paper, Heat shield			C	Y		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1035 : Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	V0003	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Other	Light Fixture	Paper, Heat shield			C	Y		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1036 : Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	V0003	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Other	Light Fixture	Paper, Heat shield, wall mounted			C	Y		1			EA	V9500	[None]		[Abated]	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1037 : Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	V0003	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Other	Light Fixture	Paper, Heat shield, wall mounted			C	Y		1			EA	V9500	[None]		[Abated]	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1038 : Meeting Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12"×12" brown w beige streak			A	Y		100			%	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile (No Mastic), 12x12 grey with dark grey fleck			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1039 : Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100			%	V0003	None Detected		None	
Floor		Ceramic Tiles			A	Y										
Other	Light Fixture	Paper, Heat shield, wall mounted			C	Y		1			EA	V9500	[None]		[Abated]	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #1040 : Office **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2'×4' long fissure random pinhole (date stamp 08/30/05)			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Ceiling Tiles (lay-in), 2'×4' short fissure random pinhole (date stamp 03/12/16)			C	Y		100			%	V0000	Non-Asbestos		None	
Floor[1]		Vinyl Floor Tile and Mastic, 12x12 Grey with dark grey flecks			A	Y						V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 grey with dark grey fleck			A	Y						V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										

1 - Based on information from the client new VFT were installed in 2017.

Client: Hamilton-Wentworth Catholic District Sch **Site: Elementary** **Building Name: St. Clare Of Assisi**
Location: #2001 : Mechanical Room **Floor: 2** **Room #:** **Area (sqft): 0**
Survey Date: 2018-07-11 **Last Re-Assessment: 2023-03-27**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Concrete (poured)			A	Y										
Mechanical Equipment	Expansion Joint	Textile			C	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass			C	Y										
Structure	Beam Deck Joist	Steel			C	Y										
Wall		Masonry			A	Y										

Legend:

Sample number	
S####	Asbestos sample collected
V####	Material visually similar to numbered sample collected
V0000	Known non-asbestos material
V9000	Visually identified as an asbestos material
V9500	Material is presumed to be an asbestos material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage

Other	
A	Access
V	Visible
AP	Air Plenum
F	Friable material
NF	Non Friable material
PF	Potentially Friable material

Access	
A	Accessible to all building occupants
B	Accessible to maintenance and operations staff without a ladder
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas
D	Not normally accessible

Condition	
Good	No visible damage or deterioration
Fair	Minor, repairable damage, cracking, delamination or deterioration
Poor	Irreparable damage or deterioration with exposed and missing material

Visible	
Y	The material is visible when standing on the floor of the room, without the removal or opening of other building components (e.g. ceiling tiles or access panels).
N	The material is not visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceilings tiles or access panels) to view and access. Includes rarely entered crawlspaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.

Air Plenum	
Yes or No	The material is in a return air plenum or in a direct airstream or there is evidence of air erosion (e.g. duct for heating or cooling blowing directly on or across an ACM). This field is only completed where Air Plenum consideration is required by regulation.

Colour Coding	
	The material is known to contain regulated concentrations of asbestos; either by analytical results or visible identification (use of the V9000 code).
	The material is presumed to contain asbestos; based on visual appearances; typically a material known to historically contain asbestos; however, not sampled due to limited access or the destructive nature of the sampling.

Action					
(1)	Clean up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	(3)	ACM removal
(4)	Precautions for Work Which may Disturb ACM in Poor Condition	(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair
(7)	Management program and surveillance				

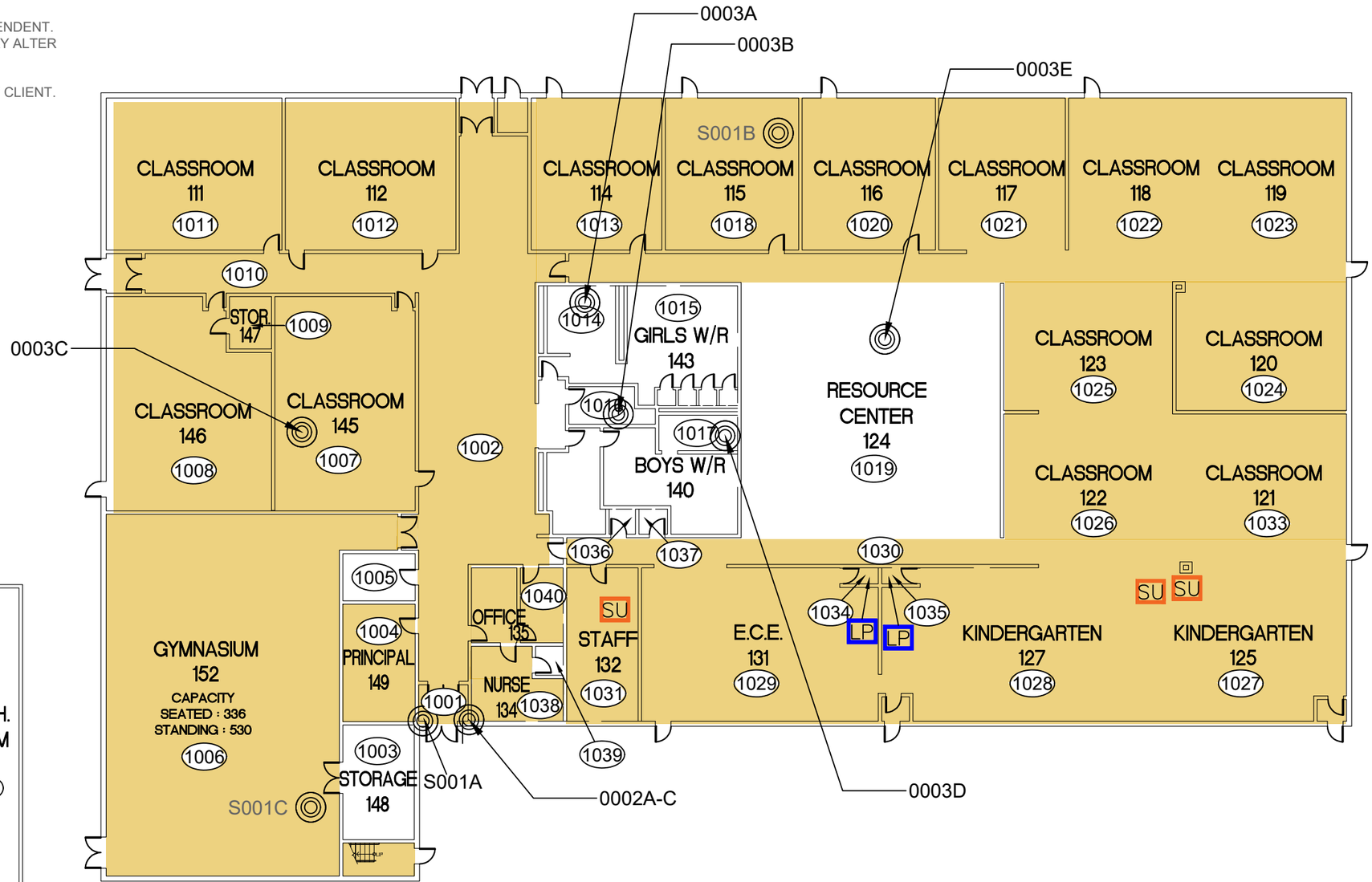
APPENDIX V

Drawings

NOT ALL KNOWN OR SUSPECTED ASBESTOS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE ASBESTOS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED ASBESTOS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



(MECHANICAL ROOM ABOVE)

PINCHIN

905-577-6206 www.pinchin.com

LEGEND:

- (X) LOCATION NUMBER
- ASBESTOS BULK SAMPLE

ASBESTOS-CONTAINING MATERIALS:

- MASTIC
- VD VIBRATION DAMPENER
- LP LIGHT PAPER
- SU SINK UNDERCOATING

CLIENT:

LOCATION:
ST. CLARE OF ASSISI
185 GLENASHTON DRIVE
HAMILTON, ONTARIO

TITLE:
ASBESTOS REASSESSMENT
GROUND FLOOR

DATE:	PROJECT # :
MAY 2023	320582.001
DRAWN BY: NM	DRAWING: 1 OF 1
CHECKED BY: EB	
SCALE: NTS	

APPENDIX VI

Methodology

1.0 GENERAL

Pinchin conducted an inspection of previously identified asbestos-containing materials (ACM) to evaluate the current condition of all accessible ACM identified in the most recent assessment.

The surveyor made reference to any existing assessment or abatement reports (as provided by the Client).

Materials listed as exclusions in the previous reports have remained as exclusions. Sampling, assessment or verification of excluded materials was not conducted.

Existing sampling data, where available, was reviewed and relied upon.

Where sampling was conducted, sample collection was conducted in accordance with our Standard Operating Procedures.

A separate set of samples was collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials were determined by visual examination and available information on the phases of construction and prior renovations.

Samples were collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy was also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start / finish date of construction and associated usage of ACM. In some cases, manufactured products such as asbestos cement pipe were visually identified without sample confirmation.

The asbestos analysis was completed using a stop-positive approach. Only one result meeting the regulated criteria was required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stopped analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material were analyzed if no asbestos is detected. In some cases, all samples were analyzed in the sample set regardless of result.

The analysis was performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

The following summarizes the criteria of asbestos definitions.

Jurisdiction	Friable	Non-Friable
Ontario	0.5%	0.5%

Where building materials are described in the report as “non-asbestos” or “does not contain asbestos”, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation. Additionally, these terms are used for materials which historically are known to not include asbestos in their manufacturing.

Asbestos materials are evaluated in order to make recommendations regarding remedial work. The priority for remedial action is based on several factors:

- Friability (friable or non-friable).
- Condition (good, fair, poor, debris).
- Accessibility (ranking from accessible to all building users to inaccessible).
- Visibility (whether the material is obscured by other building components).
- Efficiency of the work (for example, if damaged ACM is being removed in an area, it may be most practical to remove all ACM in the area even if it is in good condition).

For a complete description of the Evaluation Criteria and Basis of Recommendations, refer to Annex A.

Template: Methodology for Asbestos Reassessment, HAZ, July 27, 2021

METHODOLOGY ANNEX A EVALUATION CRITERIA

1.0 EVALUATION CRITERIA AND BASIS OF RECOMMENDATIONS

The detailed asbestos assessment provides information regarding the location, condition, accessibility and friability of the asbestos-containing materials (ACM). In order to make recommendations for compliance with current regulations, Pinchin developed the following criteria.

2.0 EVALUATION OF CONDITION

2.1 Friable Sprayed or Trowelled Fireproofing, Thermal Insulation and Texture Finishes (Surfacing Materials)

To evaluate the condition of ACM sprayed or trowelled on fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes, the following criteria are applied:

Good	Surface of material shows no significant signs of damage, deterioration or delamination. Good condition includes unencapsulated or unpainted fireproofing or texture finishes, where no or limited delamination or damage is observed, or encapsulated fireproofing or texture finishes where the encapsulant or paint has been applied after the damage or fallout occurred.
Poor	A sprayed material that shows signs of significant damage or is significantly delaminating or deteriorating. This may be limited to surface delamination or some portion of the substrate may be exposed.

In Locations where damage exists in isolated areas, both good and poor condition may be applicable. The extent of each condition will be recorded. Fair condition is not utilized in the evaluation of ACM sprayed or trowelled fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes.

The evaluation of the above products above ceilings may be limited by the number of observations and by building components such as ducts or full height walls that obstruct the above ceiling observations.

2.2 Friable Mechanical or Thermal System Insulation (TSI)

To evaluate the condition of mechanical insulation on vessels, boilers, breeching, ducts, pipes, fan units, equipment etc. the following criteria are applied:

Good	Insulation is completely covered in jacketing and exhibits no evidence of damage or deterioration. No insulation is exposed. Includes conditions where the jacketing has minor damage (i.e. scuffs or stains), but the jacketing is not penetrated.
Fair	Minor penetrating damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination) or undamaged insulation that has never been jacketed. Insulation is exposed but not showing surface disintegration. The extent of missing insulation ranges from minor to none. Damage can be repaired.

Poor	Original insulation jacket is missing, damaged, deteriorated or delaminated. Insulation is exposed and significant areas have been dislodged. Damage cannot be readily repaired. Includes components where insulation may have been removed incompletely.

The evaluation of mechanical insulation may be limited by the number of observations made and building components such as ducts or full height walls that obstruct observations. It is often not possible to observe each foot of mechanical insulation from all angles.

2.3 Potentially Friable Materials and Miscellaneous Friable Materials

Potentially friable ACM are products that are basically non-friable while in place but have the potential to generate friable dust upon removal or if significantly disturbed without appropriate procedures. These products may become friable if damaged. Potentially friable materials include materials such as acoustic ceiling tiles and plaster. To evaluate the condition of potentially friable materials, the following criteria are applied:

Good	No significant damage or deterioration. Still serving its intended use as a building material or finish.
Fair	Showing signs of some cracking or breakage, but is not deteriorating (e.g. cracked plaster, broken but in place ceiling tile, missing tile or section of plaster etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
Poor	Significant deterioration or breaking apart of the material. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material has deteriorated to a point it has become friable. Normally potentially friable ACM in Poor condition is not repairable and requires at least localized removal and replacement.

2.4 Non-Friable Materials

Non-friable ACM cover a wide range of products with a wide variation in their tendency to release dust or asbestos fibres to the air. Many of these materials, (particularly where the matrix is an unweathered bitumen, asphalt or tar material) do not release fibres except in very unusual circumstances or during significant disturbance (e.g. use of abrasive power tools). Others with a cementitious matrix (asbestos-cement products) can more readily release dust due to abrasion, demolition, weathering, etc. The potential for asbestos release from non-friable ACM is always lower than from friable ACM. To evaluate the condition of non-friable Materials, the following criteria are applied:

Good	No significant damage or deterioration. Still serving its intended use as a building material or finish.

Fair	Showing signs of some cracking or breakage but is not deteriorating (e.g. cracked vinyl floor tile, missing piece of tile or transite, etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
Poor	Significant deterioration or breaking apart of the material to the point at which it cannot be repaired, and it will require at least local removal. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material may have deteriorated to a point where traffic or disturbance may cause it to become friable.

2.5 Evaluation of ACM Debris

The identification of the exact location or presence of debris on the top of ceiling tiles is limited by the number of observations made and the presence of building components such as ducts or full height walls that obstruct observations.

The presence of fallen or dislodged ACM is noted separately from the ACM source and is referred to as Debris. Debris may be friable if from a friable ACM source or a badly deteriorated non-friable ACM source. Debris may also be non-friable (such as fallen pieces of transite sheet or mastic fittings, or broken, dislodged floor tiles).

Debris	Debris may be friable or non-friable but is always identified as debris.

2.6 Evaluation of Presumed Asbestos-Containing Material (PACM)

Presumed asbestos-containing materials (PACM), are building materials that may contain asbestos but were not sampled or analyzed due to inaccessibility or the need to perform destructive testing to obtain a reasonable sample set. Evaluation of these materials is based on the assumption that these PACM are asbestos-containing.

A list of PACM is provided in the report and they are generally not included in the detailed room by room reports. Typically, they are excluded because they are inaccessible or present in very small quantities. If PACM are evaluated, Pinchin uses the criteria that correspond with the type (and friability) of the material listed above.

3.0 EVALUATION OF ACCESSIBILITY

The accessibility of building materials known or suspected of being ACM is rated according to the following criteria:

Access (A)	Common areas of the building within reach of all building users (approximately 8 '-9' from floor or standard ceiling height). Includes other areas where occupant activities may result in disturbance of material that is not normally within reach from floor level, but may be disturbed by common activities (e.g. gymnasiums, workshops, warehouses)
Access (B)	Areas of the building accessed primarily by Maintenance/Caretaking/Janitorial Staff and within reach without use of a ladder. Includes areas within reach in Boiler Rooms, Electrical Rooms, Janitors Closets, Elevator Rooms, Mechanical Rooms, etc. Includes materials within reach from fixed ladders or catwalks, mezzanines, and accessible pipe chases.
Access (C) and Visible	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Only includes ACM that are visible to view without the removal or opening of other building components such as ceiling tiles or service access panels. Visible column on HMIS sheets will say YES.
Access (C) and not Visible	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Includes ACM that are not visible to view and require the removal of a building component to see, such as ceilings tiles or access panels to view and access. Includes rarely entered crawl spaces, attic spaces, etc. Observations will be limited to the extent visible from the access points. Visible column on HMIS sheets will say NO.
Access (D)	Areas of the building behind inaccessible solid ceiling systems, walls or equipment etc. where demolition of the ceiling, wall or equipment etc. is required to reach the ACM. Material inaccessible due to height or location or is only accessed under unusual situations. Evaluation of condition and extent of ACM is limited or impossible, depending on the surveyor's ability to visually examine materials in Access D.

4.0 ACTION MATRIX AND DEFINITIONS

Pinchin's evaluation of the viability of a specific asbestos control option is based on the consideration of the friability, condition, accessibility and visibility of a material. The logic used is that damaged ACM located in an area frequently accessed by all building occupants is of a higher priority than damaged ACM located in an infrequently accessed service area. The action matrix considers the potential for fibre release (primarily from friable ACM) and the possible concerns from regulatory bodies and many building occupants to all damaged ACM (including non-friable).

In any building with asbestos, many current regulations require an Asbestos Management Program be implemented. Depending on the condition and the accessibility, more active measures such as repair or removal may be recommended. The following matrix provides guidance for recommended Actions in the absence of renovation or demolition. In the event of construction or maintenance activity which will disturb ACM more aggressive control or removal will be required.

4.1 Action Matrix

The following tables outline the action decisions based on the relationship of assessed factors. Table I applies to friable ACM. Table II applies to non-friable ACM.

Table I Decision Matrix for Friable ACM

Access	Condition			Debris
	Good	Fair	Poor	
(A)	Action 5[1]	Action 5[2]	Action 3	Action 1
(B)	Action 7	Action 6[3]	Action 3	Action 1
(C) Visible	Action 7	Action 6	Action 3	Action 2
(C) Not Visible	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

Table II Decision Matrix for Potentially Friable and Non-Friable ACM

Access	Condition			Debris
	Good	Fair	Poor	
(A)	Action 7	Action 7[4]	Action 3	Action 1
(B)	Action 7	Action 7	Action 3	Action 1
(C) Visible	Action 7	Action 7	Action 4	Action 2
(C) Not Visible	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

4.2 Action Definitions

The following are the definitions in the Action Matrix Table presented above:

Action Definitions	
Action 1	Clean-Up of ACM Debris Restrict access that is likely to cause a disturbance of the ACM Debris and clean up ACM Debris. Utilize appropriate asbestos precautions.

[1] If friable ACM in access (A)/Good condition is not proactively removed Action 7 (Manage) is recommended.
[2] If friable ACM in access (A)/Fair condition is not proactively removed repair is recommended.
[3] If friable ACM in access (B)/Fair condition is likely to be disturbed after repair proactive removal is recommended.
[4] Action 7 is recommended for all non-friable ACM in Fair condition however some clients may wish to repair or take some action primarily for cosmetic reasons

Action Definitions	
Action 2	Precautions for Access Which may Disturb ACM Debris Use appropriate means to isolate the debris or to limit entry to the area which may disturb the material. At locations where ACM Debris can remain in place in lieu of removal or clean-up (e.g. Debris on top of ceiling tiles or behind lockable door), Utilize appropriate asbestos precautions to enter the area if this will disturb debris. The precautions will be required until the ACM Debris has been cleaned up.
Action 3	ACM Removal Remove ACM. Utilize asbestos procedures appropriate to the scope of the removal work. Until it is removed, restrict access to the material so it is not disturbed.
Action 4	Precautions for Work Which may Disturb ACM in Poor Condition. Utilize appropriate asbestos precautions if ACM may be disturbed by work on or near ACM. This does not require restricting access to the area, only control of work which may contact or disturb the ACM. Removal is the only viable option if work will disturb ACM.
Action 5	Proactive ACM Removal Remove friable ACM where the presence of friable asbestos in Good condition is not desirable. If friable ACM in Fair condition is not removed, then Repair friable ACM.
Action 6	ACM Repair Repair friable ACM in Fair condition which is not likely to be damaged again or disturbed by normal use of the area or room. Pinchin recommends proactive removal if friable ACM is likely to be damaged or disturbed during normal use of the area or room
Action 7	Asbestos Management Program with Routine Surveillance Implement an Asbestos Management Program, including routine surveillance of ACM. Reassess materials regularly (typically once per year).

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