

REASSESSMENT SURVEY OF ASBESTOS-CONTAINING BUILDING MATERIALS



BUILDING NAME: William H. Bolton Arena
ADDRESS: 40 Rossmore Road
DISTRICT: SOUTH
REPORT DATE: January, 2018

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1. SCOPE OF WORK

The objective of the Asbestos Reassessment Survey was to observe and document the current condition of asbestos-containing materials (ACM) within the building and, if necessary, make recommendations to fulfil requirements set forth in Ontario Regulation 278/05 - *Asbestos on Construction Projects and in Buildings and Repair Operations* under the Occupational Health and Safety Act (OHSA) to achieve regulatory compliance.

To ensure familiarity with the building, the Surveyor reviewed all available reports that document ACM within the facility prior to commencing the asbestos reassessment survey. The scope of work did not include assessing building materials that may be present beneath flooring, behind fixed walls or above fixed ceilings.

The last asbestos survey that occurred at this building was carried out on March 31, 2014.

2. ASBESTOS SURVEY

A room-by-room reassessment survey of asbestos-containing materials was conducted at William H. Bolton Arena, 40 Rossmore Road by Beverley Hubbard, Environmental Coordinator with PF&R Management Services (herein referred to as the Surveyor) on January 22, 2018. The Surveyor conducted a visual assessment of all known and assumed asbestos-containing materials in all accessible areas of the building. The condition of each ACM was recorded on the Asbestos Reassessment Survey Form under Appendix 1.

Collection of samples for analysis of asbestos type and content was carried out at the discretion of the Surveyor, and may have occurred during the current reassessment as the material:

- had not been identified in a previous survey or reassessment;
- was not previously collected with sufficient frequency to conclude the material is non-asbestos, in accordance with the requirements of O. Reg. 278/05; or,
- was reported as "less than 1 percent" asbestos content from previous sampling programs that may have been conducted before an asbestos-containing material was defined as a material that contains 0.5 percent or more asbestos by dry weight in 2007.

Materials confirmed to be ACM during previous surveys were not sampled during the current survey unless damage or deterioration was evident. Non-friable materials including plaster, drywall joint compound, vinyl floor tile and sheeting, mastic, window caulking and roofing materials were not sampled unless observed damaged or otherwise deemed necessary by the Surveyor.

No bulk samples were collected for analysis of asbestos type and content during the current survey. Unless previously determined to be non-asbestos, plaster, drywall joint compound, vinyl floor tile, mastic, window caulking and roofing materials within the facility should continue to be assumed to be ACM. Prior to renovations or demolition activities these materials should be sampled to determine if they are ACM.

3. FINDINGS

Building materials identified as assumed or confirmed ACM within the facility included the following:

- Texture finish – assumed,
- Vinyl sheet flooring (2 varieties) – assumed,
- Ceiling Tile (two varieties) – assumed,
- Drywall joint compound – assumed,
- Plaster – assumed,
- Reflective ceiling insulation – assumed,
- Window and door caulking – assumed, and
- Roofing materials – assumed

All assumed or confirmed ACM were observed in GOOD condition at the time of the current survey.

Refer to the Asbestos Reassessment Survey Form and the Survey Drawings under Appendices I and IV respectively for room by room information where asbestos is present within the building.

4. RECOMMENDATIONS

All assumed and confirmed ACM were observed in GOOD condition at the time of this survey. Therefore, no recommended corrective actions are made at this time.

Prior to renovations or demolition that may disturb asbestos-containing materials, or those assumed to be ACM, location specific sampling should be carried out to determine if the material contains asbestos.

5. CORRECTIVE ACTIONS

No corrective actions were recommended.

6. CLOSING

The current reassessment survey report must be appended to the original survey report for this building. The City of Toronto's Asbestos Management Plan, the original asbestos survey report and any subsequent reassessment reports for this building must be available at the facility.

This report is intended to document and demonstrate compliance with asbestos regulations **only**. Prior to any maintenance, renovation or demolition activities that may disturb building materials, a thorough survey of the work area for all designated substances and hazardous materials must be conducted.

Report Prepared By:




Beverley Hubbard
Environmental Coordinator

APPENDIX I

ASBESTOS REASSESSMENT SURVEY FORM

ASBESTOS REASSESSMENT SURVEY FORM

Building Name: William H. Bolton Arena Building Address: 40 Rossmore Road Original Survey Conducted By: Construction Control Inc. Date(s) of Original Survey: May 27, 2003	Date(s) of Current Reassessment: January 22, 2018 Organization completing Asbestos Reassessment: City of Toronto, PF&R Management Services Name of surveyor: Beverley Hubbard Signature of Surveyor: 
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Summary of Findings

All assumed and confirmed ACM was observed in Good condition.

Location Number	Location Name	Building System	Potential ACM Observed	Sample ID	Asbestos Type / Content	Friable or Non-Friable (F or N-F)	Quantity	Condition	Notes / Recommended Actions
0-00	Exterior	Roof	Roofing Materials	Not Sampled	ACM Assumed	N-F	22,354 SF	N/A	NOT ACCESS DURING 2018 SURVEY
0-00	Exterior	Windows & Doors	Caulking	Not Sampled	ACM Assumed	N-F	All	Good	
0-00	Exterior	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-01	Vestibule (former Foyer)	Floor	Vinyl Sheet Flooring 2	Not Sampled	ACM Assumed	N-F	108 SF	Good	Blue
1-01	Vestibule (former Foyer)	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-01	Vestibule (former Foyer)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-02	Foyer (former Waiting Area)	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	378 SF	Good	Grey
1-02	Foyer (former Waiting Area)	Floor	Vinyl Sheet Flooring 2	Not Sampled	ACM Assumed	N-F	174 SF	Good	Blue
1-02	Foyer (former Waiting Area)	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-02	Foyer (former Waiting Area)	Ceiling	Texture Finish	060806862-0305 *	None Detected	N-F	N/A	N/A	NOT OBSERVED DURING 2018 SURVEY * From 2008 Survey Report; insufficient quantity of samples to conclude material is non-asbestos
1-02	Foyer (former Waiting Area)	Ceiling	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	184 SF	Good	
1-03	Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Location has been combined with 1-04 Pro Shop
1-04	Pro Shop (former Office)	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	238 SF	Good	Grey
1-04	Pro Shop (former Office)	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-04	Pro Shop (former Office)	Ceiling	Ceiling Tile 1	Not Sampled	ACM Assumed	N-F	4 SF	Good	2' x 2' pinhole, short fissure
1-04	Pro Shop (former Office)	Ceiling	Ceiling Tile 2	Not Sampled	ACM Assumed	N-F	117 SF	Good	2' x 2' pinhole, fissure
1-04	Pro Shop (former Office)	Ceiling	Ceiling Tile 3	Not Sampled	ACM Assumed	N-F	117 SF	Good	2' x 2' pinhole, short fat fissure

ASBESTOS REASSESSMENT SURVEY FORM

Location Number	Location Name	Building System	Potential ACM Observed	Sample ID	Asbestos Type / Content	Friable or Non-Friable (F or N-F)	Quantity	Condition	Notes / Recommended Actions
1-05	Snack Bar	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	240 SF	Good	Grey
1-05	Snack Bar	Walls	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	156 SF	Good	
1-05	Snack Bar	Ceiling	Ceiling Tile 1	Not Sampled	ACM Assumed	N-F	240 SF	Good	2' x 4' pinhole, short fissure
1-06	Storage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Location has been combined with 1-05 Snack Bar
1-07	Women's Washroom	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	104 SF	Good	Grey
1-07	Women's Washroom	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-07	Women's Washroom	Ceiling	Plaster	Not Sampled	ACM Assumed	N-F	104 SF	Good	
1-08	Men's Washroom	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	104 SF	Good	Grey
1-08	Men's Washroom	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-08	Men's Washroom	Ceiling	Plaster	060806862-0304 *	None Detected	N-F	104 SF	Good	* From 2008 Survey Report; insufficient quantity of samples to conclude material is non-asbestos
1-09	Corridor	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	464 SF	Good	Grey
1-09	Corridor	Floor	Vinyl Sheet Flooring 2	Not Sampled	ACM Assumed	N-F	66 SF	Good	Blue
1-09	Corridor	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-09	Corridor	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-10	Change Room 1	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	252 SF	Good	Grey
1-10	Change Room 1	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-10	Change Room 1	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-11	Janitor Closet	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
1-11	Janitor Closet	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-11	Janitor Closet	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-12	Washroom	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	48 SF	Good	Grey
1-12	Washroom	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-12	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	

ASBESTOS REASSESSMENT SURVEY FORM

Location Number	Location Name	Building System	Potential ACM Observed	Sample ID	Asbestos Type / Content	Friable or Non-Friable (F or N-F)	Quantity	Condition	Notes / Recommended Actions
1-13	Washroom	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	48 SF	Good	Grey
1-13	Washroom	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-13	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-14	Change Room 2	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	252 SF	Good	Grey
1-14	Change Room 2	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-14	Change Room 2	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-15	Change Room 3	Floor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	NO ACCESS DURING 2018 SURVEY
1-15	Change Room 3	Walls	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
1-15	Change Room 3	Ceiling	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
1-16	Washroom	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	48 SF	Good	Grey
1-16	Washroom	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-16	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-17	Washroom	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	48 SF	Good	Grey
1-17	Washroom	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-17	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-18	Change Room 4	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	252 SF	Good	Grey
1-18	Change Room 4	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-18	Change Room 4	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-19	Compressor Room	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
1-19	Compressor Room	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-19	Compressor Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-20	Staff Room (former Pro Shop)	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
1-20	Staff Room (former Pro Shop)	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-20	Staff Room (former Pro Shop)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	

ASBESTOS REASSESSMENT SURVEY FORM

Location Number	Location Name	Building System	Potential ACM Observed	Sample ID	Asbestos Type / Content	Friable or Non-Friable (F or N-F)	Quantity	Condition	Notes / Recommended Actions
1-21	Utility Room	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
1-21	Utility Room	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-21	Utility Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-22	Zamboni Room	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
1-22	Zamboni Room	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-22	Zamboni Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-23	Ice Rink	Floor	Vinyl Sheet Flooring 1	Not Sampled	ACM Assumed	N-F	360 SF	Good	Grey
1-23	Ice Rink	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-23	Ice Rink	Ceiling	Reflective Insulation	Not Sampled	ACM Assumed	N-F	1,650 SF	Good	
1-24	Referee Room (former First Aid Room)	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
1-24	Referee Room (former First Aid Room)	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-24	Referee Room (former First Aid Room)	Ceiling	Plaster	Not Sampled	ACM Assumed	N-F	78 SF	Good	
1-25	Vestibule	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
1-25	Vestibule	Walls	N/A	N/A	N/A	N/A	N/A	N/A	
1-25	Vestibule	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-26	Washroom	Floor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	NOT ACCESS DURING 2018 SURVEY
1-26	Washroom	Walls	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
1-26	Washroom	Ceiling	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
2-01	Corridor	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
2-01	Corridor	Walls	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	336 SF	Good	
2-02	Corridor	Ceiling	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	80 SF	Good	
2-02	Storage Room	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
2-02	Storage Room	Walls	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	272 SF	Good	
2-02	Storage Room	Ceiling	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	76 SF	Good	

ASBESTOS REASSESSMENT SURVEY FORM

Location Number	Location Name	Building System	Potential ACM Observed	Sample ID	Asbestos Type / Content	Friable or Non-Friable (F or N-F)	Quantity	Condition	Notes / Recommended Actions
2-03	Board Room	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
2-03	Board Room	Walls	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	480 SF	Good	
2-03	Board Room	Ceiling	Texture Finish	Not Sampled	ACM Assumed	N-F	200 SF	Good	
2-04	Office	Floor	N/A	N/A	N/A	N/A	N/A	N/A	
2-04	Office	Walls	Drywall (DJC)	Not Sampled	ACM Assumed	N-F	416 SF	Good	
2-04	Office	Ceiling	Texture Finish	Not Sampled	ACM Assumed	N-F	160 SF	Good	
2-05	Closet	Floor	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	NOT ACCESS DURING 2018 SURVEY
2-05	Closet	Walls	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
2-05	Closet	Ceiling	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	
Surveyor's Field Notes									

APPENDIX II

RESULTS OF BULK SAMPLE ANALYSIS FOR ASBESTOS

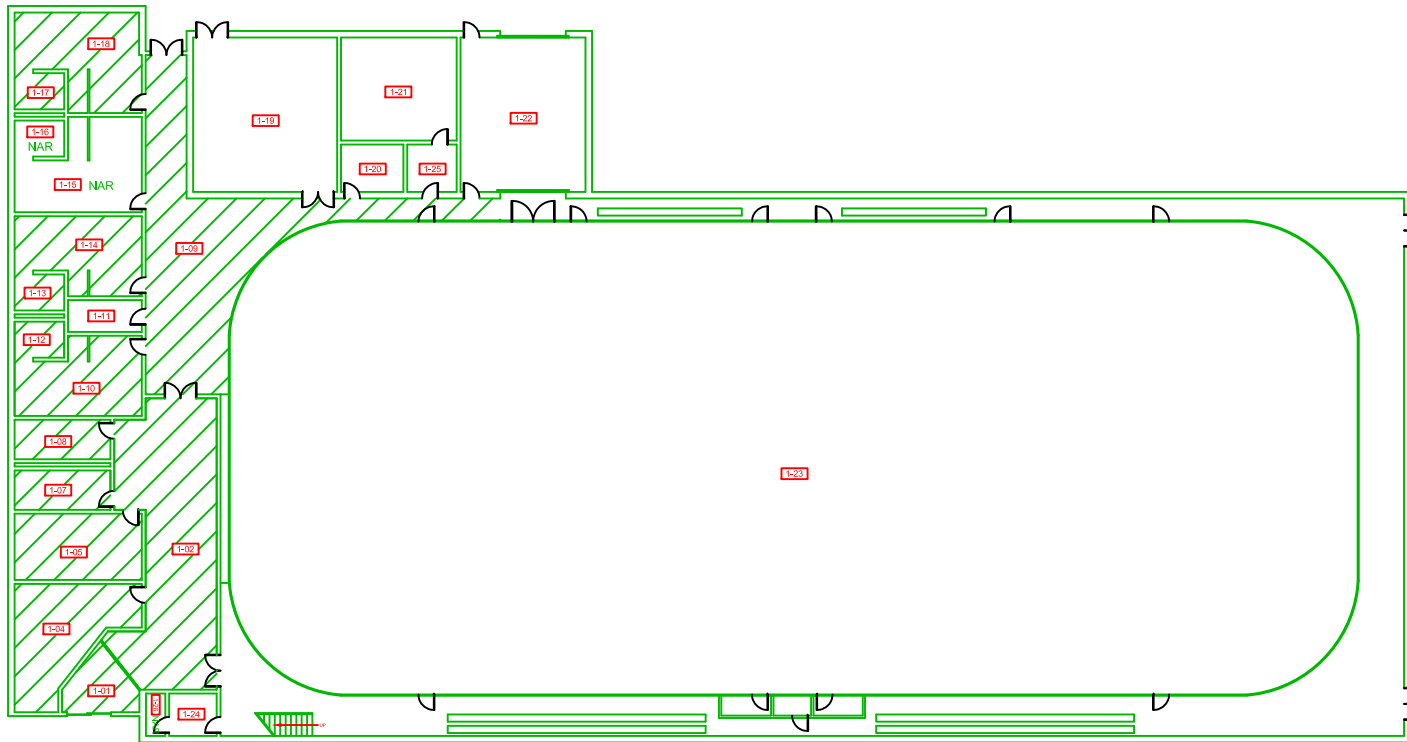
(NO INFORMATION TO REPORT)

APPENDIX III

CORRECTIVE ACTIONS INSPECTION REPORTS

(NO INFORMATION TO REPORT)

APPENDIX IV
SURVEY DRAWINGS



Legend



Confirmed Asbestos-Containing Material



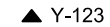
Assumed Asbestos-Containing Material

1-01

Location Number

NAR

No Access to Room



Sample Location

The drawing does not illustrate locations of drywall joint compound, plaster, window caulking or roofing materials, for reasons discussed in Section 6 of the Standard Operating Procedure for Asbestos Reassessment Surveys. Please refer to the Asbestos Reassessment Survey Form in Appendix I for information regarding the locations and asbestos-content of these materials.

Figure 1

LOCATION:

40 Rossmore Road
Toronto, Ontario

BUILDING NAME:

William H. Bolton Arena

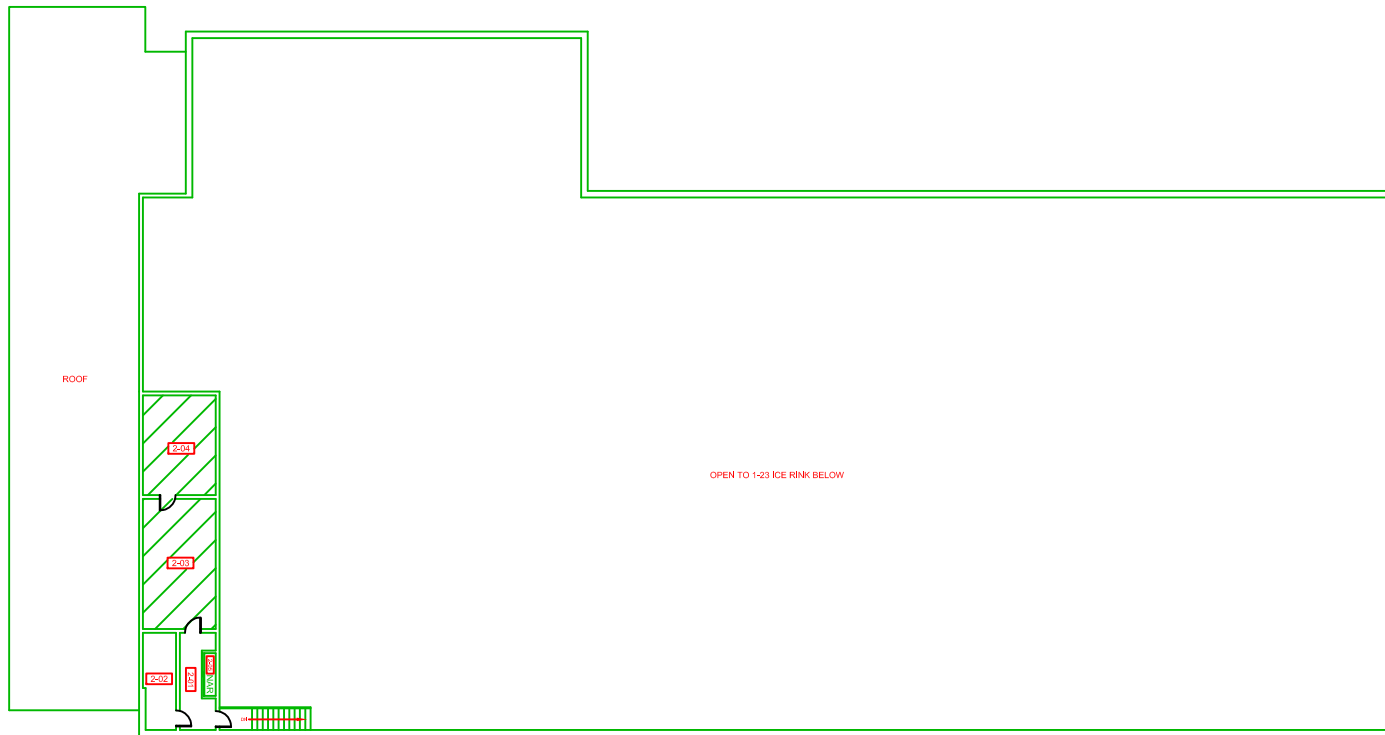
Main Floor Plan Asbestos-Containing Material Locations

CLIENT: PF&R, South District (Toronto / East York)

RVA ID: 309660 DATE: Jan. 2018 DRW BY: BH

CAD FILE: FIG1 SCALE: Not to Scale CHK BY:





Legend



Confirmed Asbestos-Containing Material



Assumed Asbestos-Containing Material

1-01

Location Number

NAR

No Access to Room

▲ Y-123

Sample Location

The drawing does not illustrate locations of drywall joint compound, plaster, window caulking or roofing materials, for reasons discussed in Section 6 of the Standard Operating Procedure for Asbestos Reassessment Surveys. Please refer to the Asbestos Reassessment Survey Form in Appendix I for information regarding the locations and asbestos-content of these materials.

Figure 2

LOCATION:

40 Rossmore Road
Toronto, Ontario

BUILDING NAME:

William H. Bolton Arena

Second Floor Plan Asbestos-Containing Material Locations

CLIENT: PF&R, South District (Toronto / East York)

RVA ID: 309660 DATE: Jan. 2018 DRW BY: BH

CAD FILE: FIG2 SCALE: Not to Scale CHK BY:

