Halifax
Regional Centre for Education

RFP #4269

Site Preparation, Service Disconnection, Relocate and Installation Services
Various Portable Sites throughout Halifax

RFP Closing Date:	**Tuesday, June 13th,2025**
RFP Closing Time:	**2:00 PM (ATL)**
Submission Email:	**hrcetenders@hrce.ca**
3 Portables removed from Fairview	**First week of July 2025**
6 Portables removed from Astral Drive	**First week of July 2025**
Ready-for-Takeover Date (new sites)	**Saturday - August 23, 2025**

HRCE Procurement Contact:
Nancy Rideout, Purchasing Manager
Tel: (902) 464-2000 ext 2222
Email: nrideout@hrce.ca

Operations Contact:
Patrick Ross, Project Manager
Cell: (902)-399-4345
Email: patrick.ross@hrce.ca

School Location:
Various sites with Halifax

Mandatory Site Meeting for Bidders:
Thursday, June 5th
John MacNeil – 09:30 a.m
Bedford South – 10:30a.m
Park West – 11:30 a.m
Fairview – 12:30 p.m
Ridgecliff – 1:30 p.m
Cunard – 2:30 p.m

RFP submissions are to be submitted by email to: hrcetenders@hrce.ca

RFP documents are available for download from the HRCE's Website:
https://www.hrce.ca/about-hrce/financial-services/tenders/tender-listing

In the light of COVID-19 and future pandemics, all vendors are required to follow the guidelines set in place by Nova Scotia Health Authority. Potential risks such as restricted accessibility to schools and buildings of the Halifax Regional Centre for Education (HRCE), inability to complete work on a timely manner due to social distancing, disabled supply chains which will result in delivery delays of raw materials and finished goods, labour shortages and additional storage costs should be clearly communicated with the HRCE Personnel on a timely manner to ensure an amicable solution can be agreed between the HRCE and the vendor/contractor. The HRCE will not be liable for any direct or indirect loss incurred due to a pandemic.

The Terms and Conditions of the RFP Package, including but not limited to the Contract Type and Supplementary Conditions have been modified.

It is the Proponent's Responsibility to review all sections of the RFP prior to submitting a Proposal/Bid.

SECTION 00 00 15 - DESCRIPTION OF WORK & LIST OF DRAWINGS

1. General

1.1.1 The work of this contract includes the following individual scope items outlined below. **Bidders are asked to itemize assumed level of effort, aligned with this tender package and pre-bid site visit findings, in bid submissions.**

1.1.2 Scope 1 - Provision of all materials, labour and equipment necessary to complete pad preparation and service connections from school (power, data, fire, intrusion, PA system, BAS) for the installation of four (4) Portable Classroom units at three schools, including **CUNARD JUNIOR HIGH (2 units), BEDFORD SOUTH ELEMENTARY, and JOHN MACNEIL ELEMENTARY.** Anticipated locations at the schools and generalized scope of work for each location are outlined in the Appendices. Portable Classroom units, equipment, provided by others as per RFP 4268 – Supply Portables. Fire alarm manual pull station, audible and visual alarms (horn and strobe) and emergency lighting above each door, to be supplied and installed connecting back to the main school Fire Panel under this contract.

1.1.3 Scope 2 - Provision of all materials, labour and equipment necessary to disconnect and relocate three (3) existing portable classrooms from Fairview Height Elementary to RIDGECLIFF MIDDLE SCHOOL (2 units) and PARK WEST ELEMENTARY. Disconnect to include removal of contents to temporary storage locations for future re-installation at new locations, disconnection of services from main school, removal of skirting, stairs, landings and ramps, exterior components of portable required for moving, transportation from existing locations to new sites. Installation to include, exterior fit-up compliant with NBCC (cribbing, skirt, two landings, stairs and ramps), connections to the main school (power, data, fire safety system tie back to the main school system as per Scope 1 requirements and site-specific information provided in the supplementary information, intrusion, PA system, BAS) as outlined in the Tender Package and confirmed during pre-bid site visits to each school.

1.1.4 ADDITIONAL ITEM (NOT INCLUDED IN MAIN SCOPE OF WORK) – Disconnection, removal, disposal/re-purpose of existing portables at Astral Drive (6 units) and Hammonds Plain (5 units), including all service disconnection back to tie-in within original school, exterior items required for removal (power connection, heat pump condenser, landings, ramps, stairs, skirt and cribbing. Relocation of furniture to storage in school.

1.2 It is the intent of the Halifax Regional Centre for Education (HRCE) to have all work completed, to the point of Ready-for-Takeover, prior to **August 23, 2025**. It is expected that a timely award of this contract will enable the Contractor to facilitate clear scope review with HRCE and ordering of materials to allow commencement of work soon after contract execution.

1.3 **Removal of three portables from Fairview Heights Elementary must be completed during the first week of July 2025. Similarly, the removal of the six portables from Astral Drive must be completed during the first week in July 2025.** Portable removals are Hammonds Plains will be dependent on projects at this school being completed by others and will likely take place mid-summer

1.4 The whole of the work shall agree in all particulars with the levels, measurements and details contained in the drawings accompanying this specification and with such other drawings or information as may from time to time be supplied by the HRCE or may be supplied by the Contractor and reviewed by the HRCE.

1.5 In relation to the hours of work: Work for the HRCE is to be completed during hours when the schools are unoccupied, unless otherwise authorized in writing by the Project Manager (Operations Contact person) or designate. Hours of work shall comply with the local ordinances and bylaws for each site. (Refer Section 00 41 13, Section 3.7)

2. Drawings

END OF SECTION

SECTION 00 05 00 - LIST OF CONSULTANTS

Owner:

Halifax Regional Centre for Education
33 Spectacle Lake Drive
Dartmouth, NS B3B 1X7

Nancy Rideout, Purchasing Manager
Office: (902) 464-2000 ext 2222
nrideout@hrce.ca

Consultant:

Dillon Consulting Limited
137 Chain Lake Drive, Suite 100
Halifax, NS B3S 1B3

Darren Parker
Office: (902) 450-4000
Dparker@dillon.ca

END OF SECTION

SECTION 00 21 13 – INFORMATION FOR PROPONENTS

Invitation:

1. Proposal Call

1.1. The Halifax Regional Centre for Education (HRCE) will receive offers in the form of a two-file proposal from proponents which is signed and electronically received on or before the date and time specified on the cover sheet of this document. The email address to submit submissions and amendments is **hrcetenders@hrce.ca**. Both files should be submitted in Adobe (.pdf) format. If the electronic submission is larger than 20MB, proponents have the option of sharing files from google drive to **hrcetenders@gnspes.ca.** If you encounter difficulties kindly contact the HRCE Procurement team for further clarification.

1.2. Proposals received after the closing time will not be considered. The HRCE deems the submission date and time to be the email received date and time. Please ensure to allow sufficient time for your submission to be received by the HRCE before the 2pm close. Please consider that large files may require more time.

1.3. Proponents are to submit completed Request for Proposal (RFP) documents by email.

The technical submission electronic file should be named:

"**Technical Submission_4269_Proponent Name**".

The second file (Price Submission) should be named:

"**Price Submission_4269_Proponent Name**".

There must be no reference to the bid price within the technical submission.

Proponents can refer to item 11 in this section for more detailed submission instructions.

1.4. Proposals will be opened at the time indicated on the cover sheet of this document. Public openings are no longer held for any Tenders or RFPs relating to goods, services or construction for the HRCE. **The technical submission will be the only file opened during the RFP closing.** All proposal submissions are subject to evaluation after opening and before award of contract. The successful proponent and award amount will be posted on the Procurement Services website (http://novascotia.ca/tenders/tenders/ns-tenders.aspx) after award.

1.5. Amendments to the submitted offer will be permitted if received by email prior to bid closing and if endorsed by the same party or parties who signed and executed the offer.

If the amendment relates to the technical submission, the electronic file should be named

"Technical Submission Amendment_4269_Proponent Name".

If the amendment relates to the price submission, the file should be named:

"Price Submission Amendment_4269_Proponent Name".

The price amendment file submission should be the signed Price Amendment Form (Section 00 41 73) and shall not disclose either the original or revised total price.

1.6. Bid submissions **will not** be accepted by fax, mail, courier or hand delivery.

2. Intent

2.1. The intent of this Request for Proposals (RFP) is to obtain an offer to perform all work associated with ***RFP #4269,*** **Seven (7) Portable Placements throughout HRM, as previously noted in this RFP** for a Stipulated Price Contract in accordance with the Contract Documents.

2.2. The HRCE will use the CCDC-2, 2020 for this work. A copy of the Standard Construction Contract CCDC 2 – 2020 is available upon request and will form part of the contract documents.

2.3. The HRCE Supplementary General Conditions for the CCDC-2, 2020, applicable to this work is available for review under Section 0073 00 of the RFP document.

2.4. Ready-for-Takeover (RFT) of the project is to be achieved on or before **August 23, 2025**, provided the contract is awarded within fifteen (15) business days after the RFP closing.

2.4.1. If the contract is not awarded within fifteen (15) business days of closing, the Ready-for-Takeover Date will be extended by one (1) business day, for every business day that passes, until the contract has been awarded.

2.4.2. Receipt of the award letter by the successful contractor does not constitute approval to begin work on site.

2.5. The HRCE does not guarantee the award of all areas, phases or any portion thereof.

2.6. The HRCE reserves the right to award individual areas or phases to one contractor or between multiple contractors.

2.7. The HRCE reserves the right to reduce the scope of work if the stipulated bid amount exceeds the budget for the relevant project.

3. Scope of work

3.1. Refer to Section 00 00 15 – Description of Work and List of Drawings and Section 01 11 00 Summary of Work.

Availability

3.2. RFP documents are available for download on the HRCE website: **https://www.hrce.ca/about-hrce/financial-services/tenders/tender-listing**

3.3. RFP documents are made available only for the purpose of obtaining offers for this project. Their use does not confer a license or grant for other purposes.

3.4. The HRCE is not responsible for accuracy of documents obtained from any other source.

4. Examination

4.1. RFP documents are provided to the Construction Association of Nova Scotia (CANS).

4.2. Upon receipt of RFP documents, proponents are to verify that documents are complete.

4.3. Bidders are responsible to retrieve all RFP documents from the HRCE website and fully review the RFP requirements prior to the preparation of a bid submission.

5. Clarification and Addenda

5.1. Proponents must notify the Purchasing Manager, by email at nrideout@hrce.ca no less than **five (5)** working days before the RFP Closing regarding any questions, omissions, errors or ambiguities found in the documents. If HRCE considers that correction, explanation or interpretation is necessary, an addendum will be posted on the HRCE website.

5.2. Addenda will be issued no less than three (3) business days before the RFP closing date and will form part of the Contract Documents.

5.3. All RFP information must be confirmed by written addenda. The HRCE and its representatives shall not be bound by or be liable for any representation or information provided verbally. Information obtained by any other source is not official and will not bind the HRCE.

5.4. Proponents are to complete Price Submission Form (section 00 41 13) acknowledging each addendum that was issued.

5.5. Where the HRCE publishes an Addendum modifying the terms of the posting documents, or changing the Project or Contract Documents in any manner, the HRCE shall not be liable for any expense, cost, loss, or any form of damage or damages incurred or suffered; whether directly or indirectly, by any Supplier or any other person in connection with or in any way relating to or resulting from the publication of an Addendum, regardless of whether the publication occurs prior to or after a Supplier has submitted their bid submission.

5.6. All Addenda issued by HRCE shall be become part of the Contract Documents, unless specifically excluded from the Contract Documents in writing. Addenda shall be allowed for in determining the total contract price.

6. Product/System Options

6.1. Alternatives to specified products and systems will only be considered during the bidding period in the manner prescribed below.

6.1.1. Where the RFP documents stipulate a particular product, alternatives may be considered by the Consultant up to five (5) working days before the RFP closing date and time. Bidders must forward their written requests by email to nrideout@hrce.ca. Requests will be forward to the appropriate person(s) for review.

6.2. The submission must provide sufficient information to enable the Consultant to determine acceptability of such products. Request for an alternate product/system must be accompanied with:

6.2.1. information about how the request affects other work in order to accommodate each alternate.

6.2.2. the dollar amount of additions to or reductions from the Price Submission, including revisions to other work.

6.2.3. A later claim by the bidder for an addition to the contract price because of changes in work necessitated by use of alternates shall not be considered.

6.3. When a request to substitute a product is made and pursuant to consultation with the Consultant, HRCE may approve or disapprove the substitution. The bidder making the request will be notified of the HRCE's decision and if the alternate is approved, the HRCE will issue an addendum.

6.4. Alternates must be submitted in the above manner; otherwise, they will not be accepted.

7. Mandatory Bidders' Site Meeting (Site Assessment)

7.1. Bidders will be deemed to have familiarized themselves with the existing project site, working conditions and all other conditions which may affect performance of the Contract. No plea of ignorance of such conditions as a result of failure to make all necessary examinations will be accepted as a basis for any claims for extra compensation or an extension of time.

7.1.1. A mandatory bidders' site meeting has been scheduled as per the information on the cover sheet of this document. All bidders are required to attend. Representatives of HRCE and the Consultant will be in attendance.

7.1.2. Bidders must register their presence with the HRCE stating the name of the contractor they represent. Failure to attend and register will lead to non-acceptance of the proposal by HRCE. HRCE recommends that interested bidders ensure that their proposed subcontractors attend the mandatory site meeting.

8. Bidders Registration

8.1. The successful contractor and sub-contractors must comply with the Nova Scotia Corporations Registration Act and/or Partnerships and Business Name Registration Act, or equivalent, before a contract is awarded.

9. Qualifications (Subcontractors/Other Tradespersons/Individuals)

9.1. Bidders are fully responsible to the HRCE for the acts/omissions of subcontractors and of persons directly or indirectly employed or retained by them. Nothing contained in the contract documents shall create any contractual relation between any subcontractor and the HRCE. Subcontracting the contract shall not relieve the Bidder from any contractual obligations.

9.2. Bidders must provide subcontractors with a copy of the RFP documents making subcontractors aware that the HRCE is not responsible for any payments to subcontractors, and that all actions, directions or claims are solely between the bidder and the subcontractor.

9.3. The Contract, or any portion thereof, shall not be assigned nor sub-contracted without the prior written approval of HRCE, which approval may be withheld in the HRCE's sole discretion. When sub-contracting, successful bidder(s) must be prepared, if requested, to provide copies of billings from subcontractors.

9.4. Successful bidder(s) shall only use additional subcontractors during the course of the contract with the prior written approval of the HRCE.

9.5. The successful bidder(s) shall not re-assign the role of Project Manager to another individual other than the proposed Project Manager as indicated in the technical submission, without prior written approval from the HRCE.

9.6. The successful bidder(s) shall at all times enforce strict discipline and good order among their employees and subcontractors and shall avoid any unfit person or any person not skilled in the work assigned to the employee.

9.7. HRCE reserves the right to reject a proposed sub-contractor for a reasonable cause.

9.8. Refer to GC 3.6 of CCDC-2020.

10. PROPOSAL SUBMISSION

10.1. RFP Proposal Package - A complete proposal package is comprised of the elements below:

10.2. Technical Submission and Price Submission - General

10.2.1. Each proposal shall include a signed technical submission file and a signed price submission file, clearly labelled as previously instructed in Section 00 21 13, item 1.3.

10.2.2. Both the Technical Submission files, and the separate Price Submission file, shall be submitted simultaneously.

10.2.3. The Technical Submission file contents must not contain any reference to the bid price being offered for this project.

10.2.4. The email subject line or body must identify the name of the proponent/company and the RFP name and number.

10.2.5. Proponents shall be solely responsible for the delivery of their proposals in the manner and time prescribed.

10.3. Technical Submission Contents

10.3.1. Technical submissions shall be submitted in a legible format, not to exceed 20 pages. Submissions will be on the proponent's letterhead and shall contain an authorized signature. Proposals shall be submitted in English and shall be specifically prepared to meet the requirements of this project.

Total RFP Scoring:

Phase A – Technical Score	30 Points
Phase B – Pricing Score	70 Points
Phase C - Total RFP Score	100 Points

The technical submission response shall be organized into four sections:

Section I.	**Project Experience and References**
Section II.	**Team Composition**
Section III.	**Management of Project Specific Risk**
Section IV.	**Schedule of Work**

I.PROJECT EXPERIENCE AND REFERENCES.

The proponent is required to provide a detailed summary of their company's experience within the past sixty (60) months, by describing three (3) similar projects involving site civil work, portable/temporary building service disconnection and reconnection, and portable moving for an educational/commercial institution.

These projects should be within a 100 km radius of the Halifax Regional Municipality. These projects should be similar in nature, complexity and value to the requirements specified in this RFP (see Section 00 00 15).

If a proponent has completed projects for the HRCE, they are required to include <u>the two most recent HRCE projects</u> in this section (regardless of the date completed). It is the bidder's responsibility to source HRCE project information requested in this section.

Please note if the proponent fails to include relevant HRCE projects, this will negatively impact their technical score. **If a proponent has not completed prior work (at any time) for the HRCE, then they may select projects of their choosing within the other stipulated parameters.**

> For each of the three projects listed, the proponent is asked to provide:

1) the company name,
2) a brief description of the project,
3) the name of the project manager,
4) the dollar value of the project.
5) A reference contact name and title for this project, and
6) their email and phone number.

For HRCE projects, please provide the HRCE Project Manager's name; prior consent is not required.

Please ensure that non-HRCE references are aware they will be contacted, and that prior consent to be a reference was obtained.

RFP Scoring for this section:

SECTION I. PROJECT EXPERIENCE, BASED ON REFERENCE FEEDBACK		
Project 1	Project met budget and schedule.	**2.00**
	Good quality work and product.	**1.00**
	Well managed project and good communications.	**2.00**
	Total Points Available for this Project	**5.00**

Project 2	Project met budget and schedule.	**2.00**
	Good quality work and product.	**1.00**
	Well managed project and good communications.	**2.00**
	Total Points Available for this Project	**5.00**

Project 3	Project met budget and schedule.	**2.00**
	Good quality work and product.	**1.00**
	Well managed project and good communications.	**2.00**
	Total Points Available for this Project	**5.00**

Total Points Available for Section I.	**15.00**

II.TEAM COMPOSITION.

The proponent is required to identify the key personnel who will be assigned to this project, these key personnel must remain with the project until completion. Please provide each employee's name, title/role, and years of related experience.

Proponents are required to provide a detailed resume for the proposed Project Manager outlining professional qualifications and years of experience.

Please indicate the percentage of their time that will be committed to this project.

An ***example*** of a time commitment for this project could be:

Commitment	Key Personnel
100%	Foreman
50%	Site Supervisor
20%	Project Manager

RFP Scoring for this section is:

SECTION II. TEAM COMPOSITION	Score
Does the Project Manager have a minimum of 3 years of relevant experience?	2.00
Was a listing of key team members provided?	1.00
Was the percentage of commitment indicated and adequate?	2.00
Total Points Available for Section II.	5.00

III.MANAGEMENT OF PROJECT SPECIFIC RISK

Proponents shall identify a minimum of three (3) risks associated with this specific project. Risks that their company could be faced with related to the scope of work for this project. Proponents shall state the risk, risk mitigation strategy, responsible parties, and the impact to schedule or budget.

An example of a Project Specific Risk could be:

Risk Register Example			
Risk	**Mitigation**	**Responsibility**	**Impact**
Specified materials have long lead times.	1. Expedite delivery if available. 2. Source alternative equivalent materials that are readily available.	Contractor. Client and Consultant approval required.	Expedited delivery or alternative materials may increase cost and impact budget. Without mitigation the schedule will be impacted.

Standard safety risks covered by Safe Work Practices are not to be referenced here. The HRCE is looking for assurances that risks identified through the mandatory site meeting are identified and will be mitigated, and that potential delays or other risks are disclosed in the proposal.

RFP Scoring for this section is:

SECTION III. MANAGEMENT OF RISKS ASSOCIATED WITH THIS SPECIFIC PROJECT	Score
Did the proponent detail the 3 Project Specific Risks with mitigation strategies?	3.00
Are risk management responsibilities clearly identified and assigned?	1.00
Were appropriate risk impacts provided for the 3 stated risks?	1.00
Total Points Available for Section III.	5.00

IV.SCHEDULE OF WORK

Please provide a Gantt Chart that includes an appropriate amount of detail around the planning and scheduling needs for this project. The Gantt Chart should contain all the key activities and align with the work schedule. A successfully prepared Gantt Chart provides a clear visual representation of how the project and required tasks will be completed.

If the Ready for Takeover Date cannot be met, please communicate this to procurement as an RFI well before RFP close.

The HRCE expects to award this work within 15 days of close. Please ensure that the proposed schedule of work aligns with that timeframe.

RFP Scoring for this section is:

SECTION IV. SCHEDULE OF WORK	Score
Does the Gantt Chart include all required components? Is the schedule reasonable?	2.00
Does the schedule indicate project completion *before* the Ready for Takeover date? *If the Ready for Takeover date cannot be met, please submit a RFI prior to RFP close.*	3.00
Total Points Available for Section IV.	5.00

10.4. Price Submission Contents

11.4.1 The Price Submission is to be submitted on the forms provided by the HRCE (Section 00 41 13 – Price Submission Form). These forms are to be completed in full, with an authorized signature and corporate seal as applicable. The completed form shall be without interlineations, alterations or erasures.

Proponents are advised that the HRCE may request original documents be sent to the HRCE office for further review. Price submissions sent by fax, mail or hand delivered will not be accepted.

11.4.2 The pricing details are to be clearly indicated. The total contract price in both numbers (dollars and cents) and written words must be entered. Should there be a discrepancy between the two, the written words shall prevail.

10.4.1. The executed pricing offer is to be submitted on the forms **together with a scanned copy of the required bid security** by email.

10.4.2. Improperly completed information, and/or irregularities in the bid security, may be cause to declare the submission non-compliant.

The omission of bid security from the bid submission will result in the submission being deemed as non-compliant (Refer Section 14.1.10).

10.5. Proposal Evaluation

10.5.1. Evaluation Process – Compliant proposals will be evaluated, first during Phase A, and those meeting the minimum qualifying score under Phase A will then be evaluated in Phase B, with a final score determined in Phase C.

Phase A – Technical Score	30 Points
Phase B – Pricing Score	70 Points
Phase C - Total RFP Score	100 Points

10.5.2. Proposals that do not meet the minimum qualifying score for Phase A will not be given further consideration.

10.5.3. Proposals will be evaluated and scored by an evaluation team comprised of a minimum of three (3) representatives of the HRCE. The degree to which a proposal meets the proposal requirements will be determined at the sole discretion of the HRCE evaluation team.

10.5.4. Phase A – Technical Submission – The Technical Submission for compliant proposals will be evaluated using the evaluation criteria set out in the table below. Scores will be recorded for each criterion (rounded to two (2) decimal points) and a total qualifying score will be determined.

Refer 11.3.1	Phase A - Evaluation Criteria Technical Submission	Score
Section I.	Project Experience and References	15.00
Section II.	Team Composition	5.00
Section III.	Management of Project Specific Risks	5.00
Section IV.	Schedule of Work	5.00
Total Phase A - Potential total score - Technical Submission		30.00
	Minimum score needed to pass technical	15.00

A minimum qualifying score of 15.00 points is required in Phase A for the proposal to be given further consideration.

All technical submissions that have met the minimum qualifying score will proceed to Phase B - Price Submission.

Technical submissions that score below the minimum qualifying score will not proceed further in the RFP evaluation process.

10.5.5. Phase B - Price Submission - Price Submission files for proponents whose Technical Submission have received fifteen (15.00) points or greater will be opened.

The Price Submission will have a weight of seventy (70.00) points.

Price submissions will be evaluated, and a Phase B score will be assigned to each proponent by using a proximity to lowest price method. In this method, proponents will be awarded points based on how close their total price submitted compares with the lowest cost of all total submissions.

Price Submissions will be Evaluated based on the Proponent's Lump Sum Price.

For example:
Formula: Price Score = % value of score x (Low bid ÷ Your bid)

Example for calculation: Bid Pricing Received

Company P	Company Q	Company R	Company S	Company T
$115,000	$135,000	$185,000	$165,000	$180,000

Calculation of Pricing Score for Company S:

Phase B Score = 70 points x ($115,000 ÷ $165,000) = 48.79 points

The Total Score (Phase C) will be calculated by adding together Phase A + Phase B scores.

10.5.6. The proponent who has the highest **TOTAL SCORE** (Phase C calculation), will be deemed to be the successful proponent, subject to other provisions herein, including Section 16.5.

Phase A – Technical Score	30 Points
Phase B – Pricing Score	70 Points
Phase C - Total RFP Score	100 Points

11. Conditions of the RFP Process

11.1. Proponents shall take full cognizance of content of all Contract Documents in preparation of their proposal. Section 00 41 13 – Price Submission Form, Subsection 5.0 references a complete list of Contract Documents.

12. Amendment or Withdrawal of Proposals

12.1. Proposal packages may be **withdrawn** from the RFP process in writing by email notification sent to the submission email address, prior to date and time of closing.

12.2. As previously stated in Section 00 21 13, item 1.6 - Amendments to the submitted offer will be permitted if received by email prior to the RFP closing time and if endorsed by the same party or parties who signed and executed the offer. If the amendment relates to the technical submission, it must be labeled "Technical Submission Amendment" along with the RFP number of the project and the company name. If the amendment relates to the price submission, it must be labeled "Price Submission Amendment" along with the RFP number of the project and the company name. The price amendment file must include the signed "Price Amendment Form" (Section 00 41 73).

12.3. A single page Price Amendment Form is provided immediately following the Price Submission Forms (Section 00 41 73).

12.3.1.1. The Price Amendment Form provided is the standard master form for submission of any price amendments for this project.

12.3.1.2. The Price Amendment Form must be copied and completed, as directed, for any price amendments submitted.

12.4. Price amendments shall not disclose either original or revised total price.

13. Proposal Ineligibility (Reason for Rejection)

13.1. HRCE may reject a proposal which has been received prior to the closing time where:

13.1.1. The two file (electronic) system (Technical Submission and Price Submission) is not followed.

13.1.2. The price submission is not submitted on the required forms (Section 00 41 13) included herein.

13.1.3. The proposal is submitted by facsimile or regular mail or hand delivery.

13.1.4. There are omissions of information that the HRCE in its sole discretion deems to be significant.

13.1.5. The technical submission or price submission form is not signed as required.

13.1.6. The proposal has conditions attached which are not authorized by the invitation to bid**.**

13.1.7. The proposal fails to meet one or more standards specified in the invitation to bid.

13.1.8. All addenda have not been acknowledged.

13.1.9. Any other defect which, in the opinion of the HRCE brings the meaning of the proposal into question.

13.1.10. The required bid security is not provided within the Price Submission file.

13.1.11. Proponent failed to attend bidders' mandatory site meeting.

13.1.12. Proponent failed to list relevant HRCE project(s) in their Technical submission.

14. Communications Affecting Bids

14.1. Transmissions, including, but not limited to facsimile transmission:

14.1.1. The technical submission or price submission forms submitted by mail, fax or courier will not be accepted.

15. Right to Accept or Reject any Proposal

15.1. The HRCE reserves the right to reject any proposal in its sole and absolute discretion for any reason whatsoever and the HRCE will not necessarily accept the lowest bid.

15.2. The HRCE specifically reserves the right to reject all proposals if none are considered to be satisfactory in the HRCE's sole and absolute discretion and, in that event, at its option, to call for additional proposals.

15.3. Without limiting the generality of any other provision herein, the HRCE reserves the right to accept or reject any proposal in accordance with item #14 above (Proposal Ineligibility).

15.4. Notwithstanding the above, the HRCE shall be entitled, in its sole and absolute discretion, to waive any irregularity, informality or non-conformance with these instructions in any proposal

received by the HRCE. The HRCE reserves the right to reject any or all proposals, or to accept any proposal, or portion thereof, deemed in its best interest.

15.5. In the event that more than one proponent achieves an identical final total score within two decimal places in Phase C, the HRCE will flip a coin to determine the successful contractor.

15.6. No term or condition shall be implied, based upon any industry or trade practice or custom or in a practice or policy of the HRCE or otherwise, which is inconsistent or conflicts with the provisions contained in these instructions.

16. Right to Cancel Competition/No Award

16.1. Issuing a RFP/RFT implies no obligation on HRCE to accept any submission, or a portion of any submission. The lowest or any RFP/RFT submission will not necessarily be accepted.

16.2. Without limiting the generality of the foregoing, an RFP/RFT may be cancelled in whole or in part by HRCE in its sole discretion, whether before or after the time for RFP/RFT submissions has closed, when:

16.2.1. The RFP/RFT submission price exceeds the funds allocated for the purchase;

16.2.2. There has been a material change in the procurement requirements after the RFP/RFT has been issued;

16.2.3. Information has been received by HRCE after issuance of the RFP/RFT that HRCE believes has materially altered the procurement or the need of HRCE for the procurement; or

16.2.4. There was insufficient competition in order to provide the level of service, quality of goods or pricing required.

16.3. If no compliant RFP/RFT submission is received in response to an RFP/RFT, the HRCE reserves the right to enter into negotiations with one or more suppliers in order to complete the procurement or to reject all Bids and re-issue the RFP/RFT on new or modified RFP/RFT Documents.

16.4. HRCE will be the sole judge of whether there is sufficient justification to cancel any RFP/RFT.

16.5. No action or liability will lie or reside against HRCE in its exercise of its rights under this section

17. Construction Contract Guidelines

17.1. The printed policies of the Nova Scotia Construction Guidelines dated May 18, 2006 (or latest revisions) are applicable to these RFP documents.

18. Submission and Security Forms – Signatures

18.1. All Price Submission forms, bid security forms and performance assurance forms **must** bear the Bidder's original signature and name HRCE as the insured.

19. Bid Security

19.1. Proponents must submit within the sealed Price Submission file, one of the following: bid security in the form of a certified cheque, Irrevocable Letter of Credit, or Bid Bond on CCDC Form 220, in the amount of ten percent (10%) of the Bid Price made payable to or naming HRCE (as obligee). This bid security **must** accompany the Price Submission as an electronic file. HRCE will request an original hard copy from the successful proponent as required.

19.2. Where bid bond is provided as bid security:

19.2.1. The bond must be provided on the standard CCDC Bid Bond Form (latest version) in the amount of not less than ten percent (10%) of the Bid Price.

19.2.2. The bond must be submitted by the general contractor bidder, signed and sealed by the principal (Contractor) and Surety and shall be with an established Surety Company satisfactory to and approved by the HRCE.

19.2.3. The cost of providing the Bid Bond must be included in the Bid Price.

19.2.4. A legible scanned copy of the bid bond or an electronic bid bond shall be submitted with the bid via email. If requested by the HRCE, the vendor will provide the original bid bond without delay.

19.3. Where a certified cheque or a bank draft is provided as bid security:

19.3.1. The certified cheque or bank draft must be endorsed in the name of HRCE, for a sum not less than ten percent (10%) of the amount of the Bid Price.

19.3.2. The cost of providing the certified cheque or bank draft must be included in the Bid Price.

19.4. Where the Irrevocable Standby Letter of Credit is used as bid security:

19.4.1. The letter must be endorsed in the name of HRCE, for a sum not less than ten percent (10%) of the Bid Price

19.4.2. The Irrevocable Standby Letter of Credit shall be issued by a certified financial institution subject to the Uniform Custom and Practices for Documentary Credit (1993 revision or latest revision), International Chamber of Commerce (Publication No. 500).

19.4.3. The cost of providing the letter must be included in the Bid Price.

19.4.4. **A legible scanned copy of the bid bond or an electronic bid bond can be submitted with the bid via email. If requested by the HRCE, the vendor is required to provide the original bid bond without delay.**

19.5. Return of Bid Security:

19.5.1. The bid security of the unsuccessful proponents will be returned to them after the contract has been signed, or previous to such time, at the discretion of HRCE.

19.5.2. If no contract is awarded, all bid security will be returned.

20. Contract Security (Performance Assurance) – Required for contracts valued over $100,000

20.1. The performance assurance forms must bear the bidder's original signature and name HRCE as the insured.

20.2. The successful contractor shall maintain performance assurance in force for a period of not less than twelve (12) months after Ready-for-Takeover is achieved.

20.3. Performance Assurance must be endorsed as specified for bid security.

20.4. Should it become apparent that the final cost of the project will exceed the total amount payable by more than 20%, the bidder shall arrange to have their bonds reissued based on the projected final cost.

20.5. Section 00 72 13 – General Conditions GC11.2 and Section 00 73 00 – Supplementary General Conditions for form of Contract Security. Proponents should reference the project documents for the amount of Contract Security and the alternate type of Contract Security if applicable.

20.6. Performance Assurance must be submitted as one of the following:

20.6.1. Where a Bid Bond was used as bid security:

20.6.1.1. Within ten (10) days after notification of award of the Contract, the successful contractor must provide a Performance Bond and a Labour & Material Payment Bond, each in an amount equal to fifty percent (50%) of the amount of the Contract, naming HRCE.

20.6.1.2. Performance Bond and Labour and Material Payment Bonds, submitted by the bidders, shall be provided at the expense of the bidder and shall be with an established Surety Company satisfactory to and approved by the HRCE.

20.6.2. Where a certified cheque or bank draft is used as Contract Security:

20.6.2.1. The certified cheque or bank draft submitted during the bid period will be cashed and the amount retained by the HRCE shall serve as Performance Assurance**,** including the payment of all obligations arising under the Contract.

20.6.2.2. The value of the certified cheque or bank draft will be retained in lieu of the Performance Bond and Labour and Material Bonds, providing that, at Contract award, the successful contractor shall supplement their certified cheque or bank draft to maintain an amount of ten (10%)

of the total amount payable (Contract Price plus HST) under the contract.

20.6.2.3. The amount remaining will be returned without interest after a period of not less than twelve (12) months after Ready-for-Takeover is achieved.

20.6.2.4. Where certified cheque or bank draft is used as Performance Assurance, the cost of providing the certified cheque or bank draft in the Contract price.

20.6.3. Where an Irrevocable Standby Letter or Credit is used as Contract Security:

20.6.3.1. The Irrevocable Standby Letter of Credit submitted during the bid period will be retained by the HRCE and shall serve as performance assurance, including the payment of all obligations arising under the contract. The Irrevocable Standby Letter of Credit shall be issued by a certified financial intuition subject to the Uniform Customs and Practices for Documentary Credit (1993 revision) International Chamber of Commerce (Publication No. 500).

20.6.3.2. Where an Irrevocable Standby Letter of Credit is used as Performance Assurance, the cost of providing this letter should be included in the Contract Price. The contractor shall provide to the HRCE documentation throughout the duration of the contract that the Irrevocable Standby Letter of Credit remains in full effect at all times as specified.

20.6.3.3. Upon expiry of the Irrevocable Standby Letter of Credit, a separate Irrevocable Standby Letter of Credit shall be provided for work requiring extended warranties for such amounts as are required by the contract.

20.6.3.4. The Irrevocable Standby Letter of Credit is to be in effect for a period of not less than twelve (12) months after the Ready-for-Takeover is achieved.

21. Insurance

21.1. Proponents shall refer to project documents for the amount of insurance, the duration of coverage and alternate type of insurance; if applicable.

Section 00 72 13 -General Conditions of Contract,

Section GC 11.1 – Insurance, and
Section 00 73 00 – Supplementary General Conditions for form of Insurance.

21.2. The contractor shall carry such insurance as is required to protect the contractor, any sub-contractor, the HRCE, their agents and employees from all claims which may arise from the operations under this contract. The amounts of such insurance shall not be less than 22.3 below.

21.3. The General Contractor shall secure and maintain, at its expense, during the term of the insurance:

21.3.1. Wrap-Up Liability insurance must insure the general contractor(s) and all sub-contractors on this project:

21.3.1.1. including but not limited to, products liability and completed operations, contractual liability, owners and contractors' liability, attached machinery extension endorsement, and independent contractor, for a combined single limit of no less than $5,000,000 (five million dollars) per occurrence.

21.3.1.2. Wrap-Up Liability insurance is to include 24 months (2 years) of completed operations.

21.3.2. Commercial Auto Liability insurance covering all owned, non-owned and hired vehicles for a minimum combined single coverage of $2,000,000 (two million dollars) per occurrence.

21.3.3. Builders Risk: All risks in the amount of the contract Stipulated Bid Price. Insurance requirements as stipulated in the CCDC 2-2020.

21.3.4. Workers' Compensation to meet statuary requirements and/or Employers Liability, with limits of not less than $2,000,000 (two million dollars).

21.3.5. Contractors Pollution Liability Insurance limits of not less than $2,000,000 (two million dollars) per occurrence

21.4. Primary Insurance: The Contractor agrees that the insurance as required shall be primary and non-contributory.

21.5. No Limitation: The Contractor is responsible for determining whether the minimum insurance coverage amounts contained in this RFP are adequate to protect its interests. These minimum coverage amounts do not constitute limitations upon Supplier's Liability.

21.6. Endorsements – For the policies in item 22.3 above, there shall contain an endorsement naming the Halifax Regional Centre for Education and its affiliates as Additional Insured, and eliminating and removing any exclusion of liability for:

21.6.1. injury, including bodily injury and death to an employee of the insured or of the Halifax Regional Centre for Education, or

21.6.2. any obligation of the insured to indemnify, hold harmless, defend, or otherwise make contribution to the Halifax Regional Centre for Education because of damage arising out of injury, including bodily injury and death, to an employee of Halifax Regional Centre for Education.

21.7. The Contractor shall provide a certificate of insurance evidencing the above prior to work being performed. The HRCE also requires a complete copy of the Builder's Risk and Wrap-Up Liability policies, in addition to the Certificate of Liability Insurance.

21.8. Furthermore, HRCE must receive, in writing, at least thirty (30) days' notice of cancellation or modification of the above insurances. All insurance policies or certification documents shall specify coverage being applicable to this contract. The Contractor shall not do or omit to do or suffer anything to be done or omitted to be done which will in any way impair or invalidate such policy or policies of insurance.

21.9. Insurance documents (certificate and policies) shall be provided to the Purchasing Department within the timeframe indicated on the award letter. These documents are required before a purchase order will be issued. Work is not authorized and shall not commence until receipt of the purchase order.

22. Proof of Competency of Proponent

22.1. Any bidder may be required to furnish evidence satisfactory to the owner that he and his proposed sub-contractors have sufficient means and experience in the types of work called for to assure completion of the contract in a satisfactory manner.

22.1.1. The successful contractor must be a member in good standing with CRCA, RCANS or NBRCA; and Nova Scotia Construction Safety Association or approved recognized association or program.

22.2. Proposal Signing

22.2.1. The Technical Submission and the Price Submission form must be signed and under seal (as applicable) by a duly authorized signing officer(s) in their normal signatures.

22.3. Contract Time

22.3.1. The bidder, in submitting an offer, agrees to achieve Ready-for-Takeover of the work by the date indicated in the contract documents.

23. Offer Acceptance / Rejection

23.1. Duration of offer

23.1.1. Proposals shall remain open to acceptance and shall be irrevocable for a period of ninety (90) days after the RFP closing date.

23.2. Award/Selection/Acceptance of Offer

23.2.1. In the evaluation of a proposal, HRCE will consider, but not be limited to, the following criteria:

23.2.1.1. Compliance with proposal requirements

23.2.1.2. Proposal Evaluation Criteria as stated in Section 11.5

23.2.2. The Owner's evaluation of any and all proposals will be final

23.3. After acceptance by HRCE, the successful bidder shall be notified in writing of acceptance of the bid by way of an award letter.

24. Agreement

24.1. After acceptance, the HRCE and the successful proponent will enter into a CCDC-2, standard form of contract for the execution of the work.

24.2. A purchase order will be issued to the successful bidder once the contract has been signed and executed.

25. Post Award Submissions

25.1. Upon receipt of the award letter, the successful contractor will provide the following documents within five (05) business days:

25.1.1. A current Certificate of Recognition or Letter of Good Standing - The Contractor will supply a Certificate of Recognition issued jointly by the Workers' Compensation Board of Nova Scotia and an occupational health and safety organization approved by the Workers' Compensation Board of Nova Scotia (such as the Nova Scotia Construction Safety Association). These approved organizations are currently listed

on the Workers' Compensation Board of Nova Scotia website (www.wcb.ns.ca). The contractor shall remain in good standing for the duration of the contract.

The Contractor shall supply the following:

25.1.1.1. Worker's Compensation Coverage – The Contractor shall supply a clearance letter from the Worker's Compensation Board of Nova Scotia, indicating the Contractor is assessed and in good standing;

25.1.1.2. All required contract security and insurance documentation;

25.1.1.3. A completed Schedule of Values (see Section 01 37 00);

25.1.1.4. A completed Safety Plan; and,

25.1.1.5. A detailed listing of subcontractors to be used.

25.1.2. In the event that any such certification during the term of the contract expires, the obligation remains with the Contractor to provide the updated required certificates.

25.1.2.1. The Contractor and subcontractors (if applicable) shall remain in good standing for the duration of the contract.

26. Taxes

26.1. The General Conditions of the Contract state that the Contractor is to pay all Harmonized Sales Tax (HST).

26.2. The HRCE is not exempt from HST. As a result, the aggregate amount of the bid for contracts is subject to HST; however, **prices submitted shall not include HST.**

26.3. The HST payable by the HRCE will be added as a separate item during the processing of progress payments and therefore **HST will not appear as a cost in the aggregate amount of the bid amount.**

26.4. Proponents are advised that they may be eligible to claim an Input Tax Credit (ITC) for a portion of the HST paid in relation to the contract requirement of the Government of Canada.

26.5. Proponents are to note that prices indicated on the Price Submission Form and the amendments to the Price Submission Form shall not include Provincial Sales Taxes, the Federal Goods and Services Tax or the Harmonized Sales Tax.

26.6. Refer to CCDC-2 (Section 00 72 13) and Supplementary General Conditions (Section 00 73 00).

27. Proponent Debriefing

27.1. HRCE will, if requested by a proponent within fifteen (15) days of notice of RFP award, arrange a debriefing for the purpose of informing the bidder why their proposal was not selected. At least two (2) HRCE staff shall attend the de-briefing.

The purpose of the de-briefing will be to discuss the proponent's scoring, answer questions and identify any weak areas in the proponent's submission in order for the proponent to

improve future bid submissions. HRCE will not divulge details contained in any proponent's proposal with other proponents or overall ranking.

28. Purchase Orders

28.1. The purchase order will be issued by the HRCE Purchasing Department once the CCDC-2 Contract Documents have been fully executed by all parties.

29. Invoices

29.1. The purchase order number and HST number shall be noted on any/all invoices related to all work performed under this contract.

29.2. Applications for progress payments should be submitted to HRCE's consultant and cc'd to operations-invoices@hrce.ca as well as HRCE's Project Manager (Operations Contact) identified on the RFP cover page.

END OF SECTION 00 21 13

SECTION 00 41 13 – PRICE SUBMISSION FORM

1. Salutation:

To: **HALIFAX REGIONAL CENTRE FOR EDUCATION**
33 SPECTACLE LAKE DRIVE, DARTMOUTH, NS B3B 1X7
ATTN: NANCY RIDEOUT, PURCHASING MANAGER

For: **#4269 Site Preparation, Service Disconnection, Relocate and Installation Services - Various Portable Sites throughout Halifax**

Organization Name:	
Street Address:	
Email Address:	
Telephone:	
Authorized Signing Authority:	
Position Title:	

2. Proponent Declares:

2.1. That this submission was made without collusion or fraud.
2.2. That the proposed work was carefully examined.
2.3. That the Proponent is familiar with local conditions.
2.4. That Contract Documents and Addenda were carefully examined.
2.5. That all the above were taken into consideration in preparation of this RFP.

3. Proponent Agrees:

3.1. To provide all necessary equipment, tools, labour, incidentals and other means of construction to do all the work and furnish all the materials of the specified requirements which are

necessary to complete the work in accordance with the Contract and agrees to accept, therefore, as payment in full the Lump Sum Price stated in Subsection 6 hereunder.

3.2. The have carefully examined the site of the work described herein; have become familiar with local conditions and the character and the extent of the work; have carefully examined every part of the proposed Contract and thoroughly understand its stipulations, requirements and provisions.

3.3. The have determined the quality and quantity of materials required; have investigated the location and determined the source of supply of the materials required; have investigated labour conditions; and have arranged for the continuous prosecution of the work herein described.

3.4. To be bound by the award of the Contract and if awarded the Contract on this bid price, to execute the required contract within ten (10) days after notice of award.

3.5. They have noted that the Harmonized Sales Tax is excluded from the "Contract Price".

3.6. The Contractor's employees shall always report to the main office of a school, indicate who they are, and state their purpose on site prior to starting any work in the school.

3.7. To the hours of work, defined as: Work for the HRCE is to be completed during hours when schools are unoccupied, unless otherwise authorized in writing by the Project Manager (Operations Contact person) or designate. Hours of work shall comply with local ordinances and bylaws for each site.

3.7.1. No work shall be conducted on weekends or statutory holidays without specific written approval from the Operations Manager or designate.

3.7.2. In the event that work is requested by HRCE during hours when schools are occupied, the work will be limited to work that is not disruptive to the school. There shall be no mechanical removals, no drilling, screwing or torch work during occupied hours without prior written approval from HRCE.

4. Owner Agrees

4.1. To examine this proposal and in consideration, therefore, the proponent hereby agrees not to revoke this bid:

4.1.1. until some other proponent has entered into the Contract with the HRCE for the performance of the work and the supply of the materials specified in the notice inviting proposals; or in the Information to Proponents, or

4.1.2. until ninety (90) days after the time fixed in the Information to Proponents for receiving bids has expired, or

4.1.3. Whichever first occurs; provided, however, that the Proponent may revoke this proposal at any time before the time fixed as indicated in the section 00 21 13, item 13.1.

5. Contract Documents include:

The HRCE will use the CCDC-2, 2020 for this work. A copy of the Standard Construction Contract CCDC 2 – 2020 is available upon request and will form part of the Contract Documents.

The HRCE Supplementary General Conditions for the CCDC-2, 2020 application to this Work is available for review under Section 0073 00 of the RFP document.

5.1.1. Cover Page
5.1.2. Table of Contents – Section 00 00 10
5.1.3. Description of Work & List of Drawings – Section 00 00 15
5.1.4. List of Consultants – Section 00 05 00
5.1.5. Information for Proponents – Section 00 21 13
5.1.6. Price Submission Form – Section 00 41 13
5.1.7. Price Amendment Form (if applicable) – Section 00 41 73
5.1.8. Agreement Between Owner and Contractor (CCDC 2) – Section 00 52 00
5.1.9. Definitions (CCDC 2) – Section 00 52 13
5.1.10. General Conditions of the Stipulated Contract Price (CCDC 2) – Section 00 72 13
5.1.11. Supplementary General Conditions – Section 00 73 00
5.1.12. Specifications of Work (all applicable sections)
5.1.13. Drawing(s) – as applicable
5.1.14. Addenda issued by HRCE
5.1.15. Post Bid Addenda issued by the HRCE, where applicable.
5.1.16. Executed Contract

6. Price Submission - Contract Price:

6.1. The undersigned Proponent, having carefully read and examined the aforementioned Contract Documents prepared by the Consultant, for the Halifax Regional Centre for Education, hereby accepts the same as part and parcel of the Contract herein referred to, and having carefully examined the locality and site of works and having full knowledge of the work required and of the materials to be furnished and used, does hereby propose and offer to enter into a contract to perform and complete, the whole of the said works and provide all necessary labour, plant, tools, materials and equipment and pay all applicable taxes, as set forth and in strict accordance with the Specifications, Drawings and other Contract Documents and to do all therein called for on the terms and conditions and under the provisions therein set forth for the following:

6.2 LUMP SUM PRICE

 # Site Preparation, Service Disconnection, Relocate and Installation Services - Various Portable Sites throughout Halifax School

_____ /100 Dollars ($_____)

(HST Excluded)

Contract Price to be completed in written form on the lines provided above, with cents expressed as numerical fraction of a dollar. Contract price to be completed in numerical form on the line bounded by parenthesis above, with cents expressed as a decimal of a dollar.

Price Submissions will be Evaluated based on the Proponent's Lump Sum Price.

WHERE THERE IS A CONFLICT, WRITTEN WORD WILL GOVERN.

Award will be subject to Budget Availability.

The HRCE reserves the Right to:

Award to one or more contractors who bid.

Accept bids on any or all sections of this work.

Reduce the Scope of Work if the Bid amount Exceeds the Available Budget.

6.3 INDIVIDUAL PRICE – EACH SITE

The lump sum price provided in Section 6.2 represents the total price to complete this project in its entirety. The HRCE acknowledges that there are inherent costs savings and economies of scale achieved when awarding all items to a single bidder.

In the event that partial award is required, please provide pricing per each individual section as listed below. Each price is to include all management costs (administration, mobilization, etc.) as required to perform the entirety of the work for that specific section. The HRCE acknowledges that management costs are higher on a per section basis, compared to management costs associated with all sections priced as one lump sum.

The expectation is that the pricing provided below represents the entire price to complete that specific section, should it be the only section awarded. The pricing provided here will not be used in the calculation of the RFP scoring, see Section 6.2 Lump Sum Price.

Cunard Junior High School - Scope 1

_____ /100 Dollars ($_____)

(HST Excluded)

Bedford South Elementary - Scope 1

_____ /100 Dollars ($_____)

(HST Excluded)

John MacNeil Elementary - Scope 1

_____ /100 Dollars ($_____)

(HST Excluded)

Ridgecliff Elementary – Scope 2

_____ /100 Dollars ($_____)

(HST Excluded)

Park West Junior High – Scope 2

_____ /100 Dollars ($_____)

(HST Excluded)

NOT INCLUDED IN LUMP SUM

Disconnection, removal, disposal/re-purpose of existing portables at Astral Drive (6 units)

_____ /100 Dollars ($_____)
(HST Excluded)

Disconnection, removal, disposal/re-purpose of existing portables at Hammonds Plains (5 units)

_____ /100 Dollars ($_____)
(HST Excluded)

Unit price for disconnection, removal, disposal/re-purpose of one existing portable

_____ /100 Dollars ($_____)
(HST Excluded)

7. Completion Date:

7.1. The proponent agrees to achieve Ready-for-Takeover on or before the following date:

7.1.1.1. **August 23, 2025**

7.1.1.2. The undersigned Proponent agrees, if awarded the Contract, to achieve the Ready-for-Takeover Date providing the contract is awarded within fifteen (15) business days of RFP closing time.

8. Addenda Acknowledgement

We have received and noted the following addenda:

Addendum #	Dated	# of Pages
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Signature * The undersigned Proponent declares that this bid is made without connection to any other person(s) submitting pricing for the same work and is in all respects fair and without collusion or fraud.

RFP #4269 Portable Disconnection, Removal, Reinstallation at various HRM Schools

SIGNATURE:

SIGNED AND DELIVERED
in the presence of:

CONTRACTOR

_____
Company name

_____
Witness

_____
Signature of Signing Officer

_____
Name and Title (printed)

_____
Date

9. Acknowledgement of Student Safety

The Halifax Regional Centre for Education (HRCE) is directly responsible for the safety of its students and staff. Should contractors be required to work in or on school property while children are present, it is a **mandatory HRCE requirement** that contractors assign the work to employees and/or sub-contractors who do not have a criminal record and who are not listed on the Child Abuse Registry. Failure to comply with this requirement may result in immediate contract termination.

The HRCE reserves the right to demand, at any time, during the full term of the project a Criminal Record Check and/or a Child Abuse Registry Check, on any personnel authorized by the Contractor to be on HRCE work/school sites.

By signing below, you are confirming that you understand and will abide by this mandatory HRCE requirement.

_____
Company name

_____ _____
Witness Signature of Signing Officer

_____
Name and Title (printed)

_____
Date

END OF SECTION 00 41 13

SECTION 00 41 73 - PRICE AMENDMENT FORM

RFP #4269

Site Preparation, Service Disconnection, Relocate and Installation Services

Various Portable Sites throughout Halifax

Note: to be completed and forwarded for each Price amendment prior to RFP closing time and date as detailed on the cover sheet of the RFP document and any applicable addenda.

Lump Sum Price Amendment – Section 00 41 13 Price Submission form, Article 6.1. Contract Price

Increase Price by		**Decrease Price By**	
Amount (excluding HST)	**$**	**Amount** (excluding HST)	**$**

It is the Proponent's responsibility to ensure the table above is legible.

Submitted by:

_____

Company Name (please print as it appears on original RFP file)

_____

Authorized Proponent's Name (please print as it appears on Price Submission Form)

_____

Authorized Proponent's Signature

Date

_____

END OF SECTION 00 41 73

SECTION 00 52 00 - AGREEMENT BETWEEN OWNER AND CONTRACTOR
CCDC 2 – 2020

(A copy of Section 00 52 00, Standard Construction Contract CCDC 2 – 2020 (5 pages) is available upon request, otherwise, will form part of the contract sets to the successful bidder)

END OF SECTION 00 52 00

SECTION 00 52 13 - DEFINITIONS
CCDC 2 - 2020

(A copy of section 00 52 13, Standard Construction Contract CCDC 2 – 2020 (2 pages) is available upon request, otherwise, will form part of the contract sets to the successful bidder)

END OF SECTION 00 52 13

SECTION 00 72 13 - GENERAL CONDITIONS

OF THE STIPULATED PRICE CONTRACT

CCDC 2 - 2020

(A copy of section 00 72 13, Standard Construction Contract CCDC 2 – 2020 (22 pages) is available upon request, otherwise, will form part of the contract sets to the successful bidder)

END OF SECTION 00 72 13

SECTION 00 73 00 - SUPPLEMENTARY GENERAL CONDITIONS CCDC2 – 2020

The Canadian Standard Construction Document for Stipulated Price Contract (CCDC 2, 2020 version), Definitions and General Conditions governing same, shall be used by the project. The following Supplementary General Conditions (the "**Supplementary Conditions**") are intended to Supplement or Amend the General Conditions, and where conflicts occur, the Supplementary Conditions shall take precedence.

Where a General Condition or paragraph of the General Conditions of the Stipulated Price Contract is Deleted by these Supplementary Conditions, the numbering of the remaining General Conditions or paragraphs shall remain unchanged, and the numbering of the Deleted item will be retained, unused.

2 ARTICLE A-5 PAYMENT

Change 5.2.1 to delete the letter "s" from the word "rates".

Change 5.2.1(1) to read: "1% per annum above the prime rate."

Delete 5.2.1(2) in its entirety.

Delete 5.2.2. in its entirety.

DEFINITIONS

Add the following defined term to the Definitions:

Submittals

Submittals are documents or items required by the Contract Documents to be provided by the Contractor, such as:

1. Shop Drawings, samples, models, mock-ups to include details or characteristics, before the portion of the Work that they represent can be incorporated into the Work; and

2. As-built drawings and manuals to provide instructions to the operation and maintenance of the Work.

3 GC 1.1 CONTRACT DOCUMENTS

Add to the end of subparagraph 1.1.6.2:

1.1.6.2 Except where the Consultant shall be indemnified as a third party beneficiary as provided in subparagraphs 9.2.7.4, 9.5.3.4 and in 13.1.1.3.

Add subparagraph 1.1.4.1:

1.1.4.1 Notwithstanding GC 1.1.4, should one or more conflict exist between Contract Documents and any work is done without consulting the Consultant for correction, Additional information, or a finding, the Contractor shall assume full and sole responsibility for any Additional costs incurred related to the conflict(s).

4 GC 2.4 DEFECTIVE WORK

Add new subparagraphs 2.4.1.1 and 2.4.1.2:

2.4.1.1 The Contractor shall rectify, in a manner acceptable to the Owner and the Consultant, all defective work and deficiencies throughout the Work, whether or not they are specifically identified by the Consultant.

2.4.1.2 The Contractor shall prioritize the correction of any defective work which, in the sole discretion of the Owner, adversely affects the day to day operation of the Owner.

5 PART 3 EXECUTION OF THE WORK

6 GC 3.1 CONTROL OF THE WORK

3.1.3 Prior to commencing individual procurement, fabrication, and construction activities, the Contractor shall verify, at the Place of the Work, all relevant measurements and levels necessary for proper and complete fabrication, assembly and installation of the Work and shall further carefully compare such field measurements and conditions with the requirements of the Contract Documents. Where dimensions are not included or contradictions exist, or exact locations are not apparent, the Contractor shall immediately notify the Consultant before proceeding with any part of the affected work.

3.1.4 The Contractor shall make all reasonable efforts to ensure that the Work is carried out in a continuous manner. The Contractor shall not knowingly permit Construction Equipment and/or Products to be stored at the Place of Work when they are not being used in connection with or implemented into the Work, except in accordance with paragraph 3.7.7.1.

7 GC 3.6 SUBCONTRACTORS AND SUPPLIERS

Add the following paragraph 3.6.7:

3.6.7 A copy of the agreement between Contractor and any subcontractor(s) shall be provided to the Owner and the Consultant, if so requested.

8 GC 3.7 LABOUR AND PRODUCTS

Add the following paragraph 3.7.4:

3.7.4 The Contractor is responsible for the safe on-site storage of Products and their protection (including Products supplied by the Owner and other contractors to be installed under the

Contract) in such ways as to avoid dangerous conditions or contamination to the Products or other persons or property and in locations at the Place of the Work to the satisfaction of the Owner and the Consultant. The Owner shall provide all relevant information on the Products to be supplied by the Owner.

Add the following paragraph 3.7.5:

3.7.5 The Contractor shall confine Construction Equipment, Temporary Work, storage of Products, waste products and debris, and operations of employees and Subcontractors to limits indicated by laws, ordinances, permits, or the Contract Documents and shall not unreasonably encumber the Place of the Work.

Add the following paragraph 3.7.6:

3.7.6 The Contractor shall maintain the Work in a safe and tidy condition and free from accumulation of waste products and debris.

Add the following paragraphs 3.7.7.1 and 3.7.7.2:

3.7.7 .1 The Contractor shall not permit Products or Construction Equipment to be stored at the Place of Work unless:

(i) the Products and/or Construction Equipment are used within fourteen (14) days of their arrival at the Place of Work; or

(ii) the Owner provides written permission for Products and/or Construction Equipment to be stored at the Place of Work, in which case the Contractor shall comply with the written instructions provided by the Owner in that regard, and said permission may be withdrawn by the Owner upon five (5) business days' notice, in which case the Contractor will be solely responsible for any costs, losses, or damages the Contractor incurs in connection the withdrawal of said permission;

.2 Notwithstanding any other provision of the Contract Documents, and subject only to the provisions of any Payment Legislation, the Owner shall not be liable to pay any amount greater than 25% of the actual cost of any Products and/or costs associated with Construction Equipment that is/are stored at the Place of Work and not used within 14 days of their arrival at the Place of Work. The Owner shall only become liable to pay for the remainder of said Products and/or costs of said Construction Equipment after those Products and/or Construction Equipment are actually used at the Place of Work and is/are invoiced in accordance with the terms of the Contract Documents.

Add the following paragraphs 3.7.8.1., 3.7.8.2, 3.7.8.3, and 3.7.8.4:

3.7.8 The Contactor shall:

.1 furnish competent and adequate labour and staff, who shall be in attendance at the Place of Work at all times, as necessary, for the proper administration, co-ordination, supervision, and superintendence of the Work;

.2 organize the procurement of all Products and Construction Equipment so that labour and staff will be available at the requisite times to complete the Work in accordance with GC 3.4 Construction Schedule;

.3 keep an adequate force of skilled workers at the Place of Work, as necessary, to complete the Work in accordance with all requirements of the Contract Documents and in accordance with GC 3.4 Construction Schedule; and

.4 provide the Owner, Project Manager, and Consultant, with the names, work addresses, and telephone numbers of the appointed representative of the Contract and other responsible field persons who may be contacted during non-working hours.

9 GC 3.8 SHOP DRAWINGS AND OTHER SUBMITTALS

Add the words "AND OTHER SUBMITTALS" to the Title after SHOP DRAWINGS in GC 3.8.

Add "and Submittals" after each instance of the words "Shop Drawings" in paragraphs 3.8.1, 3.8.2, 3.8.3, 3.8.3.2, 3.8.5, 3.8.6, and 3.8.7.

Add the following paragraph 3.8.1.1:

3.8.1.1 Prior to the first application for payment, the Contractor and the Consultant shall jointly prepare a schedule of the dates for submission and return of Shop Drawings and any Submittals.

Add the following subparagraph 3.8.4.1:

3.8.4.1 The following paragraph shall apply to each Shop Drawing and Submittal reviewed in connection with the project. The Consultant's review conducted pursuant to GC 3.8.3 shall not imply that the Consultant has approved the detailed design inherent in the Shop Drawings or Submittals, responsibility for which shall remain with the Contractor submitting same. The Contractor is responsible for information that pertains solely to fabrication processes or to techniques of construction and installation, and for coordination of the work of all sub trades.

Delete the following words in paragraph 3.8.7:

3.8.7 "with reasonable promptness so as to cause no delay in the performance of the Work" and replace those words with: "within ten (10) working days or such longer period as may be reasonably required".

Add new GC 3.9 as follows:

10 GC 3.9 CONTRACTOR RESPONSIBILITY FOR WATER TIGHTNESS

GC 3.9 The Drawings and Specifications are not intended to depict each and every condition or detail of construction. As the knowledgeable party in the field, the contractor is in the best position to verify that all construction is completed in a manner which will provide a watertight structure.

The contractor has the sole responsibility for ensuring the watertight integrity of the structure.

Add new GC 3.10 as follows:

11 GC 3.10 PERFORMANCE BY CONTRACTOR

GC 3.10 In performing the Work and all its services and obligations under the Contract, the Contractor shall exercise a standard of care, skill and diligence that would normally be provided by an experienced and prudent contractor supplying similar services for similar projects. The Contractor acknowledges and agrees that throughout the Contract, the Contractor's obligations, duties and responsibilities shall be interpreted in accordance with this standard. The Contractor shall exercise the same standard of due care and diligence in respect of any products, personnel, or procedures which it may recommend to the Owner.

The Contractor further represents, covenants and warrants to the Owner that:

1. The personnel it assigns to the Project are appropriately experienced;

2. It has sufficient staff of qualified and competent personnel to replace its designated supervisor and project manager, subject to the Owner's approval, in the event of death, incapacity, removal or resignation.

12 GC 4.1 CASH ALLOWANCES

Delete paragraph 4.1.7 in its entirety and substitute:

4.1.7 At the commencement of the Work, the Contractor shall prepare for the review and acceptance of the Owner and the Consultant a schedule indicating the times, within the construction schedule referred to in GC 3.4, at which items called for under cash allowances and items that are specified to be purchased by the Owner and installed or hooked up by the Contractor are required to be at the Place of the Work to avoid delaying the progress of the Work.

Add new paragraph 4.1.8:

4.1.8 The *Owner* reserves the right to call, or to have the Contractor call, for competitive bids for portions of the Work, to be paid for from cash allowances.

13 GC 5.1 FINANCING INFORMATION REQUIRED OF THE OWNER

Delete section GC 5.1 in its entirety.

14 GC 5.2 APPLICATION FOR PROGRESS PAYMENT

Add to paragraph 5.2.1, ", the Project Manager, " after the word "Owner".

Add the following at the end of paragraph 5.2.2:

5.2.2 Such applications shall be accompanied by one or more of the following documents: a Statutory Declaration, Waiver of Lien, or receipt, stating that the holdback monies claimed have been paid to the particular party or parties so named or referred to therein. The form of the Statutory Declaration, Waiver of Lien, or receipt shall meet the approval of the Consultant.

Add the following paragraph 5.2.9:

5.2.9 The reference to payment for Products delivered to the Place of the Work in Article 5.2.8 shall not be construed as covering day-to-day financing of the Project. Products delivered to the Place of the Work shall be construed to mean major items of equipment or quantities of items that are essential for the expedient conduct of the Work.

Add the following paragraph 5.2.10:

5.2.10 The Contractor shall submit all applications for payment and invoices (with supporting documents as required by the Contract Documents) to the Owner via the following email address: operations-invoices@hrce.ca.

15 GC 5.3 PAYMENT

Supplement paragraph 5.3.1 by adding the following:

5.3.1 A holdback percentage of ten (10) percent (%) shall apply to progress payments. The sworn statement by the Contractor for release of holdback monies shall be in the form of a Statutory Declaration meeting the approval of the Consultant. Amounts as certified by the Consultant to rectify deficiency items, or incomplete portions of individual work items, may be retained by the Owner after Substantial Performance has been obtained, pending Total Performance of the work or other authorization for release by the Consultant.

Amend subparagraph 5.3.1.2 as follows:

5.3.1.2 Delete "28" and replace with "30."

16 GC 5.4 SUBSTANTIAL PERFORMANCE OF THE WORK AND PAYMENT OF HOLDBACK

Add the following paragraph 5.4.7:

5.4.7. Before the Contractor submits his application for Substantial Performance of the Work, all Operations and Maintenance Manual materials shall be submitted in accordance with the Contract Documents. The Certificate of Substantial Performance will not be issued until this requirement is met.

Add the following subparagraph 5.4.8:

5.4.8 After the issuance of a certificate of Substantial Performance of the Work by the Consultant, the Contractor shall promptly submit to the Consultant and the Owner (i) a Certificate from a barrister stating that there are no Builders' Liens filed relating to the Work and (ii) a Clearance Letter from the Workers' Compensation Board.

17 GC 5.5 FINAL PAYMENT

Add the following subparagraphs 5.5.1.1, 5.5.1.2, 5.5.1.3, and 5.5.1.4:

5.5.1.1 The Contractor's application for final payment is considered to be valid only when all of the following have been performed:

1. Work has been completed and inspected for compliance with Contract Documents, and the Consultant is satisfied that all the requirements of the Contract have been fulfilled by the Contractor.

2. Defects have been corrected, deficiencies have been completed, and the Place of Work is (i) free of waste products and debris, and (ii) clean and suitable for use or occupancy by the Owner.

3. Equipment and systems have been tested, adjusted and balanced and are fully operational, and written reports as outlined in the Contract Documents have been provided to the Consultant.

4. Certificates required by Utility companies, manufacturer's representative and inspectors have been submitted.

5. Spare parts, maintenance materials, warranties and bonds have been provided.

5.5.1.2 If Work is deemed incomplete by the Consultant, the Contractor shall complete outstanding items and request re-inspection.

5.5.1.3 If, within sixty (60) days after the issuance by the Consultant of the Certificate of Substantial Performance, the Contractor has not corrected all the deficiencies, the Owner will retain sufficient money to cover the cost of completing said deficiencies, as determined by the Consultant, in addition to holding monies retained in accordance with the Contract Documents and subject to the provisions of the Builders' Lien legislation of Nova Scotia.

5.5.1.4 Neither the final certificate nor the payment thereunder, nor any provision in the Contract Documents shall relieve the Contractor from responsibility for faulty material or workmanship which shall appear within a period of one (1) year from the date when Ready-For-Takeover has been attained and the Contractor shall promptly remedy any defects due thereto and pay for any damage to other Work resulting therefrom which shall appear within such period of one year. The Owner shall give notice of observed defects reasonably promptly. This article shall not be deemed to restrict any liability of the Contractor arising out of any law in force in the Province of Nova Scotia.

18 GC 6.2 CHANGE ORDER

Add the following paragraphs 6.2.3, 6.2.4, 6.2.5, 6.2.5, 6.2.6, 6.2.7, and 6.2.8:

6.2.3 All contemplated changes in the work shall be issued by the Consultant on a "Contemplated Change Order" form.

6.2.4 For lump sum pricing, the Contractor shall, upon receipt of the Contemplated Change Order, submit to the Consultant for approval within seven (7) days, a quotation for changes in the work. The Contractor acknowledges that failure to do so will result in foreseeable delay to the approval and payment of changes in the Work and foreseeable Additional costs to the Owner.

6.2.5 Quotation for changes shall be priced in sufficient detail (GC 6.6 applies).

6.2.6 Consultant shall, within five (5) working days, notify the Contractor whether estimates are accepted by Owner or further information is required. Acceptance of the Owner shall be indicated in writing, and a signed copy of the Contemplated Change Order form shall be returned to the Contractor.

6.2.7 The Contractor shall take reasonable measures to stop Work or minimize the Work in areas affected by or related to the contemplated change(s).

6.2.8 For each change in the Work, the Contract Price shall be increased by the net cost of that change in the Work, plus the following mark-ups for all overhead and profits:

a. a 10% mark-up on the direct cost of the net change in the Work for change work performed by the Contractor’s own forces; and

b. a 5% mark-up on the change work performed by Subcontractors.

Credits for reduced or Deleted portions of the Work shall be the actual cost of that Work, without Addition or subtraction of any amount by the Contractor for overhead and profit, and shall be included in the actual cost of the net change.

19 GC 6.3 CHANGE DIRECTIVE

Delete paragraph 6.3.6.3 of GC 6.3 and replace with:

6.3.6.3. The Contractor's percentage fee referred to in paragraphs 6.3.6.1 and 6.3.6.2 shall be calculated and determined applying the following percentage mark-ups for overhead and profit:

a. a 10% mark-up on the direct cost of the net change in the Work for change work performed by the Contractor's own forces; and

b. a 5% mark-up on the change work performed by Subcontractors.

Add to GC 6.3 the following paragraphs 6.3.14 and 6.3.15:

6.3.14 If unit prices are set out in the Contract or subsequently agreed upon, then the unit process alone shall govern in relation to determining the cost of any item for a Change Directive.

6.3.15 Payment of the cost of performing work attributable to a Change Directive shall be made only if and to the extent that the Contractor has taken all reasonable steps to mitigate and minimize the impact of the change and the resulting cost.

20 GC 6.4 CONCEALED OR UNKNOWN CONDITIONS

Add new paragraph 6.4.5:

6.4.5 The *Contractor* confirms that, prior to bidding the *Project*, it carefully investigated the Place of the Work and applied to that investigation the degree of care and skill described in paragraph 3.10, given the amount of time provided between the issue of the bid documents and the actual closing of bids, the degree of access provided to the Contractor prior to submission of bid, and the sufficiency and completeness of the information provided by the Owner. The Contractor is not entitled to compensation or to an extension of the Contract Time for anything which could reasonably have been ascertained by the Contractor by such careful investigation undertaken prior to the submission of the bid.

21 GC 6.5 DELAYS

Delete the period at the end of paragraph 6.5.1 and substitute the following words:

6.5.1 ", but excluding any consequential, indirect or special damages."

Add new paragraph 6.5.6:

6.5.6 If the Contractor is delayed in the performance of the Work by any act or omission of the Contractor or anyone employed or engaged by the Contractor directly or indirectly, or by any cause within the Contractor's control, then the Contract Time shall be extended for such reasonable time as the Consultant may decide in consultation with the Contractor. The Owner shall be reimbursed by the

Contractor for all reasonable costs incurred by the Owner as the result of such delay, including all services required by the Owner from the Consultant as a result of such delay by the Contractor and, in particular, the cost of the Consultant's services during the period between the Ready-for-Takeover date stated in Article A-1 herein (subject to any adjustment in accordance with the Contract Documents) and any later, actual date Ready-for-Takeover is attained by the Contractor.

Add new paragraph 6.5.7:

6.5.7 The Consultant shall not, except by written notice to the Contractor, stop or delay any part of the Work pending decisions or proposed changes.

22 GC6.6 CLAIMS FOR A CHANGE IN CONTRACT PRICE

Add the following to the end of paragraph 6.6.1, deleting the "." after the word "Consultant":

"in no case more than 10 Working Days from the event or series of events giving rise to the claim".

Amend paragraph 6.6.5 as follows:

6.6.5 Add the words "as noted in paragraph 6.6.3" after the words "of the claim" and add the words "and the consultant", at the end.

Add the following paragraph 6.6.7:

6.6.7 If the Contractor claims for an increase in the Contract Price pursuant to this GC 6.6, the amount of any such claim shall be limited to the amount determined in accordance with the methods of quantification set out in paragraphs 6.3.6, 6.3.7, and 6.3.14 of GC 6.3, and the Contractor shall promptly submit a detailed breakdown of all labour, materials, overhead, and profits claimed, including those of Subcontractors. Contemporaneous records are required to support a claim for an increase in the Contract Price, and the Owner retains the right to verify all submitted records through an independent audit. The Owner is not liable for costs not so substantiated. Any mark-up for overhead and profit on the claimed amount under this GC 6.6 shall be limited to the amounts provided for under GC 6.3.6.3, as Amended by these Supplementary Conditions.

23 GC 8.3 NEGOTIATION, MEDIATION, AND ARBITRATION

Add the following paragraphs 8.3.9, 8.3.10, 8.3.11, 8.3.12, 8.3.13, 8.3.14, and 8.3.15:

8.3.9 Within five (5) days of receiving a Notice in Writing requesting arbitration, the party receiving the notice shall give the Consultant a written notice containing:

a. a copy of the Notice in Writing requesting arbitration;

b. a copy of supplementary conditions 8.2.9 to 8.2.14 of this contract, and;

c. a concise description of any claims or issues which the Contractor or the Owner, as the case may be, wishes to raise in relation to the Consultant arising out of the issues in dispute in the arbitration.

8.3.10 The Owner and the Contractor agree that the Consultant may elect, within ten (10) days of receipt of the notice under paragraph 8.3.9, to become a full party to the arbitration under paragraph 8.3.6 if the Consultant:

a. has a vested or contingent financial interest in the outcome of the arbitration;

b. gives the notice of its election to the Owner and the Contractor before the arbitrator is appointed;

c. agrees to be a party to the arbitration within the meaning of the rules referred to in paragraph 8.3.6, and;

d. agrees to be bound by the arbitral award made in the arbitration.

8.3.11 If an election is made under paragraph 8.3.10, the Consultant may participate in the appointment of the arbitrator and, notwithstanding the rules referred to in paragraph 8.3.6, the time period for reaching agreement on the appointment of the arbitrator shall begin to run from the date the respondent receives a copy of the notice of arbitration.

8.3.12 The arbitrator in the arbitration in which the Consultant has elected under paragraph 8.3.10 to become a full party may:

a. on application of the Owner or the Contractor, determine whether the Consultant has satisfied the requirements of paragraph 8.3.10, and;

b. make any procedural order considered necessary to facilitate the Addition of the Consultant as a party to the arbitration.

8.3.13 The provisions of paragraph 8.3.9 shall apply mutatis mutandis to written notice to be given by the Consultant to any sub-consultant.

8.3.14 In the event of notice of arbitration given by the Consultant to a sub-consultant, the sub-consultant is not entitled to any election with respect to the proceeding as outlined in 8.3.10, and is deemed to be bound by the arbitration proceeding.

8.3.15 An application for arbitration shall be accompanied by security in the amount of $1,000 to apply to the cost of arbitration. Any claims of excess costs must be submitted in writing to the Consultant within two weeks of completion or alleged completion of the work. No claims shall be accepted after this date and, also, no claims shall be accepted for disputed work unless the Consultant has been notified as specified.

24 GC 9.1 PROTECTION OF WORK AND PROPERTY

Delete subparagraph 9.1.1.1 in its entirety and substitute the following new paragraph 9.1.1.1:

9.1.1.1 errors or omissions in the Contract Documents which the Contractor could not have discovered applying the standard of care described in paragraph 3.10.

Delete paragraph 9.1.2 in its entirety and substitute the following new paragraph 9.1.2:

9.12 Before commencing any Work, the Contractor shall determine the locations of all underground utilities and structures indicated in the Contract Documents, or that are discoverable by applying to an Inspection of the Place of the Work exercising the degree of care and skill described in paragraph 3.10.

25 GC 9.2 TOXIC AND HAXARDOUS SUBSTANCES

Add in paragraph 9.2.6 after the word “responsible”, the following new words:

9.2.6 Or whether any toxic or hazardous substances or materials already at the Place of the Work (and which were then harmless or stored, contained or otherwise dealt with in accordance with legal and regulatory requirements) were dealt with by the Contractor or anyone for whom the Contractor is responsible in a manner which does not comply with legal and regulatory requirements, or which threatens human health and safety or the environment, or material damage to the property of the Owner and others,

Add in subparagraph 9.2.7.4:

9.2.7.4 “and the Consultant” after “Contractor”:

Add in paragraph 9.2.8 after the word “responsible”, the following new words:

9.2.8 or that any toxic or hazardous substances or materials already at the Place of the Work (and which were then harmless or stored, contained or otherwise dealt with in accordance with legal and regulatory requirements) were dealt with by the Contractor or anyone for whom the Contractor is responsible in a manner which does not comply with legal and regulatory requirement, or which threatens, human health and safety or the environment, or material damage to the property of the Owner or others,

26 GC 9.4 Construction Safety

Add to the end of paragraph 9.4.1:

The Contractor shall be responsible for and ensure the safety of not only the workers, Subcontractors, tradespeople, and Suppliers, and their equipment, but also of all other persons who enter the Place of Work whether during working hours or not, and for that purpose shall erect

such hoardings and signs and shall employ such safety measures as may be necessary to ensure the safety of such persons.

Delete paragraph 9.4.5 and replace with:

The Contractor shall be responsible for the cost to comply with any public health order(s) affecting the performance of the Work issued pursuant to the Health Protection act (Nova Scotia) or pursuant to any similar legislation, whether Federal or Provincial.

27 GC 9.5 MOULD

Add in subparagraph 9.5.3.4:

9.5.3.4 "and the Consultant" after "Contractor"

28 GC 10.1 TAXES AND DUTIES

Add the following paragraph 10.1.3:

10.1.3 The Contractor shall indicate on each application for payment as a separate amount, the appropriate Harmonized Sales Tax the Owner is legally obliged to pay. This amount will be paid to the Contractor in Addition to the amount certified for payment under the Contract. The Contractor's HST registration number must appear on all invoices.

29 GC 10.2 LAWS, NOTICES, PERMITS AND FEES

Delete from the first line of paragraph 10.2.5 the word, "The" and substitute the words:

10.2.5 "Subject to paragraph 3.10, the"

30 GC 10.4 WORKERS' COMPENSATION

Add the following paragraphs 10.4.2, 10.4.3, 10.4.4, and 10.4.5:

10.4.2 The contractor is referred to regulations, as applicable, under the Worker's Compensation Act of Nova Scotia.

10.4.3 The Contractor's registration with the Worker's Compensation Board shall be continuous during the contract. Should registrations be scheduled to expire during the contract period, the Contractor shall submit a copy of its registration renewal one month prior to the expiration of the current certificate.

10.4.4 The Contractor shall furnish evidence of coverage under the Worker's Compensation Act of Nova Scotia and a clearance Certificate providing proof of registration with the Worker's Compensation Board prior to commencement of the Work. (A photocopy of the Contractors registration

certificate is acceptable proof). On-going proof of good standing with the Worker's Compensation Board during the term of the contract is required.

10.4.5 The Contractor shall also maintain a Certificate of Recognition (COR) from a safety audit company recognized by the Workers' Compensation Board, such as the Nova Scotia Construction Safety Association, for the duration of the Contract. The Contractor shall provide a copy of its COR to the Owner and Consultant prior to commencement of the Work and shall provide a copy of its COR to the Owner or Consultant upon request.

GC 11.1 INSURANCE

Delete sentences and replace with the following in subparagraph 11.1.1.1:

11.1.1.1 **Delete**: "General liability insurance shall be maintained from the commencement of the Work until one year from the date of Ready-for-Takeover. Liability coverage shall be provided for completed operations hazards from the date of Ready-for-Takeover on an ongoing basis for a period of 6 years following Ready-for-Takeover" **and replace with**: " General Liability Insurance or Wrap- Up Liability Insurance, (as detailed in the Information to Tenders section under "Insurance Requirements"), shall be maintained from the commencement of the Work until final completion and acceptance of the Work including the making good of faulty work or materials, except that coverage of completed operations liability shall in any event be maintained for twelve (12) months from date of Ready-for-Takeover".

Add the following subparagraphs 11.1.1.1.1, 11.1.1.1.2, and 11.1.1.2.1:

11.1.1.1.1 The general liability insurance to be maintained by the Contractor shall include Commercial General Liability Insurance covering Premises and Operations Liability, elevators, broad form property damage, broad form automobile, owners and contractors protective, blanket contractual, personal injury, completed operations liability contingent employers liability, cross liability clause, non-owned automobile liability, and a 30 day notice of cancellation clause.

11.1.1.1.2 All liability insurance policies shall be written in such terms as will fully protect the Contractor and The Halifax Regional Centre for Education as an Additional named insured.

11.1.1.2.1 Liability coverage of not less than ten million dollars ($10,000,000) is required with regard to operations of owned and non-owned automobiles.

Delete subparagraph 11.1.1.4 in its entirety and insert the following subparagraphs:

11.1.1.4 Broad Form (All Risks) Builders Risk Coverage - Prior to the commencement of any Work the Contractor shall maintain and pay for Broad Form (All Risks) Builders Risk Coverage in the joint names of The HRCE and the Contractor totaling not less than one hundred percent (100%) of the total value of the Work to be done and materials delivered on the site

(contract value), so that any loss under such policies of insurance will be payable to The HRCE and the Contractor as their respective interests appear. The Builders Risk Insurance shall include all materials related to the Work while in transit or at other locations.

11.1.1.4.1 Should a loss be sustained under the Builders Risk Coverage, the Contractor shall act on behalf of The HRCE and Contractor for the purpose of adjusting the amount of such loss with the insurance companies. As soon as such adjustment has been satisfactorily completed, the Contractor shall proceed to repair the damage and complete the Work and shall be entitled to receive from The HRCE in Addition to any sum due under the Contract, the amount at which The HRCE interest has been appraised in the adjustment made with the insurance companies as referred to above, said amount to be paid to the Contractor as the Work of restoration proceeds. Any loss or damage which may occur shall not affect the rights and obligations of either party under the Contract except as aforesaid and except that the Contractor shall be entitled to a reasonable extension of time for the performance of the Work, as The HRCE may decide.

11.1.1.4.2 Upon Ready-for-Takeover being attained, the Contractor's obligation to maintain Builder Risk Insurance shall cease and The HRCE shall assume full responsibility for insuring the whole of the Work against loss or damage.

11.1.1.4.3 "Broad form" property insurance in the joint names of the *Contractor*, the *Owner* and the *Consultant*. The policy shall include as insureds all *Subcontractors*. The Broad form" property insurance shall be provided from the date of commencement of the Work until the earliest of:

11.1.4.3.1 Ten (10) Calendar days after Ready-for-Takeover;

11.1.4.3.2 on the commencement of use or occupancy of any part or section of the *Work* unless such use or occupancy is for construction purposes, habitational, office, banking, convenience store under 465 square meter in area, or parking purposes, or for the installation, testing and commissioning or equipment forming part of the *Work*; and

11.1.4.3.3 when left unattended for more than thirty (30) consecutive calendar days or when construction activity has ceased for more than thirty (30) consecutive calendar days.

Paragraph 11.1.2 is supplemented as follows:

11.1.2 In addition, within seven (7) working days after notification of award or in any event prior to payment of the first progress claim, the Contractor shall submit certified true copies of each insurance policy to the Owner's Contract Authority. Such copies shall be exclusive of information pertaining to premium or premium bases used by the insurer to determine the cost of the insurance. Prior to the commencement of any work, the Contractor shall file with the Owner a certified copy of each insurance policy and certificate required.

Delete 11.1.5 in its entirety and replace with the following:

11.1.5 Insurance contracts shall be procured from and the premiums paid to a resident agent of an insurance Company licensed to underwrite insurance in the Province of Nova Scotia.

Add the following paragraph 11.1.9:

11.1.9 All of the insurance policies shall contain a clause stating that no change in terms and conditions or cancellation may at any time be made without the full knowledge and consent of the Owner.

31 GC 11.2 CONTRACT SECURITY

Add the following paragraphs 11.2.1, 11.2.2, and subparagraph 11.2.2.1:

11.2.1 The Contractor shall, prior to commencement of the *Work* or within the specified time, provide to the *Owner* and the Consultant the *Contract* security specified in the *Contract Documents*.

11.2.2 If the *Contract Documents* require surety bonds to be provided, such bonds shall be issued by a duly licensed surety company authorized to transact the business of suretyship in the province or territory of the *Place of the Work* and shall be maintained in good standing until the fulfillment of the *Contract*. The form of such bonds shall be in accordance with the latest edition of the CCDC approved bond forms, or in such other form as specified by the Owner.

11.2.2.1 "Bonds shall be procured from a Nova Scotia resident agent of an insurance company licensed to do business in Nova Scotia and shall be maintained in good standing and held by the Owner until one (1) year after Ready-for-Takeover.

Add the following paragraph 11.2.3:

11.2.3 If a Certified Cheque is held as contract security it shall be in an amount equal to ten (10) percent (%) of the Contract Price. The Contract shall supplement the Certified Cheque as necessary to maintain the amount equal to ten (10) percent (%) of the total amount payable (Contract Price plus HST).

.1 The Certified Cheque will be deposited at the chartered bank holding The HRCE deposits.

.2 The HRCE will return the cheque amount to the Contractor upon satisfactory completion of the contract and duration as specified in the Tender documents.

.3 Should Contractor default, total amount payable under the Certified Cheque will be the face value of the cheque plus all accrued interest.

.4 Payment for completion of work, due to failure of performance of the Contractor, shall include all reasonable obligations under the Contract, including architectural and engineering costs arising because of the default of the Contractor.

.5 Payment for labour and materials shall be limited to those who have a direct contract with the Contractor for the provision of labour and/or material (which includes equipment rental).

32 GC 12.3 WARRANTY

In paragraph 12.3.2, delete from the first line the word, "The" and substitute the words:

12.3.2 "Subject to paragraph 3.10, the..."

Add the following paragraph 12.3.7:

12.3.7 Warranty repairs or replacements which arise during warranty period which affect the operation of the system shall be attended to immediately upon notification from the Consultant.

33 GC 13.3 INDEMNIFICATION

Add the following paragraph 13.1.1.3:

13.1.1.3 The Contractor shall indemnify and hold harmless the Consultant, its agents and employees from and against claims, demands, losses, costs, damages, actions, suits, or proceeding by third parties that arise out of, or are attributable to, the Contractor's performance of the Contract, provided such claims are attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property, and caused by negligent acts or omissions of the Contractor or anyone for whose acts the Contractor may be liable, and made in writing within a period of six (6) years from t Ready-for-Takeover, or within such shorter such period as may be prescribed by any limitation statute or the province or territory of the Place of the Work.

END OF SECTION 00 73 00

SECTION 01 11 00 - HRCE SUMMARY OF WORK

1. Project Location & General Scope

1.1. Scope: Refer to Section 00 00 15 for scope and schedule information.

2. Contract Documents

2.1. Work will be performed under CCDC-2 contract.

3. General Conditions

3.1. Halifax Regional Centre for Education and CCDC-2 form an integral part of this Project Manual, a copy of which is bound herein.

4. Project Manual

4.1. Sections of the Project Manual are numbered in conformance with the Master List of Section Titles and Numbers, CSC Document 004E, published jointly by Construction Specifications Canada and The Construction Specifications Institute (USA). Sections are arranged in their standard format.

4.2. Sections are written as units of the Work which have been assigned numbers in conformance with the CSC/CSI system. They are arranged in sequence for this Manual. Gaps in the order of numerical sequence do not indicate that a section has been inadvertently omitted from this Manual, but, rather that a Section is not required for completion of the Work.

4.3. Wherever the project location building name occurs in the Contract Documents it shall be taken to mean all work included in the Contract.

4.4. Wherever in the Contract Documents the words "approval", "approved", "direction", "directed", "selection", "selected", "request", "requested", "report", and similar words are used, such approvals, directions, selections, requests and reports shall be given by the HRCE unless specifically stated otherwise.

4.5. Wherever in the Contract Documents the word "provide" is used in any form, it shall mean that the Work concerned shall include both supply and installation of the products required for completion of that part of the Work.

4.6. Wherever in this Project Manual it is specified that Work is to proceed or to meet approval, direction, selection or request of jurisdictional authorities or others, such approval, direction, selection or request shall be in writing.

5. Errors & Omissions

5.1. If errors or omissions are observed in the Contract Documents, immediately notify the HRCE Procurement Contact in writing of all such errors or omissions. In the event no such notice is given, the Contractor will be held responsible for the results of any such error or omission and the cost of rectifying the same.

6. Division 1

6.1. The provisions of all Sections of **Division 1** shall apply to each Section of this Specification**.**

7. Wage Rates

7.1. Pay all employees engaged on the Work a wage not less than the minimum wage per hour as set out by the Province of Nova Scotia. For overtime work beyond 48 hours in any one week, pay no employee at a rate of less than one and one-half times the minimum wage per hour noted above. Provide for these wage rates in tendered contract amount.

8. Work Performed Under Separate Contracts

8.1. Work not to be included in the Contract, as noted "NIC" on the Drawings, shall be governed by Article 37, Separate Contracts, of General Conditions of Contract.

8.2. Furniture installation will be carried out by others.

8.3. Computer installation will be carried out by others.

9. Project Schedule

9.1. Refer to Section 00 00 15 Description of Work.

9.2. Existing site services (mechanical & electrical) will need to be maintained through the program.

9.3. During construction, all life safety systems as well as mechanical and electrical systems must be in active, usable condition to permit the school to operate or alternate methods used to ensure the safe operation of the school as directed by HRCE project representative.

9.4. As construction progresses revise the schedule to compensate for any delays or unforeseen activities so as to maintain the contract completion date. Each schedule submission is to be complete with a statement indicating the changes made, the reason they were changed and confirmation that the project completion date will not change. The above schedule information is to be submitted monthly or more often if necessary.

10. Site Progress Records

10.1. Maintain at site a permanent written record of progress of Work. Make the record available at all times with copies provided when requested. Include in record each day:

10.1.1. Commencement and completion dates of the Work of each trade in each area of Project.

10.1.2. Attendance of Contractor's and Subcontractor's Work forces at Project and a record of the work they perform.

10.1.3. Visits to site by representatives of the Owner, Engineer, jurisdictional authorities, Contractor, Subcontractors, and suppliers.

10.2. Maintain a progress chart in approved format. Show on chart proposed Work schedule and progress of Work by Contractor and Subcontractor.

11. Examination

11.1. Site:

11.1.1. Examine site, and ensure that site conditions have been examined, that all are fully informed on all particulars which affect Work thereon and at the place of construction, and in order that construction proceeds competently and expeditiously.

11.1.2. Ensure by examination that all physical features and working restrictions and limitations which exist are known.

11.2. Previously Completed Work:

11.2.1. Verify dimensions of existing Work in place before construction of Work to be incorporated with it.

11.2.2. Verify that previously executed Work and surfaces are satisfactory for construction, and that performance of subsequent Work will not be adversely affected.

11.2.3. Commencement of Work will constitute acceptance of site conditions and previously executed Work as satisfactory.

11.2.4. Report to Engineer defects in prior Work which will affect quality of subsequent Work, or construction schedule.

11.3. Construction Measurements:

11.3.1. Before commencing Work, verify that its layout is accurate in accordance with intent of Drawings, and that locations, elevations, and clearances to adjacent infrastructure are maintained.

11.3.2. If Work is installed in wrong location, rectify it before other Work concerned proceeds.

12. PROTECTION OF WORK, PROPERTY & PERSONS

12.1. Include in Work necessary methods, materials, and construction to ensure that no damage or harm to Work, materials, property and persons results from the Work of this Contract. Temporary facilities relating to protection are specified in Section 01 52 00.

12.2. Protect, and if damaged make good, adjacent private and public property.

12.3. Keep surfaces, on which finish materials will be applied, free from grease, oil, and other contamination which would be detrimental in any way to the application of finish materials.

12.4. Protect finished surfaces of completed Work from damage by restriction of access or by use of physical means suitable to the material and surface location. Establish with each Subcontractor the suitability of such protection in each case.

12.5. Protect existing underground infrastructure, mechanical, electrical, telephone and similar services from damage. If necessary, relocate active services to ensure that they function continuously in safety and without risk of damage.

12.6. Cap off and remove unused utility services encountered during Work after approval is given by the utilities concerned or jurisdictional authorities, whichever may apply. Relocation, removal, protection and capping of existing utility services shall be performed only by the applicable utility and of other services by licensed mechanics.

12.7. To prevent soiling or damage to finish flooring, install and maintain 6 mil. polyethylene membrane or reinforced kraft paper temporary protection, secured in place and with joints sealed by reinforced pressure sensitive tape.

12.8. Install plywood panels of minimum ¼" thickness over completed finish flooring materials, on which further construction Work is performed by other trades or delivery of products is made, or both. Seal joints between panels with reinforced pressure sensitive tape.

12.9. Prevent spread of dust beyond the construction zone by wetting, or by other approved means, as it accumulates.

12.10. The outside work area shall be appropriately demarked and/or surrounded by rigid chain link panels or fencing (at the cost of the contractor) to prevent unauthorized entry to the work area. Any area of roof having work completed is to be covered below with this fencing approximately 10' from the edge of the building. It is to be maintained at all times throughout the project. All waste disposal bins are to be fenced in using the same type of fencing as indicated above during working hours. After working hours, all waste disposal bins shall be located a minimum of 25 feet from any structure. All workers shall contain their activity to the work site area. Access to the school shall only be allowed as planned in coordination with HRCE Operations and the school administration.

12.11. All security on site shall be coordinated through HRCE using an HRCE preferred vendor.

12.12. The contractor is responsible for the cost of security for all project materials.

12.13. If access to the project site is required inside the building, HRCE will provide security personnel at its own cost.

12.14. The contractor shall keep the work site free from accumulated debris caused by the employees or work and shall remove all debris at the end of each work shift. Debris shall not be deposited in HRCE controlled garbage and/or recycling containers.

12.15. All waste materials and debris created during demolition and/or construction shall be disposed of in a dumpster provided by the contractor, to be removed at the end of the construction project, using a methodology that is in compliance with the applicable HRM solid waste by laws. Otherwise, the material must be removed and disposed of off-site at the end of each working day. The waste materials may not be stored on site unless they are held in an approved project dumpster no closer than twenty five (25) feet from any structure.

12.16. All temporary structures such as portable washroom facilities, materials storage trailer, work trailer, debris dumpster, vehicles, etc., shall be located a minimum of (25) twenty-five feet from the school building.

12.17. Where applicable, a hot work permit will be required to be completed and approved by HRCE prior to commencement of work and all conditions of the permit must be maintained until completion of hot work. A copy of the hot work permit signed by the contractor representative shall be provided to HRCE upon completion of each hot work session. Contractor must assign a designated fire watch as noted on the permit document who shall remain on site for three hours after completion of each hot work session.

12.18. A school washroom will be designated for use where appropriate. However, protection of the surfaces as indicated above must be maintained. It should also be noted that access to the building during summer months will be limited for security reasons. Contractor is responsible to provide temporary portable washroom facilities for general use of contractor staff.

12.19. Access to Interior of School - All interior access is to be scheduled with the PM. This will allow for notice to the school admin., custodial and possible scheduling of a security guard for after hour access.

12.20. Adhesives / Torch Work - All adhesive use and torch work must be completed after school hours. Contractor must assign a designated fire watch as indicated above in 12.17.

13. Cleaning

13.1. Ensure that during and after construction the public streets and existing asphalt parking lot are cleaned as required.

14. Salvage

14.1. Unless otherwise specified, salvaged material resulting from construction, and surplus materials and construction debris shall become property of Contractor, who must dispose of it away from Site.

15. Site Limitations

15.1. All access to the construction site is to be coordinated with the Project Manager for HRCE and communicated at the pre-construction meeting.

15.2. Any Work carried out in the building is to be carried out during hours approved by the School Administration.

15.3. Any disruption to services within the building must occur during hours approved by School Administration.

15.4. Any Work which may have an adverse effect on the occupancy functions, must have prior approval of the School Administration and **may** require scheduling during off-hours.

16. Security Regulations

16.1. Perform Work in conformance to the security regulations of the building as directed by the Project Manager for HRCE.

17. Project Identification

17.1. No project sign is required on this Project.

18. Owner's Occupancy

18.1. The Owner reserves the right to occupy and use portions of the Project, whether partially or entirely completed, or whether completed on schedule or not, provided such occupancy does not interfere with the Contractor's continuing Work.

18.2. Partial occupancy or installation by the Owner of his equipment shall not imply acceptance of the Project in whole, or in part, nor shall it imply acknowledgement that terms of the Agreement are fulfilled.

END OF SECTION 01 11 00

SECTION 01 11 25 - PRICES

1. General

1.1. Prices included in the Contract shall be complete for the applicable Work, and shall include for each price:

1.1.1. Expenditures for wages and for salaries of workmen, engineers, superintendents, draftsmen, foremen, timekeepers, accountants, expeditors, clerks, watchmen and such other personnel as may be approved, employed directly under the Contractor and while engaged on the applicable Work at the site and expenditures for travelling and HRCE allowances of such employees when required by location of the applicable Work or when covered by trade agreements and when approved; provided, however, that nothing shall be included for wages or salary of the Contractor if an individual, or of any member of the Contractor's firm if the Contractor is a firm or the salary of any officer of the Corporation if the Contractor is a corporation, unless otherwise agreed to in writing.

1.1.2. Expenditures for material used in or required in connection with the construction of the applicable Work including material tests and required by the laws or ordinances of any authority having jurisdiction and not included under Subparagraph .9.

1.1.3. Expenditures for preparation, inspection, delivery, installation and removal of materials, equipment, tools and supplies.

1.1.4. Temporary facilities as required for the applicable Work.

1.1.5. Travelling expenses properly incurred by the Contractor in connection with the inspection and supervision of the applicable Work or in connection with the inspection of materials prepared or in course of preparation for the applicable Work and in expediting their delivery.

1.1.6. Rentals of all equipment whether rented from the Contractor or others, in accordance with approved rental agreements including any approved applicable insurance premiums thereon and expenditures for transportation to and from the site of such equipment, costs of loading and unloading, cost of installation, dismantling and removal thereof and repairs or replacements during its use on the applicable Work, exclusive of any repairs which may be necessary because of defects in the equipment when brought to the Work or appearing within thirty (30) days thereafter.

1.1.7. The cost of all expendable materials, supplies, light, power, heat, water and tools (other than tools customarily provided by tradesmen) less the salvage value thereof at the completion of the applicable Work.

1.1.8. Assessments under the Workmen's Compensation Act, the Unemployment Insurance Act, Canada Pension Act, statutes providing for government hospitalization, vacations with pay or any similar statutes; or payments on account of usual vacations made by the Contractor to his employees engaged on the applicable Work at the site, to the

extent to which such assessments or payments for vacations with pay relate to the Work covered by the specified price; and all sales taxes or other taxes where applicable.

1.1.9. The amounts of all Subcontracts related to the specified price.

1.1.10. Premiums on all insurance policies and bonds called for under this Contract as related to the specified price.

1.1.11. Royalties for the use of any patented invention on the applicable Work.

1.1.12. Fees for licenses and permits in connection with the applicable Work. No Building Permit is required for the project.

1.1.13. Duties and taxes imposed on the applicable Work.

1.1.14. Such other expenditures in connection with the applicable Work as may be approved.

1.1.15. Provided always that except with the consent of the Owner, the above items of cost shall be at rates comparable with those prevailing in the locality of the Work.

END OF SECTION 01 11 25

SECTION 01 11 41 - PROJECT COORDINATION

1. Requirements Included

1.1. Each Trade Contractor's responsibilities include the coordination of Work within his own Contract and with the Work of other Contracts.

2. Related Requirements

2.1. Project Meetings: Section 01 31 19

2.2. Submittals: Section 01 33 00

3. Description

3.1. Coordinate Work on which subsequent Work depends to facilitate mutual progress, and to prevent conflict between parts of the work.

3.2. Ensure that each Section makes known for the information of the Construction Manager and other Sections, the environmental and surface conditions required for the execution of its Work, and the sequence of others Work required installation of its Work.

3.3. Ensure that each Section, commencing Work, and that each Section is assisted in the execution of its preparatory Work by Sections depending upon its preparation.

3.4. Deliver materials supplied by one Section to be installed by another well before the installation begins.

3.5. Sections giving installation information in error, or too late to incorporate in the Work, shall be responsible for having Work done which was thereby additionally made necessary.

3.6. Coordinate warranty conditions of interconnected Work to ensure that full coverage is obtained.

3.7. Remove work installed in error which is unsatisfactory for subsequent Work.

4. Cutting And Patching

4.1. Include under Work of this Section all cutting and patching of asphalt required by the Work.

4.2. Finish new surfaces flush with existing surfaces.

4.3. Cut and patch as required making work fit.

4.4. Make cuts with clean, true, smooth edges.

4.5. Patching of existing or new asphalt shall be performed only by workmen with expertise in that particular trade and who normally perform that Trade.

4.6. Replace, and otherwise make good, damaged or defective Work. If required by the Construction Manager.

4.7. Do not endanger Work or property by cutting, digging, or similar activities. No Section shall cut or alter the Work of another Section unless approved by the Section which has installed it.

4.8. Cut and drill with true smooth edges and to minimum suitable tolerances.

4.9. If required, before cutting, drilling, or sleeving structural load bearing elements, obtain approval of location and methods.

4.10. Cutting, drilling and sleeving of Work shall be done only by the Section which has installed it. The Section requiring drilling and sleeving shall inform the Section performing the Work of the location and other requirements for drilling and sleeving. The Contractor shall directly supervise performance of cutting and patching.

4.11. Cutting and Patching for Holes Required by Mechanical & Electrical Work:

4.11.1. Include under Work of Mechanical Divisions cutting or provision of holes up to 8" in diameter and related patching.

4.11.2. Include under Work of this Section holes and other openings required by the work of Mechanical Divisions which are larger than 8" in diameter or least dimension, and chases, bulkheads, furring and required patching. This Section shall be responsible for determination of Work required for holes in excess of 8" diameter or least dimension.

4.11.3. Include under the Work of Electrical Divisions all cutting or provision of holes and related patching for the Work of that Division.

4.12. Include under Work of this Section all other cutting and patching required by the Work except as described in Clause .11 above.

4.13. Patching or replacement of damaged Work shall be done by the Subcontractor under whose Work it was originally executed, and at the expense of the Subcontractor who caused the damage.

4.14. Make patches invisible in final assembly.

5. Quality Assurance

5.1. Requirements of Regulatory Agencies:

5.1.1. Make known and coordinate the requirements of jurisdictional authorities, as made explicit by the Contract Documents, and by representatives of such authorities

5.2. Source Quality Control:

5.2.1. Ensure that Work meets specified requirements

5.2.2. Schedule, supervise and administer inspection and testing as specified in Section 01 45 00.

5.3. Job Records:

5.3.1. Maintain job records and ensure that such records are maintained by subcontractors.

Submittals

5.4. Prepare a Project schedule in accordance with Section 01 33 00, and ensure that all subcontractors and suppliers are aware of the details of this schedule, and progressively of their general compliance with the schedule.

5.5. Become aware of the required submittals specified in each Section, and expedite submission of such submittals so as not to hinder the Project Schedule.

5.6. Review submittals and make comments as specified in Section 01 33 00.

6. Job Conditions

6.1. Ensure that Work proceeds under conditions meeting specified environment and job safety requirements

6.2. Ensure that protection of adjacent property and the Work is adequately provided and maintained to meet specified requirements.

7. Product Delivery, Storage And Handling

7.1. Site has limited spaces for storage, only delivery of materials agreed upon by the Construction Manager will be allowed. Comply with Construction Manager's allocations. Any requirement for modifications to the building in order to allow delivery and storage of the materials to complete this work is the responsibility of the contractor.

7.2. Schedule delivery of products & removal of material with Construction Manager.

7.3. Make available areas for storage of products and construction equipment to meet specified requirements, and to ensure a minimum of interference with progress of the Work and relocations.

7.4. Trade Contractor to provide flag persons, traffic signals, barricades and Flares/lights/lanterns as required to perform the Work and to protect the public.

7.5. Material and Waste - Deliveries and Removals - Must be coordinated to be completed 30 minutes after school dismissal where applicable.

END OF SECTION 01 11 41

SECTION 01 31 19 – PROJECT MEETINGS

1. Pre-Award Meeting

1.1. A Pre-award meeting will be held at which time the following will be addressed:

1.1.1. Owner and HRCE's functions.
1.1.2. The Consultant and the Consultant's functions.
1.1.3. The General Contractor and the General Contractor's functions.
1.1.4. Documentation requirements from the General Contractor.
1.1.5. Obligee for Performance and Payment Bonds from Sub-contractors.
1.1.6. Progress Claims.
1.1.7. CO's & CCO's.
1.1.8. Construction Schedule.
1.1.9. Project Start-up.
1.1.10. Job Meetings.
1.1.11. Superintendent – General Contractor's Representative.
1.1.12. Design / Administration authority.
1.1.13. Owner's Representative.
1.1.14. Special Consultants.
1.1.15. Quality of Workmanship.
1.1.16. Accountability.
1.1.17. Harmonized Sales Tax.
1.1.18. Contract Close-out Documentation.

2. Preconstruction Meeting

2.1. Within fifteen (15) days after award of Contract, arrange a meeting between the Consultant, Subcontractors, Project Superintendents, Inspection and Testing Company Representatives, and representatives of others whose coordination is required during construction.

2.2. Discuss at the meeting the means by which full cooperation and coordination of the participants during construction can be achieved.

2.3. Document the responsibilities and necessary activities of the participants during construction as discussed and distribute to each participant.

2.4. Establish procedures for maintenance and completion of Project record drawings specified in Section 01 77 00.

2.5. Review and establish methods of maintaining life safety and egress for the school occupants. Communicate these methods thoroughly with the School Principal.

3. Progress Meeting

3.1. Invite representatives of HRCE, to attend twice monthly site meetings called by the Contractor during the progress of the Work.

3.2. Inform HRCE of each meeting and of proposed agenda a minimum of five (5) days before meeting.
3.3. Submit proposed schedule of site meetings to Engineer and Owner.
3.4. Record, prepare and distribute minutes of each meeting to HRCE and to each other participant within 72 hours of meeting.
3.5. Ensure that all representatives who attend meetings have the authority to conduct business on behalf of firms they represent.
3.6. Details of Progress Meetings to be discussed at the project start-up meeting.

4. Suggested Agendum (Preconstruction Meeting)

4.1. Distribution and discussion of:
4.1.1. List of major subcontractors and suppliers.
4.1.2. Projected Construction Schedules.
4.2. Critical work sequencing.
4.3. Major equipment deliveries and priorities.
4.4. Project Coordination:
4.4.1. Designation of responsible personnel.
4.5. Procedures and Processing of:
4.5.1. Field decisions
4.5.2. Proposal requests
4.5.3. Submittals
4.5.4. Change orders
4.5.5. Applications for Payment.
4.6. Adequacy of distribution of Contract Documents.
4.7. Procedures for maintaining Record Documents.
4.8. Use of premises:
4.8.1. Office, work and storage areas.
4.8.2. Owner's requirements.
4.9. Construction facilities, controls and construction aids.
4.10. Safety/Tool Box Meetings.
4.11. Security procedures.
4.12. Housekeeping procedures.
4.13. Egress/life safety procedures

5. Suggested Agendum (Progress Meetings)

5.1. Review and approval of minutes of previous meeting.
5.2. Safety meeting minutes.
5.3. Review of work progress since previous meeting.
5.4. Field observations, problems, conflicts.
5.5. Problems which impede Construction Schedule.

5.6. Review of off-site fabrication, delivery Schedules.
5.7. Corrective measures and procedures to regain projected schedules.
5.8. Revisions to Construction Schedules.
5.9. Maintenance of quality standards.
5.10. Pending changes and substitutions and effect on Construction Schedule.
5.11. Other Business.

6. Attend, with representatives of HRCE weekly meetings with the School Administration to review construction activities and concerns of Building Occupants.
7. Quarterly meetings with Contractor and the HRCE / User during Warranty Period including major sub-trade contractors.
8. Dates for meetings will be set at time of completion.

END OF SECTION 01 31 19

SECTION 01 33 00 – SUBMITTAL PROCEDURES

1. General Requirements

1.1. Make submittals specified in this Section to Consultant unless otherwise specified, with additional submissions made, in manner that they direct, to other parties involved with construction of the Project as their interests are concerned. These parties are, but shall not be restricted to, consultants, jurisdictional authorities, and Subcontractors whose Work must be coordinated with Work related to Submittals.

1.2. Ensure that submissions are made to allow sufficient time for review without the construction schedule being delayed.

2. Document Submissions Required

2.1. At Commencement of Contract:

- **2.1.1.** Performance and Payment Bonds.
- **2.1.2.** Public Liability and Property Damage Insurance Certificates.
- **2.1.3.** List of Subcontractors by firm name.
- **2.1.4.** Construction Schedule and other required schedules and estimates.
- **2.1.5.** Site Specific Safety Plan/Safety Policy.
- **2.1.6.** Workers' Compensation Board status.

2.2. During Construction:

- **2.2.1.** Weekly progress reports.
- **2.2.2.** Job meeting reports and minutes.
- **2.2.3.** Updated construction schedules.
- **2.2.4.** Shop drawings as required.
- **2.2.5.** Inspection and test reports.
- **2.2.6.** Daily communication of Hot Work Permits as needed.

2.3. Submissions at completion of Work are specified in Section 01 77 00, Contract Closeout.

3. Administrative

3.1. Submit to Consultant submittals listed for review. Submit promptly and in orderly sequence to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for extension of Contract Time no claim for extension by reason of such default will be allowed.

3.2. Do not proceed with Work affected by submittal until review is complete.

3.3. Present shop drawings, product data, samples and in Imperial units.

3.4. Review submittals prior to submission to Consultant. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been checked and coordinated with requirements of Work and Contract Documents. Submittals not

stamped, signed, dated and identified as to specific project will be returned without being examined and considered rejected.

3.5. Notify Consultant in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.

3.6. Verify field measurements and affirm that affected adjacent work is coordinated.

3.7. Contractor's responsibility for errors and omissions in submission is not relieved by Consultant's review of submittals.

3.8. Contractor's responsibility for deviations in submission from requirements of Contract Documents is not relieved by Consultant's review.

3.9. Keep one review copy of each submission on site.

4. Construction Schedules

4.1. Submit proposed construction schedule at beginning of Project, as specified in Project Documents.

4.2. As construction progresses, submit up-dated construction schedules as specified in Project documents.

5. Shop Drawings And Product Data

5.1. The term "shop drawings" means drawings, diagrams, illustrations, schedules, performance charts, brochures and other data which are to be provided by Contractor to illustrate details of a portion of Work.

5.2. Submit drawings stamped and signed by professional consultant registered or licensed in Province of Nova Scotia of Canada.

5.3. Indicate materials, methods of construction and attachment or anchorage, erection diagrams, connections, explanatory notes and other information necessary for completion of Work. Where articles or equipment attach or connect to other articles or equipment, indicate that such items have been coordinated, regardless of Section under which adjacent items will be supplied and installed. Indicate cross references to design drawings and specifications.

5.4. Allow seven (7) days for Consultant's review of each submission. Do not proceed with work involving relevant products until completion of shop drawing review.

5.5. Adjustments made on shop drawings by Consultant are not intended to change Contract Price. If adjustments affect value of work, state such in writing to Consultant prior to proceeding with work.

5.6. Make changes in shop drawings as Consultant may require, consistent with Contract Documents. When resubmitting, notify Consultant in writing of revisions other than those requested.

Accompany submission with transmittal letter, in duplicate, containing:

5.6.1. Date
5.6.2. Project title and number
5.6.3. Contractor's name and address
5.6.4. Identification and quantity of each shop drawing, product data and sample.
5.6.5. Other pertinent data.

5.7. Submission to include:
5.7.1. Date and revision dates.
5.7.2. Project title and number.
5.7.3. Name and address of:
5.7.3.1. Subcontractor.
5.7.3.2. Supplier.
5.7.3.3. Manufacturer.
5.7.4. Contractor's stamp, signed by Contractor's authorized representative certifying approval of submissions, verification of field measurements and compliance with Contract Documents.
5.7.5. Details of appropriate portions of Work as applicable:
5.7.5.1. Fabrication.
5.7.5.2. Layout, showing dimensions, including identified field dimensions, and clearances.
5.7.5.3. Setting or erection details.
5.7.5.4. Capacities.
5.7.5.5. Performance characteristics.
5.7.5.6. Standards.
5.7.5.7. Relationship to adjacent work.

5.8. After Consultant's review, distribute copies.

5.9. Submit for review one electronic copy in PDF file format of shop drawings for each requirement requested in specification Sections and as Consultant may reasonably request.

5.10. Submit electronic copies of product data sheets for brochures for requirements requested in specification Sections and as requested by Consultant where shop drawings will not be prepared due to standardized manufacture of product.

5.11. Submit electronic copies of test reports for requirements requested in specification Sections and as requested by Consultant.
5.11.1. Report signed by authorized official of testing laboratory that material, product or system identical to material, product or system to be provided has been tested in accord with specified requirements.
5.11.2. Testing must have been within three (3) years of date of contract award for project.

5.12. Documentation of testing and verification actions taken by manufacturer's representative to confirm compliance with manufacturer's standards or instructions.

5.13. Delete information not applicable to project.

5.14. Supplement standard information to provide details applicable to project.

5.14.1. If upon review by Consultant, no errors or omissions are discovered or if only minor corrections are made, copies will be returned, and fabrication and installation of work may proceed. If shop drawings are rejected, noted copy will be returned and resubmission of corrected shop drawings, through same procedure indicated above, must be performed before fabrication and installation of work may proceed.

5.14.2. Without restricting generality of foregoing, Contractor is responsible for dimensions to be confirmed and correlated at job site, for information that pertains solely to fabrication processes or to techniques of construction and installation and for coordination of work of sub-trades.

6. SAMPLES

6.1. Submit for review samples in duplicate as requested in respective specification Sections, as requested by the Consultant. Label samples with origin and intended use.

6.2. Deliver samples prepaid to Consultant's business address.

6.3. Notify Consultant in writing, at time of submission of deviations in samples from requirements of Contract Documents.

6.4. Adjustments made on samples by Consultant are not intended to change.

6.5. Make changes in samples which Consultant may require, consistent with Contract Documents.

6.6. Reviewed and accepted samples will become standard of workmanship and material against which installed work will be verified.

7. Record Drawings

7.1. Record, as the Work progresses, changes and deviations in the location of Work concealed by the finished Work, and such other approved changes that occur during progress of Work, to ensure that an accurate record is provided for future maintenance and alterations.

7.2. White prints will be provided by the HRCE for use in preparing record drawings. Record changes in the Work on these prints in red ink.

7.3. Dimension location of concealed Work in reference to building walls, and elevation in reference to floor elevation. Indicate at which point dimension is taken to conceal Work. Dimension all terminations and offsets of runs of concealed work.

7.4. Record work constructed differently than shown on Contract Documents, changes in the work caused by site conditions, by Owner, Consultant, Contractor and Subcontractor originated changes, and by site instructions, supplementary instructions, field orders, change orders, addenda, correspondence and directions of jurisdictional authorities.

7.5. Record location of mechanical and electrical services, piping, valves, conduits, pull boxes, junction boxes and similar work not clearly in view, and position of which is required for maintenance, alteration work and future additions. Do not conceal critical work until its location has been recorded.

7.6. Identify record drawings as a "Project Record Copy". Maintain in good condition, do not use for construction purposes and make available to Consultant at all times.

7.7. Submit record drawings at completion of Work. Final acceptance of the Work will be predicated on receipt and approval of record drawings.

8. Extra Stock

8.1. Supply extra stock at completion of Project as specified in other Sections of the Project Manual.

8.2. Deliver extra stock as directed by the Architect to location he designates.

8.3. Extra stock is specified to be supplied in the following Sections:

Section 09 51 13 Acoustical Ceiling Units
Section 09 65 19 Resilient Tile Flooring
Section 09 91 23 Painting
Refer to Mechanical & Electrical Divisions for Extra Stock requirements in those Trades.

9. Inspection Laboratory Reports

9.1. Submit copies of inspection and test reports obtained by the Contractor and Subcontractors for their Work or for Jurisdictional Authorities, if requested by Consultant.

9.2. Submit reports in accordance with requirements specified in Section 01 41 00.

10. Documentation On Suppliers & Manufacturers

10.1. Provide information under headings identifying the following: Associated Technical Section, Manufacturer, Supplier, Contact Name, and Phone Numbers.

SAMPLE FORM OF WARRANTY FOLLOWS THIS PAGE

Sample Form for Warranty

Date .....

Client .....

Project .....

.....

Warranty .....
(title of work)

We hereby undertake to warrant all materials supplied and installed under our Contracts and include the providing of necessary materials and labour to cover the result of faulty materials or workmanship. Upon written notification from Client or the Architect that the above work is defective any repair or replacement work required shall be to the Architect's satisfaction at no cost to the Client. This Warranty shall not apply to defects caused by the work of others, maltreatment of materials, negligence or Acts of God. This Warranty shall remain in effect for the total period from the acceptance of the Work to (....date....), irrespective of the date of completion or the beneficial use by the Owner.

Signature .....

Authorized Signing Officer .....

Name of Firm .....

Address .....

END OF SECTION 01 33 00

SECTION 01 35 13 – APPENDIX A - SPECIAL PROJECT PROCEDURES

1. Introduction

1.1. School construction, renovation and maintenance projects are scheduled every year as a normal and necessary course of business by operations departments in each Nova Scotia Centre for Education. Building modifications, repairs and additions/demolitions to buildings may impact the school environment without appropriate controls. With increased controls based primarily on the CSA standards implementation, proper scheduling and clear communication on adequate controls can be put into place to eliminate/minimize the impact to all occupants.

1.2. Projects of this nature may generate varying levels of dusts, noises and odors. It is possible, unknown/unforeseeable environmental contaminants, such as spills, mold, fumes, lead or asbestos exposure maybe identified.

1.3. To successfully complete work within the school environment, it is necessary to plan and implement appropriate containment and control strategies. This document is developed to provide a minimum standard for contaminant controls for various types of projects in schools. These standards are in addition to and should complement all legislated protocols for working with regulated materials such as asbestos, lead paints, PCB's etc.

1.4. Executing a successful project will depend primarily on clear, concise communication. This may involve a number of parties (Project Manager, Operations staff, School Administration and Health & Safety staff and Joint Occupational Health & Safety Committee).

2. Communication Plan

2.1. The most critical element of any project management plan is effective communication between all stakeholders. Communication between the Operations project manager/supervisor, the contractor and school administrators before the start of a project is very important. This meeting is meant to explain the scope, schedule and risk assessment for the project. The meeting will also help establish clear expectations when managing planned and unplanned exposure risks associated with contaminant controls.

2.2. The communication plan shall include:

2.2.1. A description of potential contaminants, which may include but is not limited to:

2.2.1.1. Particulates (dirt, concrete/silica, steel, fiberglass, wood dust, ash, cellulose, etc.)

2.2.1.2. Moisture: external water infiltration, internal system leaks (domestic water, sanitary, storm, sprinkler)

2.2.1.3. Noise from equipment/tool operation,

2.2.1.4. Fumes/odors from equipment exhaust, boiler exhaust, septic waste, chemical/adhesives, etc.

2.2.1.5. Hazardous materials including, asbestos, PCB, mercury, lead, fuel oil, fungi/mould, etc.

2.2.1.6. Excessive heat/cold

2.2.2. A description of the control measure which may include but not be limited to:

2.2.2.1. Isolation within an enclosure (water, noise, hazardous materials)

2.2.2.2. Ventilation and filtration

2.2.2.3. Dehumidifiers/blowers (moisture)

2.2.2.4. Personal protective equipment

2.2.2.5. Schedule outside or inside school hours

2.2.2.6. Sound dampeners

2.2.2.7. Monitoring

2.2.2.8. Security

2.2.3. Other Hazards created by the work, including but not limited to fire safety and the need to alter fire safety plans.

2.3. For small routine work orders the communication plan may only involve one tradesperson and the school principal or designate. This communication is equally as important for management of contaminant controls.

3. Contaminant Control Management

3.1. Regardless of the contaminant or control measure used, the following procedures shall apply for every project:

3.1.1. Every project, including all routine work requests, shall be assessed, as per this document, by appropriate personnel for potential contaminant risk.

3.1.2. Clear lines of communication must be established between project personnel, site supervisor or project manager and the school administration.

3.1.3. Control strategies as per this document, shall be, communicated to workers as well as the site JOHSC and implemented prior to starting the work.

3.1.4. Where isolation is used as a control, all entry points must be clearly posted to describe the purpose of the enclosure and limitations of access.

3.1.5. During the execution of the project, the control measures must be regularly inspected and maintained before the start of each work shift, and throughout the shift as required.

3.1.6. A process for stop work and remediation orders must be established to ensure the project manager; site supervisor and school administrator have a means to cease project operations when a contaminant control breach may impact the school environment. Breached control measures must be reported immediately to HRCE project manager upon discovery. He/she will be responsible to communicate to the school principal or designate. Work shall be stopped immediately until the control measures are re-established.

3.1.7. Access to the controlled work site is only permitted by authorized personnel. The project supervisor or designate shall determine appropriate personal protective equipment (PPE) and necessary worker orientation.

4. Particulate Control

4.1. Exposure to minimal levels of dust is a normal condition in most outdoor and indoor environments and is typically controlled inside a building through building ventilation, filtration and routine housekeeping measures. However, as noted, construction projects generally create elevated dust levels in work areas, whether inside or outside of a building.

4.2. Operational Services Managers must ensure maintenance staff and contracted service providers implement dust control measures appropriate for the type and scope of work being performed. This will include assessing the type and amount of dust being created as well as the location of the work being conducted.

4.2.1. Interior Construction Projects:

4.2.2. Construction projects may be described as projects that may include window replacement, wall creation/demolition, etc.

4.3. As a minimum for these types of construction projects, all interior entry points into a construction zone must be effectively sealed. The barrier must prevent contaminants from the work area to be distributed to other areas of the school. Appropriate signage must be posted to indicate only authorized persons are permitted access.

4.4. Entrance design could range from a two flap plastic tarp door to a fully constructed sealed entry door with negative hepa-filtered ventilation on the construction side of the barrier.

4.5. Exterior Construction Projects:

4.5.1. Exterior work shall be performed so as not to affect the safety of building occupants. It will also provide controls to avoid impact to adjacent properties. Depending up on the results identified in the risk assessment, at a minimum consideration must be given to prevent dust from entering into the school environment. This may be controlled through isolation, dampening application, closing building AHU and window/door openings.

5. Noise Control

5.1. Hearing plays an essential role in communication, speech and language development and learning within a school environment. During construction the contractor is responsible for ensuring acceptable noise levels will be adhered to for the HRCE staff and students within the building. Noise related to a project may prove to be very distracting for staff and students. To minimize distractions and interruptions in student learning the following are important to consider:

5.1.1. Contractors are responsible to ensure appropriate noise control measures are taken

5.1.2. "No work" periods may need to be incorporated into construction schedules

5.1.3. Work causing a noise disruption may need to take place during unoccupied times and/or during pre-determined acceptable times of the day (i.e. before and after class times)

5.1.4. It may be necessary for the School Administrator to make a request to the HRCE Project Manager or the Contractor to exclude undertaking certain noisy activities during particular periods and/or activities.

6. Moisture Control

6.1. Moisture levels are to be controlled during construction and maintenance activities. Moisture levels above normal may impact the air in the room and/or building and may also penetrate building materials giving the potential to lead to mould growth.

6.2. Certain activities (i.e. tape and mud of drywall, painting, pressure washing, concrete cutting with water or other water-based dust-suppression) introduce high amounts of moisture into the room environment and ventilation and or drying is required to control local moisture.

6.3. An enclosure properly set-up to contain other contaminants will similarly contain/control high levels of airborne moisture. A wet-vac should be available on-site for activities which have a risk of water spillage of more than 5 gallons at any instance.

6.4. Standing and or stagnate water must be avoided on construction sites, for a number of reasons, including, but not limited to; insects breed in these bodies of water, the water may give off odours, it is a nuisance to walk through, and it may be an ice hazard in cold weather.

6.5. It is important that all water leaks and flooding are reported immediately to the HRCE's project manager and building supervisor. Where works to existing "plumbing" is to occur the water lines (potable, heating, fire suppression) must be isolated and drained (de- energized/de-pressurized) following Lock Out - Tag Out procedure. Adequate supplies such as buckets and absorbents should be present when drains are not available to drain a line.

6.6. When an interruption to the water supply, potable or service, is to occur then the "owner's representative" and building supervisor should be notified 24 hours in advance. Bottled water provision may be required.

6.7. Materials used in the construction and or maintenance activities are to be stored in dry areas. The introduction of materials to the activities with moisture levels above the acceptable (XXX%)CNBC states for wood, on dry weight basis, a max of 19%, I can't find info on drywall but assume it is much lower range is prohibited as these materials are highly susceptible to colonization by mould spores.

7. Fumes

7.1. Fumes may be produced on a project site for a variety of reasons such as use of motorized equipment, off gassing of sealants, adhesives and finish products, cutting/torching processes, exposure of sanitary systems, process ignition gases such as propane and acetylene, proximity of project temporary washrooms, radon, etc.

7.2. The impact of fumes on occupants may range from discomfort to health risk, to life safety risk.

7.3. The project manager or supervisor must ensure that all potential fume sources are identified and remedial or control measures included in the scope of work by the contractor.

7.4. Monitoring equipment may be required to determine for example radon exposure or safety of confined space access.

8. Activity Assessment

8.1. Activities that may produce contaminants which require control may be considered as low, medium and high impact.

8.2. Low impact activities include routine maintenance and repairs that may create localized dust or odors or brief periods of noise which are not considered harmful to occupants but may be a nuisance which requires minimal control. These may include activities such as opening ceiling tiles or gyproc walls, replacing a plumbing fixture, paint touch ups, drilling through a wall, etc.

8.3. Medium impact activities include larger repair jobs or longer duration projects that will create more wide spread levels of contaminant which must be controlled to prevent exposure to building occupants. Boiler cleaning, ceiling replacement, long periods of hammer drilling, etc.

8.4. High impact activities include large demolition and construction projects, or jobs with exposure to contaminants that are a risk to health or life safety such as asbestos remediation, mould abatement, lead paint clean up, etc.

9. Hazard Assessment

9.1. A hazardous assessment is required to be completed for each job to ensure hazards are identified and corresponding controls are implemented. Depending upon the circumstances at the site it may be necessary to upgrade and/or add other precautions.

9.2. Determine the most appropriate hazard classification and apply the corresponding protocols. The attached hazard assessment identifies the minimum controls that must be in place during the corresponding activities. Depending on the specific circumstances at a site further controls may be required. When the hazards are deemed to be in the C or F category the form including specific controls must be submitted to the HRCE for review, prior to commencing work. The contractor may still be required to complete their own hazard assessment of the job/work.

10. Contaminant Controls Procedure for initiating work for all Contaminant Controls:

10.1. Contaminant Control I

10.1.1. The tradesperson or project manager for the HRCE will discuss the details, including the scope and any impacts of the job/project with the principal.

10.1.2. Ensure fire exiting requirements and life safety systems are addressed or adequate mitigating plans are implemented for the building, construction staff and building occupants.

10.1.3. Presence of lead paint or ACM's (Asbestos Containing Materials) must be determined prior to the start of any job. Specific protocols or Codes of Practice may apply.

10.1.4. Consideration will be given for work that is anticipated to generate significant noise, odours or VOC's (Volatile Organic Compounds) and this will be scheduled outside of

school hours or during times when the noise will not disrupt occupant activities. This will require coordination with the Principal.

10.1.5. The work area shall be isolated where possible. This may be achieved at varying levels, by closing doors and opening outside windows for ventilation or by installing appropriate hoarding and negative pressure units to ensure contaminants are not circulated throughout the school causing further health and safety concerns.

10.1.6. Dust shall be minimized during the activity. When drilling, sanding or cutting is taking place, wetting the area may be necessary to reduce dust.

10.1.7. Good housekeeping practices shall be maintained at all times on the work site. Bag and remove dust and debris from the building as soon as possible.

10.1.8. Possible environmental impacts shall be managed and minimized. If work uncovers environmental contaminants or suspected contaminants such as oil spills (current or historic) or potentially friable asbestos materials (check the school asbestos audit) that may be disturbed, this information shall be brought to the attention of the HRCE's employee responsible for the project so that appropriate actions can be taken.

10.1.9. When the activity is completed the work area shall be inspected and cleaned. Dust and debris shall be removed from the area and all efforts will be made to return items to their pre-maintenance activity location.

10.1.10. The Principal shall be notified that the work is completed.

10.2. Contaminant Control II - All Contaminant Control I measures shall apply, as well as;

10.2.1. Cover furniture, bookshelves and teaching materials with plastic sheets.

10.2.2. Water misting while performing dust generating activities may be required.

10.2.3. Seal un-used doors. Seal wall penetrations, electrical outlets, or any other source of air leaks in the construction area.

10.2.4. Seal exhaust air vents in construction area and open the windows. If possible shut down air handling system in the area for duration of project.

10.2.5. A walk out mat at exterior of exit door to trap dust may be required.

10.3. Contaminant Control III - All Contaminant Control I and II measures shall apply, as well as;

10.3.1. Install an impermeable dust barrier from the true ceiling to the floor consisting of two layers of 6 mil fire retardant polyethylene or solid wall and sealed door. The wall shall remain in place until the job is finished and the clean-up is completed.

10.3.2. Seal all wall penetrations.

10.3.3. Seal off all return and supply air handling ducts and close all windows.

10.3.4. Turn off the air handling system in the area of construction.

10.3.5. Maintain negative air pressure in the construction area using HEPA filter equipped exhaust ventilation. The pressure differential between the project area of contamination and the building's occupied areas shall be demonstrable by a means approved by the HRCE employee responsible for the project.

10.3.6. Ensure that the air is exhausted directly outside and away from intake vents.

10.3.7. Vacuum all horizontal surfaces including drop cloths with a hepa vacuum.

10.3.8. Remove drop cloths.
10.3.9. Vacuum again all horizontal surfaces with HEPA Vacuum.
10.3.10. Restore ventilation.
10.3.11. Remove enclosure and equipment.

10.4. Control IV: (External Work)
10.4.1. External work may impact building interior or occupants.
10.4.2. To reduce the impact to building interior or occupants, it may be necessary to contain the work area from impacting building interior. This may include closing or opening windows, tarping ceilings to capture debris or water, temporary relocation of occupants or ventilation controls.
10.4.3. The job supervisor shall consider weather conditions and forecast to reduce the effect of any weather impacts to the building materials or building occupants.
10.4.4. It may be necessary to use protective tarps and ground cover sheets below equipment and work areas to contain building debris such as paint chips, materials, dust or oil from equipment.
10.4.5. When the job is completed and the tarps have been lifted, inspect the ground around the job for debris and clean as necessary.

Fire Protection
10.5. Type V: General Fire Protection
10.5.1. Ensure fire exiting requirements and life safety systems are addressed or adequate mitigating plans are implemented for the building, construction staff and building occupants. Staff must be aware of temporary modifications to fire safety plans.
10.5.2. MSDSs for all materials to be used must be reviewed and available on site.
10.5.3. Construction materials stored outside must be a minimum distance of ten feet from the building and be in a secured area.
10.5.4. Flammable or Combustible liquids must be stored as per Fire Code requirements. All flammable and combustible liquids or materials must be kept in a secure area at all times.
10.6. Control VI: Fire Protection (minor hot work) - All Contaminant Control V shall apply as well as;
10.6.1. Notify the Principal that a risk of fire has increased and the area in which the hot work will occur.
10.6.2. Refer and implement the HRCE's hot work permit process. At a minimum the following should be considered;
10.6.2.1. Sweep the work area and remove all unnecessary materials in the vicinity; particularly all combustible and flammable materials and liquids shall be removed from the area (35 feet).
10.6.2.2. Have an appropriate size fire extinguisher available.
10.6.2.3. Inspect the work location for areas (such as a hole in the wall) where hot material or sparks could fall and smolder and close them off so that any hot debris can only fall within your field of view.

10.6.2.4. If it is possible that the flame will go past the object being welded or soldered and excessively heat a flammable or combustible material, then either protect that material with a non-flammable material or wet the material and keep it wetted during the use of heat or grinding.

10.6.2.5. Remain in the area while the joint and/or heated materials cool to room temperature (ambient) while checking for the smell or appearance of smoke in the area.

10.6.2.6. Stay in the area for at least 2 hours and then re-inspect for any smell or appearance of smoke.

10.6.2.7. Ask another staff person to inspect the area for the smell or appearance of smoke. Record who you asked to do the final inspection.

10.6.3. Type VII: Fire Protection (hot work w fire watch) - All Contaminant Control V and VI shall apply as well as;

10.6.4. Notify the Principal that a risk of fire has increased and the area in which the hot work will occur. If any life safety system components (sprinkler, detectors, fire alarms) are not function, hot work should not proceed until these systems are functioning unless fire watch procedures for life systems are followed. See Activation of Fire Watch for Life Safety Systems checklist. Appendix…XX

10.6.5. Refer and implement the HRCE's hot work permit process. At a minimum the following should be considered;

10.6.5.1. Cover all floor openings with fire stop material. Seal duct work openings with metal covers or blankets and close all doors.

10.6.5.2. Ensure that there are no potentially explosive atmospheres in the area.

10.6.5.3. Hot work on vessels, pressure tanks or boilers, use only contractors who are qualified by nationally or internationally recognized boiler and pressure vessel code.

10.6.5.4. Notify the local fire department of the type of work and the work schedule.

10.6.5.5. Before hot work is started, designate one employee responsible to complete the fire watch: while work is in progress, during lunch breaks and other breaks and for one hour after all flames are extinguished for the day and monitor the area for an additional two hours. After three hours after the last flame has been extinguished, have a second employee do a final survey of the area for smells or evidence of smoldering or fire and record the inspection.

APPENDIX
Fire Watch Activation Checklist

1. Documentation (identify locations to be checked on an hourly basis, provide contact information for relevant HRCE staff and outside agencies} HRCE provided template to be used for documentation.
2. Procedure reviewed with Custodian or individual responsible for fire watch. Any high-risk areas shall be identified to be highlighted on the documentation page and checked during the rounds.
3. Staff working in the building have been notified of the Fire Watch and that they are responsible to monitor areas for signs of fire or smoke and have been reminded of required actions to take according to the school fire safety plan.
4. Staff responsible for fire watch have been trained in how to use a fire extinguisher. (PASS)
5. Staff responsible for the fire watch have a means of communication (cell phone or walkie-talkies)
6. Staff responsible for the fire watch are aware of the procedure for initiating fire alarm and what systems are functioning. i.e. systems (sprinklers, alarm panel or if school has monitoring company or if calling 911 is required)
7. The School Insurance Program (SIP) Emergency Information Line has been notified 1-902-448-2840
8. All relevant information has been documented in the school's fire books. Including date, time and reason for fire watch.

Fire Watch De-Activation Checklist

1. Document the date, time and actions taken to remedy the deficiency requiring the fire watch.
2. School Insurance Program (SIP) has been notified.
3. Copy of the Fire Watch documentation is kept in the fire book and the original is sent to the HRCE Project Representative.

END OF SECTION 01 35 13

SECTION 01 35 29 - OCCUPATIONAL HEALTH & SAFETY REQUIREMENTS

1. References

1.1. CSA S269.1-1975 Falsework for Construction Purposes.

2. CONSTRUCTION SAFETY MEASURES

2.1. Observe construction safety measures of:

2.1.1. National Building Code 2010, Part 8

2.1.2. National Fire Code of Canada

2.1.3. Provincial Government, including but not limited to the:

2.1.3.1. Occupational Health & Safety Act revised Statutes of Nova Scotia 1996, Chapter 7 and regulations.

2.1.3.2. Workers' Compensation Act

2.1.3.3. Fire Protection Act

2.1.3.4. Dangerous Goods Transportation Act

2.2. In case of conflict or discrepancy the more stringent requirement shall apply.

2.3. Ensure that employees working on this specific project have met training requirements as legislated by the Nova Scotia Occupational Health & Safety Act and its regulations.

2.4. Where reference is made to jurisdictional authorities, it shall mean all authorities who have within their constituted powers the right to enforce the laws of the place of the building.

3. Equipment & Tools

3.1. Each user of equipment or tools shall be responsible to examine for sufficiency before use. Make equipment and tools safe if necessary.

4. WHMIS

4.1. Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of material safety data sheets.

4.2. Have a copy of WHMIS data sheets available at the workplace on delivery of materials.

5. Hazardous Material

5.1. Should material resembling hazardous materials other than those identified with the Contract Documents, including but not limited to spray or trowel applied asbestos, be encountered in course of work; stop work immediately. Do not proceed until written instructions have been received from Consultant.

5.2. Where work entails use, storage, or disposal of toxic or hazardous materials, chemicals and or explosives, or otherwise creates a hazard to life, safety, health, or the environment; work shall be in accordance with the Jurisdictional Authority.

6. Site Cleaning

6.1. Except where special permission is obtained, maintain clear access on public sidewalks and roads.

6.2. Maintain walks and roads clear of construction materials and debris, including excavated material. Clean walks and roads as frequently as required to ensure that they are cleared of materials, debris and excavated material.

7. Fire Safety Requirements

7.1. Enforce fire protection methods, good housekeeping and adherence to local and Underwriter's fire regulations including, but not limited to, Fire Protection Act and the Provincial Building Code Act. Provide UL approved fire extinguishers, and other fire-fighting services and equipment, except where more explicit requirements are specified as the responsibility of individual Sections.

7.2. Smoking is not permitted on school property.

7.3. Advise Fire Chief in the area of Work of any work that would impede fire apparatus response, including but not limited to violation of minimum overhead clearance prescribed by the fire chief, erecting of barricades and digging of trenches and in areas where work is being done.

7.4. Ensure nothing subverts the integrity of fire protection provided for the building structure.

8. Reporting Fires

8.1. Know the location of the nearest fire alarm box and telephone, including the emergency phone number.

8.2. Report immediately all fire incidents to the fire department as follows:

8.2.1. Activate nearest fire alarm box, or

8.2.2. Telephone local fire department

8.2.3. Where fire alarm box is exterior to building, the person activating the fire alarm box shall remain at the box to direct Fire Department to scene of the fire.

8.2.4. When reporting a fire by telephone, give location of fire, name or number of building and be prepared to verify the location.

9. Safety Document Submission

9.1. Ensure Safety Document Submission applies to Work of this specific project and site.

9.2. Submit two (2) copies of Project Safety Document at the Pre-Construction Meeting. Do not commence Work nor deliver material on-site prior to submission.

9.3. Include in Safety Document submission specific information detailing the methods and procedures to be implemented ensuring adherence to the acts, regulations, codes and policies specified in this section and to:

9.3.1. Ensure the Health & Safety of persons at or near the Work; including, but not limited to, the Public.

9.3.2. Ensure the measures and procedures of the regulatory agencies specified are carried out.

9.3.3. Ensure every employee, self-employed person and employer performing Work under this contract complies with the regulatory agencies specified.

9.3.4. Where changes to the methods and procedures in the execution of work change submitted safety methods and procedures, modify submitted Safety Documentation and submit modifications, in writing to the Consultant and Owner prior to implementation.

10. Safety Document Organization

10.1. Organize information in the form of an instructional manual as follows:

10.1.1. Place in binders of commercial quality, accommodating 8½" x 11" paper size.

10.1.2. Cover: Identify binder with typed or printed title 'Project Safety Document' and list the title of project.

10.1.3. Provide tabbed fly leaf for each separate heading, with typed heading on tab.

10.1.4. Where drawings are within the safety document, provide with reinforced punched binder tab. Bind in with text; fold in larger drawings to size of text pages.

10.1.5. Arrange content under Safety Document headings specified herein.

11. Safety Document Headings

11.1. Employee Safety Training

11.1.1. Place, under this heading, a statement indicating employees working on this specific project have met specified training requirements, if required.

11.2. Company Safety Policy

11.2.1. Place, under this heading, information pertaining to the company's policy and commitment to Occupational Health & Safety, including the responsibilities of management, supervisors and workers.

11.3. Company Safety Rules in General Terms

11.3.1. Place, under this heading, information of a general, global nature, applying to every work environment where the company has staff and pertaining to rules directing compliance to policy. For example state company safety rules with respect to use of hard hats, safety glasses, safety foot ware, CSA approval on such items, and use of alcohol or non-prescription drugs.

11.4. Hazard Assessment

11.4.1. Place, under this heading, information identifying possible hazards specific to this project and identify safe methods and procedures for the execution of work to ensure safety in the workplace.

11.4.2. Arrange contents of this heading by technical section number of the project manual.

11.5. Emergency Action Plan

11.5.1. Place, under this heading, information detailing action to be taken in the event of various emergencies.

11.5.2. Arrange content under the following sub-headings:

11.5.2.1. First Aid

11.5.2.1.1. Include information concerning establishment of a First Aid Station, related supplies, staff awareness of location and staff training in First Aid Care of Casualties.

11.5.2.2. Contact of Emergency Support Groups:

11.5.2.2.1. Include relative information including phone location for emergency use, the emergency telephone numbers and their location for the various organizations which must be contacted in case of an emergency, and staff training in procedures.

Cessation of Work:

11.5.2.2.2. Include relative information how work cessation during emergencies is handled and communicated to persons present on site.

11.6. Joint Occupational Health & Safety Committee/Representative:

11.6.1. Place under this heading information detailing membership and terms of reference.

OCCUPATIONAL HEALTH & SAFETY SUMMARY FOLLOWS THIS PAGE

Occupational Health & Safety Summary (to be submitted with each monthly Progress estimate)

The following information summarizes Occupational Health & Safety activities on the project conducted by the Contractor during the month and includes activities of Subcontractors. Activities include all matters prescribed by the Occupational Health & Safety Act and Regulations and the submitted Occupational Health & Safety Document for the Project.

Indicate the applicable # number below:

#_____new contractors on site,
#_____orientations
#_____toolbox talks
#_____safety meetings
#_____Joint Occupational Health and Safety Committee meetings
#_____hazard assessments
#_____formal written inspections
#_____warnings issued to employees or subcontractors
#_____other, explain_____

List new Contractors on Site below:

_____
_____
_____
_____
_____
_____

The Contractor certifies that the above noted activity list is accurate and that during the month:

Check

☐ All activities on the Project were found to be in compliance with the Occupational Health & Safety Act and Regulations

☐ Some activities on the Project were not found to be in compliance with the Occupational Health & Safety Act and Regulations but were adequately corrected in an appropriate time frame. Explain _____

_____

Prepared by

_____
(Contractor Project Manager)

Certified by

_____
(Contractor Senior Management)

END OF SECTION 01 35 29

SECTION 01 37 00 - SCHEDULE OF VALUES

1. Related Documents

1.1. General Conditions of Contract.

2. General

2.1. Submit to the Architect, and Owner, Schedule of Values, within twenty (20) days after signing Agreement.

2.2. Use Schedule of Values as basis for Contractor's Progress Claim.

3. Form Of Submittal

3.1. Form included at end of this Section.

4. Preparing Schedule Of Values

4.1. Itemize separate line item cost for work required.

4.2. Round off figures to nearest ten (10) dollars.

4.3. The sum of all values listed in the schedule shall equal the total contract sum.

5. Review And Submittal

5.1. After review by Consultant and Owner, revise and resubmit Schedule as directed.

5.2. The form shall be completed and supported by such evidence as to its correctness as the Architect may reasonably direct.

SCHEDULE OF VALUES

RFP #4269
Site Preparation, Service Disconnection, Relocate and Installation Services -
Various Portable Sites throughout Halifax

Project Name .....

Architect .....

Contractor .....

Date .....

Halifax Regional Centre for Education – Schedule of Values		
Contract Item	**Percentage**	**Dollar Value**
Mobilization, bonding / insurance, safety, set up safety fencing and site access	10	
Disconnection of services and exterior finishes for 3 Portables at Fairview Heights Elementary. Approved area by HRCE	25	
Site civil work at receiving schools as noted (7) Portable locations	15	
Transportation and re-installation of 3 portables, 2 unit at Ridgecliff Middle School and 1 unit at Park West Junior High School	20	
Site Service Connections from School to 7 portables. **(4 New Portables Supplied to HRCE under separate Contract)**	20	
Close out documentation	10	
Total	**100 %**	

END OF SECTION 01 37 00

SECTION 01 41 00 - REGULATORY AGENCIES

1. Jurisdictional Authorities

1.1. Where reference is made to jurisdictional authorities, it shall mean all authorities who have within their constituted powers the right to enforce the laws of the place of building.

2. Definitions

2.1. The "Constructor" named in the Construction Safety Act, Chapter 52, Revised Statutes of Nova Scotia, as amended by 1972, Chapter 25; and Construction Safety Regulations, pursuant to Chapter 52 R.S.N.S., including any amendments, shall mean the "Contractor" for the Work performed under this Specification.

3. Fire Prevention, Safety & Protection

3.1. General Construction Safety Measures:

3.1.1. Observe safety measures of the

3.1.1.1. National Building Code 2010, Part 8.

3.1.1.2. National Fire Code of Canada.

3.1.1.3. Provincial Government, including but not limited to the Occupational Health & Safety Act Revised Statutes of Nova Scotia 1996, Chapter 320, and the Construction Safety & Industrial Safety Regulations made pursuant to the Occupational Health and Safety Act, 1996.

3.1.1.4. Workers'/Workmen's Compensation Board.

3.1.2. In case of conflict or discrepancy the more stringent requirement shall apply.

3.1.3. Maintain clear emergency exit paths for personnel.

3.2. Except where special permission is obtained, maintain clear access on public sidewalks and roads.

3.3. Maintain walks and roads clear of construction materials and debris, including excavated materials. Clean walks and roads as frequently as required to ensure that they are cleared of materials, debris and excavated materials.

3.4. WHMIS:

3.4.1. Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of material safety data sheets acceptable to Labour Canada and Health & Welfare Canada.

3.4.2. Have a copy of WHMIS data sheets available at the workplace on delivery of materials.

Blockage of Roadways

3.5. Advise Fire Chief of any work that would impede fire apparatus response. This includes violation of minimum overhead clearance, as prescribed by fire chief, erecting of barricades and the digging of trenches.

4. Smoking Precautions

4.1. Observe, at all times, smoking regulations.

5. Rubbish And Waste Materials

5.1. Rubbish and waste materials are to be kept to a minimum.

5.2. The burning of rubbish is prohibited.

6. Flammable And Combustible Liquids

6.1. The handling, storage and use of flammable and combustible liquids are to be governed by the current National Fire Code of Canada.

6.2. Flammable and combustible liquids such as gasoline, kerosene and naphtha will be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing the Underwriter's Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable and combustible liquids exceeding 45 litres for work purposes, requires the permission of the Fire Chief.

6.3. Transfer of flammable and combustible liquids is prohibited within buildings or jetties.

6.4. Transfer of flammable and combustible liquids will not be carried out in the vicinity of open flames or any type of heat-producing devices.

6.5. Flammable liquids having a flash point below 38°C such as naphtha or gasoline will not be used as solvents or cleaning agents.

6.6. Flammable and combustible waste liquids, for disposal, will be stored in approved containers located in a safe ventilated area. Quantities are to be kept to a minimum and the Fire Department is to be notified when disposal is required.

7. Hazardous Substances

7.1. Work entailing the use of toxic or hazardous materials, chemicals and/or explosives, otherwise creates a hazard to life, safety or health, will be in accordance with the National Fire Code of Canada.

7.2. Where flammable liquids, such as lacquers or urethanes are to be used, proper ventilation will be assured and all sources of ignition are to be eliminated. The Fire Chief is to be informed prior to and at the cessation of such work.

8. Questions and/or Clarification

8.1. Direct any questions or clarification on Fire Safety in addition to above requirements to Fire Chief.

9. Fire Inspection

9.1. Site inspections by Fire Chief will be coordinated through HRCE Project Manager.

9.2. Allow Fire Chief unrestricted access to the work site.

9.3. Co-operate with the Fire Chief during routine fire safety inspection of the Work site.

9.4. Immediately remedy all unsafe fire situations observed by the Fire Chief.

10. Reference Standards

10.1. Where edition date is not specified, consider that references to manufacturer's and, published codes, standards and specifications are made to the latest edition, (revision) approved by the issuing organization, current at the date of this Specification.

10.2. Reference standards and specifications are quoted in this Specification to establish minimum standards. Work which in quality exceeds these minimum standards shall be considered to conform.

10.3. Should the Contract Documents conflict with specified reference standards or specifications the General Conditions of the Contract shall govern.

10.4. Where reference is made to manufacturer's directions, instructions or specifications they shall include full information on storing, handling, preparing, mixing, installing, erecting, applying, or other matters concerning the materials pertinent to their use and their relationship to materials with which they are incorporated.

10.5. Have a copy of each code, standard and specification, and manufacturer's directions, instructions and specifications, to which reference is made in this Specification, always available at construction site.

10.6. Standards, specifications, associations, and regulatory bodies are generally referred to throughout the specifications by their abbreviated designations:

AA	The Aluminum Association
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute
ARI	Air Conditioning & Refrigeration Institute
ASTM	American Society for Testing & Materials
CCA	Canadian Construction Association
CGSB	Canadian General Standards Board
CSA	Canadian Standards Association
NSDTIR	Department of Transportation & Infrastructure Renewal, Province of Nova Scotia
IAO	Insurers Advisory Organization
NBC	National Building Code
NFPA	National Fire Protection Association
CANS	Construction Association of Nova Scotia
ULC	Underwriters Laboratories of Canada
WHMIS	Workplace Hazardous Materials Information System

END OF SECTION 01 41 00

SECTION 01 45 00 - QUALITY CONTROL

1. Section Includes

1.1. Inspection and testing, administrative and enforcement requirements

1.2. Tests and mix designs.

1.3. Mock-ups.

1.4. Mill tests.

1.5. Equipment and system adjust and balance.

1.6. Verification by affidavits and certificates that specified products meet requirements of reference standards: In applicable Sections of the Specification.

1.7. Testing, balancing and adjusting of equipment: In applicable Mechanical and Electrical Sections of the Specification.

1.8. Cutting & Patching: Section 01 11 41.

2. Related Sections

2.1. Section 01 33 00 Submittal Procedures: Submission of samples to confirm product quality.

2.2. Section 01 61 00 Material & Equipment: Material and workmanship quality – reference standards.

2.3. Section 01 77 00 Contract Closeout.

3. REVIEW OF WORK

3.1. The Owner shall have access to the Work. If part of the Work is in preparation at locations other than the Place of the Work, access shall be given to such work whenever it is in progress.

3.2. Give timely notice to the Owner's Representative, requesting review of the Work as indicated in the Contract Documents.

3.3. If the Contractor covers or permits to be covered Work that has been designated for review by the Owner before such is made, uncover such Work, have the review satisfactorily completed and make good such Work at no extra cost to Owner.

4. Inspection, Special Tests, Approvals

4.1. Engage the services of appropriate inspection testing agencies ensuring the Work meets codes, acts and regulations, and lows in force at the place of Work. Include such costs in the Contract Price.

4.2. Give timely notice requesting inspection to those required to provide inspections, special tests, or approvals, where Work is designated, by the Owner's instructions or the law of the place of Work, for special tests.

4.3. If the Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such is made, uncover such Work, have the inspections or tests satisfactorily completed and make good such Work at no extra cost to the Owner.

4.4. The Owner may order any part of the Work to be examined if the Work is suspected to be not in accordance with the Contract Documents. If, upon examination such Work is found not in accordance with the Contract Documents, correct such Work and pay the cost of examination and correction. If such Work is found in accordance with the Contractor Documents, the Owner shall pay the cost of examination and replacement.

5. Independent Inspection Agencies

5.1. Independent Inspection/Testing Agencies may be engaged by the Owner for the purpose of inspecting and/or testing portions of Work. Cost of such services will be borne by the Owner.

5.2. Provide access to the Work, and equipment required for executing inspection and testing by the appointed agencies.

5.3. Employment of inspection/testing agencies does not relax the Contractor's responsibility to perform Work, or carry out his own inspections and testing in accordance with the Contract Documents.

5.4. If defects are revealed during inspection and/or testing, the appointed agency will request additional inspection and/or testing to ascertain full degree of defect. Correct defect and irregularities as advised by Owner at no cost to the Owner. Pay costs for retesting and reinspection.

6. Access To Work

6.1. Allow inspection/testing agencies access to the Work, off site manufacturing and fabrication plants.

6.2. Co-operate to provide reasonable facilities for such access.

7. Procedures

7.1. Notify the appropriate agency and Owner in advance of the requirement for tests, in order that attendance arrangements can be made.

7.2. Submit samples and/or materials required for testing, at specifically requested in specifications. Submit with reasonable promptness and in an orderly sequence so as not to cause delay in the Work.

7.3. Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

8. Rejected Work

8.1. Remove defective Work, whether the result of poor workmanship, use of defective products or damage and whether incorporated in the Work or not, which has been rejected, including (but not limited to) defective Work rejected by the Owner as failing to conform to the Contract Documents. Replace or re-execute in accordance with the Contract Documents.

8.2. Make good other Contractor's work damaged by such removals or replacements promptly.

8.3. If in the opinion of the Owner, it is not expedient to correct defective Work or Work not performed in accordance with the Contract Documents, the Owner may deduct from the Contract Price the difference in value between the Work performed and that called for by the Contract Documents, the amount of which shall be determined by the Owner.

9. Reports

9.1. Submit four (4) copies of inspection and test reports to the Owner.

9.2. Provide copies to Contractor's Consultant and Subcontractor of Work being inspected or tested.

10. Tests and Mix Designs

10.1. Furnish test results and mix designs as may be requested.

10.2. The cost of tests and mix designs beyond those called for in the Contract Documents or beyond those required by law of the Place of Work shall be appraised by the Owner and may be authorized as recoverable.

11. Mock-Up

11.1. Prepare mock-up for Work for each finish in the Work and other work specifically requested in the specifications. Include for Work of all Sections required to provide mock-ups.

11.2. Construct in all locations as specified in specific Section.

11.3. Prepare mock-up for Owner's review with reasonable promptness and in an orderly sequence, so as not to cause any delay in the Work.

11.4. Failure to prepare mock-up in ample time is not considered sufficient reason for an extension of Contract Time and no claim for extension by reason of such default will be allowed.

11.5. If requested the Owner will assist in preparing a schedule fixing the dates for preparation.

11.6. Mock-ups may remain as part of the Work, unless specified otherwise in the Contract Documents.

12. Mill Tests

12.1. Submit mill test certificates as may be requested.

13. Equipment And Systems

13.1. Submit adjustment and balancing reports for mechanical, electrical and building equipment systems.

13.2. Refer to Contract Documents for definitive requirements.

END OF SECTION 01 45 00

SECTION 01 52 00 – CONSTRUCTION & TEMPORARY FACILITIES

1. General

1.1. Include in the Work construction and temporary facilities required as construction aids or by jurisdictional authorities or as otherwise specified. Install to meet needs of construction as Work progresses. Maintain construction and temporary facilities during use, relocate them as required by the Work, remove them at completion of need and make good adjacent Work and property affected by their installation.

1.2. Include in the Work construction and temporary facilities to provide for construction safety such as: fences, barricades, bracing, supports, storage, sanitation and first aid facilities, fire protection, stand pipes, electrical supply, construction equipment with its supports and guards, stairs, ramps, platforms, runways, ladders, scaffolds, guardrails, temporary flooring, rubbish chutes, and walkway, morality and guard lights, and as otherwise required of the Constructor by the Construction Safety Act, of the Province of Nova Scotia, as well as all other applicable regulations or jurisdictional authorities.

1.3. Construct temporary Work of new materials unless use of second-hand materials is approved.

1.4. Ensure that structural, mechanical, and electrical characteristics of temporary facilities are suitable and adequate for use intended. Be responsible that no harm is caused to persons and property by failure of temporary facilities because of placing, location, stability, protection, structural sufficiency, removal, or any other cause.

1.5. Locate temporary facilities as directed and coordinated with School Administration and HRCE.

1.6. Relocate construction and temporary facilities as required by the Progress of the Work, and remove at completion of Work.

1.7. Do not permit construction personnel to use new washroom and toilet facilities.

1.8. Interior work zones to be complete with temporary negative air ventilation units to be functioning at all times to control dust migration to occupied areas.

1.9. Refer also to HRCE Policies & Guidelines contained in Appendix A of Section 01 35 13.

2. Services

2.1. Temporary Electric Power:

2.1.1. The Contractor will provide a source of electric power for all construction purposes.

2.1.2. Coordinate with the Building Operator locations of power sources and arrange to connect under his direction.

2.1.3. Install electric service distribution conductors and necessary components. Determine anticipated demand which will be placed on service during normal peak periods and obtain approval on this basis before making installation. Supply power of characteristics required by the Work. Install a power centre for miscellaneous tools

and equipment for each major building floor area with distribution box, a minimum of four 20 amp grounded outlets, and circuit breaker protection for each outlet. Make connections available to any part of the Work within distance of a 100'-0" extension.

2.2. Temporary Lighting:

2.2.1. Install lighting for

2.2.1.1. emergency evacuation, safety and security throughout the Project at intensity levels required by jurisdictional authorities.

2.2.1.2. performance of Work throughout Work areas as required, evenly distributed, and at intensities to ensure that proper installations and applications are achieved.

2.2.1.3. performance of finishing Work in areas as required, evenly distributed and of an intensity of at least 15 foot candles.

2.2.2. Permanent fluorescent lighting may be used during construction, provided that fixtures, lamps and lenses are completely cleaned. Incandescent sources may be used during construction to the extent of 20% of the total. Electrical Division Contractor to provide 20% spare lamps to the Owner for replacement purposes.

2.3. Temporary Sanitary Facilities:

2.3.1. Provide sanitary facilities for persons on the Work site. Facilities in areas of the building are only to be used under extraordinary circumstances and with prior approval.

2.4. Maintain fire protection as required by jurisdictional authorities. The Contractor is responsible for de-activating and re-activating Fire Alarm zones as required by the Work of the Contract and to maintain protection in the existing building.

3. Construction Aids

3.1. Hoists & Cranes:

3.1.1. Select, operate and maintain hoisting equipment and cranes as may be required. Operate such equipment only by qualified hoist or crane operators. Make hoist available for Work of each Section.

3.2. Building Enclosure:

3.2.1. Include in Work temporary enclosure for building as required to protect it, in its entirety or in its parts, against the elements, to maintain environmental conditions required for Work. Design enclosures to withstand wind pressures required for the

building by jurisdictional authorities. Erect enclosures to allow complete accessibility for installation of materials during the time enclosures remain in place.

3.3. Scaffolding:

3.3.1. Each user of scaffolding shall be responsible for its examination and testing for sufficiency before using it. He shall make it secure if necessary, or shall notify the Contractor in writing that he will not commence work until it is made secure; otherwise he will be held responsible for accidents due to its insufficiency.

4. Barriers

4.1. Install barricades for traffic control, and to prevent damaging traffic over exterior and interior finished areas, as well as safety barricades and otherwise, as may be required.

4.2. Construct hoardings and walkways as required by HRCE or jurisdictional authorities.

5. Protection

5.1. Protect roofs and podiums by substantial temporary construction to ensure that no damage occurs. Provide protection by materials of sufficient thickness to prevent all damage to structure and finish, and to waterproofing qualities of membranes, whenever each of these individual components are exposed. Damage shall include harm resulting from all construction work, such as falling objects, wheel and foot traffic, failure to remove debris, operation of machinery and equipment, and scaffolding and hoisting operations. Positively secure protection to prevent displacement from any cause.

5.2. Box with wood or otherwise protect from damage, by continuing construction, finished sills, jambs, corners, and the like.

END OF SECTION 01 52 00

SECTION 01 61 00 - MATERIAL & EQUIPMENT

1. General

1.1. Products refer to materials, manufactured components and assemblies, fixtures and equipment incorporated in the Work.

1.2. Use only products of Canadian manufacture unless such products are not manufactured in Canada, are specified otherwise, or are not competitive.

1.3. Products for use in the Project and on which the Tender was based shall be in production at that time, with a precise model and shop drawings available for viewing.

1.4. Where equivalent products are specified, or where alternatives are proposed under "substitution of products", these products claimed by the Contractor as equivalent shall be comparable in construction, type, function, quality, performance, and, where applicable, in appearance, as approved. Where specified equivalents are used in the tendered bulk sum price for the Work, they shall be subject to final approval.

1.5. Incorporate products in the Work in strict accordance with manufacturers' directions unless specified otherwise.

1.6. Products delivered to the Project site for incorporation in the Work shall be considered the property of the Owner. Maintain protection and security of products stored on the site after payment has been made for them.

1.7. Do not install permanently incorporated labels, trademarks and nameplates, in visible locations unless required for operating instructions or by jurisdictional authorities.

2. Specified Products

2.1. Products specified by manufacturer's name, brand name or catalogue reference shall be the basis of the bid and shall be supplied for the Work without exception in any detail, subject to allowable substitutions as specified.

2.2. Where several proprietary products are specified, any one of the several will be acceptable.

2.3. For products specified by reference standards, the onus shall be on the supplier to establish that such products meet reference standard requirements. The Architect may require affidavits from the supplier, as specified in Section 01 33 00, or inspection and testing at the expense of the supplier, or both, to prove compliance. Products exceeding minimum requirements established by reference standards will be accepted for the Work if such products are compatible with and harmless to Work with which they are incorporated.

3. Substitution Of Products During Progress Of Work

3.1. Products substituted for those specified or approved, or both, shall be permitted only if the listed product cannot be delivered to maintain construction schedule and if the delay is caused by conditions beyond the Contractor's control.

3.2. Obtain approval for substitutions. Application for approval of substitutions shall be made only by Contractor. Process proposals for substituted Work in accordance with procedures established for changes in the Work.

3.3. Submit, with request for substitution, documentary evidence that substituted products are equal to, or superior to, approved products, and a comparison of price and delivery factors for both specified or approved products, and proposed substitute.

3.4. Ensure that substituted products can be both physically and dimensionally incorporated in the Work with no loss of intended function, performance, space or construction time, and that spare parts and service are readily available. The Contractor shall be responsible for additional installation costs, including architectural and engineering fees, required by incorporation of substituted products, and for adaptations made otherwise necessary to ensure that above requirements are satisfied.

4. Product Handling

4.1. Manufacture, pack, ship, deliver and store products so that no damage occurs to structural qualities and finish appearance, nor in any other way detrimental to their function or appearance, or both.

4.2. Ensure that products, while transported, stored or installed, are not exposed to an environment which would increase their moisture content beyond the maximum specified.

4.3. Schedule early delivery of products to enable Work to be executed without delay. Before delivery, arrange for receiving at site.

4.4. Deliver package products, and store until use, in original unopened wrapping or containers, with manufacturer's seals and labels intact.

4.5. Label packaged products to describe contents, quantity and other information as specified.

4.6. Product handling requirements may be repeated and additional requirements specified, in other Sections.

5. Storage & Protection

5.1. Coordinate material delivery to ensure that areas within or on building are available to receive them.

5.2. Store manufactured products in accordance with manufacturer's instructions, when such instructions are attached to products or submitted by him.

5.3. Store finished products and woodwork under cover at all times.

5.4. Store and handle flammable liquids and other hazardous materials in approved safety containers and as otherwise prescribed by safety authorities. Store no flammable liquids or other hazardous materials in bulk within the Project.

5.5. Storage and special protection requirements may be repeated, and additional requirements specified, in other Sections.

6. Defective Products & Work

6.1. Products and Work found defective; not in accordance with the Specifications; or defaced or injured through negligence of the Contractor, his employees or subcontractors, or by fire, weather or any other cause will be rejected for incorporation in the Work.

6.2. Remove rejected products and Work from the premises immediately.

6.3. Replace rejected products and Work with no delay after rejection. Provide replacement products and execute replacement Work precisely as required by the Specification for the defective Work replaced. Previous inspection and payment shall not relieve the Contractor from the obligation of providing sound and satisfactory Work in compliance with this Project Manual.

7. Workers, Suppliers & Subcontractors

7.1. Assign Work only to workers, suppliers, and Subcontractors who have complete knowledge, not only of the conditions of this Project Manual, but of jurisdictional requirements, and reference standards and specifications.

7.2. Give preference to use of local workers, suppliers, and Subcontractors wherever possible.

8. Workmanship

8.1. Unless otherwise specified in a more detailed manner, workmanship shall be of the highest quality recognized by trade executing the Work in accordance with standard practices, by the best methods recommended by the manufacturer of the Product, and as approved by the Architect.

END OF SECTION 01 61 00

SECTION 01 77 00 – CONTRACT CLOSEOUT

1. Section Includes

1.1. Final cleaning.

1.2. Spare parts and maintenance materials.

1.3. Take over procedures.

2. Related Sections

2.1. Individual Specifications Sections: Specific requirements for operation and maintenance data.

3. Final Cleaning

3.1. Refer to the General Conditions of Contract.

3.2. Before final inspection, replace glass and mirrors broken, damaged and etched during construction, or which are otherwise defective.

3.3. In addition to requirements for cleaning-up specified in General Conditions of the Contract, include in Work final cleaning by skilled cleaning specialists on completion of construction.

3.4. Remove temporary protections and make good defects before commencement of final cleaning.

3.5. Remove waste products and debris other than that caused by the Owner, other contractors or their employees, and leave the Work clean and suitable for occupancy by Owner.

3.6. Remove surplus products, tools, construction machinery and equipment. Remove waste products and debris other than that caused by the Owner or other Contractors.

3.7. Clean and polish glass, mirrors, hardware, wall tile, stainless steel, chrome, porcelain enamel, baked enamel, plastic laminate, mechanical and electrical fixtures. Replace broken, scratched or disfigured glass.

3.8. Remove stains, spots, marks and dirt from decorative work, electrical and mechanical fixtures, furniture fitments, walls, and floors and ceilings.

3.9. Vacuum clean and dust building interiors, behind grilles, louvres and screens as affected by Work.

3.10. Wax, seal, shampoo, buff or prepare floor finishes, as recommended by the manufacturer. Use products compatible with products used by building maintenance staff.

3.11. Broom clean and wash all horizontal and vertical surfaces as affected by Work.

3.12. Clean up and make good exterior grades, lawns, planting and surfaces after removal of temporary access and facilities.

3.13. Removing of visible labels left on materials, components, and equipment.

3.14. Maintain cleaning until Owner has taken possession of building or portions thereof.

4. Spare Parts And Maintenance Materials

4.1. Spare parts and maintenance materials provided shall be new, not damaged or defective, and of the same quality and manufacture as Products provided in the Work. If requested, furnish evidence as to type, source and quality of Products provided.

4.2. Defective Products will be rejected, regardless of previous inspections. Replace products at own expense.

4.3. Store spare parts and maintenance materials in a manner to prevent damage, or deterioration.

4.4. Provide spare parts, special tools, maintenance and extra materials in quantities specified in individual specification Sections.

4.5. Provide items of same manufacture and quality as items in the Work.

5. Demonstration Of Systems & Equipment

5.1. Give a complete demonstration of all systems and equipment in the presence of the Consultant at the following times:

5.2. When each is 100% completed at the request of the Contractor.

5.3. At time of inspection to validate final completion.

5.4. At final completion for the benefit of the maintenance staff for the Project.

5.5. Responsible personnel representing the Subcontractor responsible for the Work being demonstrated shall be present at each demonstration.

6. Submittals

6.1. Submit with application for substantial performance certificate.

6.1.1. Certificate of Substantial Performance inspection report from electrical utility or inspection.

6.1.2. Certificate of verification of fire alarm system.

6.1.3. Certificate from the Fire Marshal's Office and I.A.O. of final inspection of sprinkler system.

6.1.4. Air balance reports.

6.1.5. Other reports required or specified.

6.1.6. Maintenance Manuals and Operating Instructions.

6.2. Submit with application for release of final payment:

6.2.1. Final project record drawings.

6.2.2. Extra stock.

6.2.3. Performance bonds which shall remain in effect for one (1) year after take-over date.

6.2.4. Completed Liability Insurance Policy extended for one (1) year from take-over date.

6.2.5. Written guarantee covering all workmanship and materials used in the Work.

6.2.6. Maintenance bonds as specified.

6.2.7. Extended Warranties as specified

6.2.8. Certificate from Workers' Compensation Board.

6.2.9. Certificate from Health Services Tax Division.

7. Final Inspection Procedures

7.1. Schedule, make arrangements for and administer final inspections and close out in the following stages.

7.2. Contractor's Inspection:

7.2.1. Determination that Project meets requirements for substantial performance and inspection is the responsibility of the Contractor.

7.2.2. The Contractor and all Subcontractors shall conduct an inspection of the work, identify deficiencies and defects; repair as required. Notify the Consultant in writing of satisfactory completion of the contractor's Inspection and that corrections have been made. Request a Consultant's Substantial Performance Inspection.

7.3. Consultant's Inspection: Consultants and the Contractor will perform an inspection of the Work to identify obvious defects or deficiencies. The contractor shall correct Work accordingly.

7.4. Substantial Performance Inspection:

7.4.1. When the items noted above are complete, request a substantial performance inspection of the Work by the Consultant, and the Contractor. If Work is deemed incomplete by the Consultant, complete the outstanding items and request a re-inspection.

7.4.2. Substantial performance inspections shall be scheduled to begin within eight working days of the Contractor's request.

7.4.3. Present at the substantial performance inspection will be:

7.4.3.1. The Consultant and his Sub-consultants that he requires and notifies.

7.4.3.2. The Owner's representatives, upon notification by the Consultant.

7.4.3.3. The Contractor and such Subcontractors that he considers are required.

7.4.3.4. The Contractor will compile a substantial performance deficiency list at this inspection and issue it to the Consultant and Owner.

7.4.3.5. The Contractor shall correct substantial performance deficiencies before a date agreed upon by the Contractor and Consultant.

7.4.3.6. Upon the Consultant's approval of substantial performance, the Contractor shall submit an application for a substantial performance certificate.

7.4.3.7. When the Contractor has satisfied himself that these corrections have been completed in a satisfactory manner by his inspection he shall schedule a final Contractor's inspection by the Consultant, and the Owner's representatives if required, within five working days of the Contractor's request.

7.4.3.8. Upon the Consultant's approval of completion, the Contractor shall submit an application for a completion certificate.

8. Substantial Performance

8.1. The Consultant will issue a Certificate of Substantial Performance when satisfied outstanding deficiencies noted during inspections prior to the Substantial Performance inspection have been corrected, the Work is substantially complete and is so certified by the Owner.

8.2. A list of remaining deficiencies to be rectified before final acceptance will be attached to the Certificate of Substantial Performance.

8.3. Make submissions specified in Subparagraph 1.06 of this Section.

9. Certificate For Release Of Amount Due At Substantial performance

9.1. The Consultant will issue to the Owner a certificate for release of money in an amount equal to the amount due the Contractor under the Contract Documents provided the Consultant is satisfied the Work has been substantially completed.

9.2. The certificate shall indicate the date of substantial performance.

9.3. Payment shall be due in accordance with GC 5.4 and the Contract Documents.

10. Completion Certificate

10.1. The Consultant will issue a Certificate of Completion (DSS Document DC670-92) when he is satisfied that outstanding deficiencies noted during inspections have been corrected and the Work is completed and is so certified by the Owner.

10.2. The date of the completion certificate will commence the required sixty (60) day period before release of final payment.

11. Certificate For Release Of Final Payment

11.1. Subject to the provisions of the Contract Documents, the Consultant will issue to the Owner a certificate for release of final payment sixty (60) days after date of completion certificate providing he is satisfied the Work has been completed.

11.2. The certificate will be in an amount equal to the remaining money due the Contractor under the Contract, and shall indicate the date of final completion.

11.3. Payment shall be due upon date of final completion.

12. Warranties

12.1. Establishment of Warranties:

12.1.1. Warranties shall commence on the Ready-for-Takeover date.

12.2. Warranty Period:

12.2.1. The Owner will advise the Consultant of defects observed during warranty periods.

12.2.2. The Consultant will notify the Contractor of defects observed during warranty period and request him to remedy the defects in accordance with the Contractor documents.

12.2.3. Thirty (30) days before expiration of warranties the Owner's representatives, the Consultant and the Contractor will inspect the Work as arranged by the Contractor noting defects of products and workmanship.

12.2.4. The Contractor shall immediately remedy such noted defects.

END OF SECTION 01 77 00

CONTRACTOR'S CHECKLIST

Pre-Closing Reminder to Proponents:

- This Request for Proposals (RFP) is a **two-file process.**
  Please ensure that the submission instructions are followed carefully as noted in Section 00 21 13 – Information to Proponents to ensure your submission is compliant.

- Required Bid Security – (10% of the Contract price before HST)
- Please include a copy of your bid security in with your Price Submission file.

- Please submit your proposal to the submission email address: hrcetenders@hrce.ca

- The HRCE will use the CCDC-2, 2020 for this work. A copy of the Standard Construction Contract CCDC 2 – 2020 is available upon request and will form part of the contract documents.

- The HRCE Supplementary General Conditions for the CCDC-2, 2020 applicable for this work is available for review under Section 0073 00 of the RFP document.

Post Award Document Requirements:

- Certificate of Recognition from a safety audit organization, jointly signed with the WCB.
- Workers' Compensation Board Letter of Good Standing.
- Contract Security documentation – if required
- Insurance Certificate – As identified in the RFP.
- Schedule of Values
- Site Specific Safety Plan
- Hazard Assessment
- Listing of subcontractors
- Warranty information

The award letter will list the specific documents required and provide a submission timeframe.

A purchase order will be issued only after receipt of all required items.

Work is not authorized until purchase order is issued.

PROJECT EXPERIENCE AND REFERENCES FORM

Project #1 – The most recent HRCE project, if applicable.

Company Name	
Brief Project Description	
Project Manager Name	
Project Dollar Value $	
Reference Name and Position Title	
Reference Contact Info **- Email Address** **- Phone Number**	

PROJECT EXPERIENCE AND REFERENCES FORM

Project #2 – The next most recent HRCE project, if applicable

Company Name	
Brief Project Description	
Project Manager Name	
Project Dollar Value $	
Reference Name and Position Title	
Reference Contact Info **- Email Address** **- Phone Number**	

PROJECT EXPERIENCE AND REFERENCES FORM

Project #3 – Any recent project

Company Name	
Brief Project Description	
Project Manager Name	
Project Dollar Value $	
Reference Name and Position Title	
Reference Contact Info **- Email Address** **- Phone Number**	

PROJECT SAFETY PLAN OUTLINE

During the planning of each project, environmental and occupational health and safety issues will be assessed like any other key project component.

Prior to beginning a new project, tendering contractors shall examine the work area to identify potentially hazardous site specific situations.

Once identified, these hazards should be prioritized on this Hazard Assessments/Project Safety Plan Outline and corrective *actions* noted to eliminate or control each hazard. The dates of when and names of the persons who are responsible for completing the *action* should also be assigned.

Copies of the completed Safety Plan Outline shall be submitted post award, sent to the HRCE Operations Services Regional Manager, made available on the job site and communicated to the workers.

Project Name: _____

Project Location: _____

Project Start date: _____

Project End date: _____

Company Name: _____

Completed by: _____

Contractor's project manager)

Date: _____

Copy to: _____

PLANNING:

Does the Contractor's Occupational Health and Safety Program deal with the work activities associated with this project? ☐ Yes ☐ No

Describe tasks to be undertaken:_____

_____

_____

_____

HAZARDS ASSESSMENT:

Identify the hazards that could present themselves on this project (e.g. live electrical wires, over water, confined space, etc) and describe what steps will be taken to prevent an incident (e.g. cover up, de-energize, safe work practices, netting, etc). Prioritize from #1 as needing immediate action.

#	Hazard	Required Action	Completed by	Date
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

ENVIRONMENTAL ASSESSMENT:

Identify the environmental issues that could present themselves on this project (e.g. oil spills, asbestos, etc.) and describe the action that will betaken to eliminate or reduce the risk of occurrence (e.g. mop kits, air sampling, etc.)

#	Hazard	Required Action	Completed by	Date
1				
2				
3				
4				
5				

EMERGENCY RESPONSE:

In the event of an incident, pre-plan the response and write up the procedures. Minimally, the following list should be completed and posted on site:

Contact	Phone #	Contact	Phone #
Fire	911	Poison Control	902-470-8161
Ambulance	911	Dangerous Goods	1-888-226-8832
Doctor	911	Waste Disposal	311
Police	911	Insurance	
HRCE Office	902-464-2000	Min/Dept of Labour	1-844-424-5301
Min./Dept.of Transport.	(902) 424-2297	Min/Dept of Environment	1-800-565-1633

- Identify and arrange source of first aid, ambulance and rescue.
- Accidents will be reported to: _____
- Accidents will be investigated by: _____
- Back-up call to: _____
- HRCE # emergency/after hours: day 902-464-2000 after 4:00 pm 902-442-2476

SAFETY MEETINGS:

On this project, given the nature of the work and the anticipated size of the work force, the following frequency will apply:

Site meetings _____

Site Audits _____

Follow up with HRCE Manager: _____

SITE IMPLEMENTATION:

- Health and Safety Rep & Safety Committee:
  Establish liaison between HRCE, contractor, site administration First Aid, PPE, other safety items as required.

- Documentation:
  Applicable MSDS Safety program

  Applicable work procedures Permits

  First Aid Certification

TRAINING:

The following training/testing will be mandatory on site:

1. _____

   _____

2. _____

   _____

3. _____

   _____

April 4, 2024

HRCE – Halifax Regional Centre for Education
33 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7

Re: Hazardous Building Materials Assessment (Management)
Hammonds Plains Consolidated, 2180 Hammonds Plains Road, Hammonds Plains, NS
Pinchin File: 336128.013

HRCE – Halifax Regional Centre for Education (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment of Hammonds Plains Consolidated located at 2180 Hammonds Plains Road, Hammonds Plains, NS.

Pinchin performed the assessment between March 5 and March 7, 2024. The assessor was unaccompanied during the assessment. The assessment was completed outside of regular school hours when teachers and students were not present. The assessed area was only occupied by maintenance staff at the time of the assessment.

The objective of the assessment was to document the locations of specified hazardous building materials, evaluate their condition and develop corrective action plans as required. This assessment is only to be used for the purposes of long-term management and routine maintenance. The results of this assessment are not to be used for construction, renovation, demolition or project tendering purposes.

The **assessed area** consisted of all interior and exterior areas of the building accessible with a 6-foot ladder, excluding the roof.

The assessment was performed to establish the type of specified hazardous building materials, locations and approximate quantities incorporated in the structure(s) and its finishes.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Mould and Water Damage

1.0 RECOMMENDATIONS

1.1 On-going Management and Maintenance

The following recommendations regard on-going management and maintenance work involving the ACM identified.

1.1.1 Asbestos

Inspect all accessible confirmed and presumed ACM at reasonable intervals and update the written documentation annually, as required by provincial guidelines.

Update the asbestos inventory report for all new information obtained (i.e., new materials, change of condition, abatement performed).

Remove ACM before alteration or maintenance work if ACM may be disturbed. Follow appropriate asbestos precautions for the classification of work as per applicable regulations and guidelines.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

1.1.2 Lead

For paints identified as having low levels of lead (i.e., equal to or above 0.009% (90 mg/kg) but less than or equal to the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints special precautions are not recommended unless aggressive disturbance (grinding, blasting, torching) is planned.

Exposure from construction disturbance of paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

Items painted with paints containing elevated levels of lead may be a hazardous waste. Test lead-painted materials for leachable lead and other metals prior to disposal. Metallic components coated with lead paint do not require leachate testing and can be disposed of as non-hazardous construction and demolition (C&D) waste.

Lead-containing items should be recycled when taken out of service.

1.1.3 Silica

Disturbance of silica-containing products during maintenance activities may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with per applicable regulations and guidelines.

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1.1.4 Mercury

Do not break lamps. Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

1.2 Construction and Demolition

This assessment report does not provide sufficient detail to support renovation and demolition work. Therefore, perform a detailed intrusive assessment before building renovation or demolition operations. The assessment should include destructive testing (e.g., coring, removal of building finishes and components), and sampling of any other materials not tested (e.g., roofing materials, caulking, mastics).

2.0 BACKGROUND INFORMATION

2.1 Assessed Area Description Summary

Description Item	Details
Building Use	School
Floors Above Grade	One plus penthouse mechanical room
Floors Below Grade	Partial basement
Total Area (square feet)	52,519
Year of Construction	**Phase A**: 1967 **Phase B**: Year unknown, post 1967
Structure	Structural steel, concrete block
Exterior Cladding	Brick
HVAC	Boiler with radiators, mechanical room air handling units
Roof	Unknown (not assessed)
Flooring	Vinyl floor tiles, ceramic tile
Wall and Ceiling Finishes	Drywall, concrete block, lay-in ceiling tiles, Tectum wall panels

2.2 Existing Reports

2.2.1 Review of Previous Reports

A report provided by HRCE pre-dated 2000 and was not utilized, based on significant regulatory changes since the report publication date, and the likelihood that site conditions, including renovations, have resulted in significant changes for the reported information.

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3.0 FINDINGS

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

3.1 Asbestos

The following table summarizes the materials evaluated for asbestos in the assessed area. For details on approximate quantities, condition, friability, accessibility, and locations of hazardous building materials; refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI.

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0001 ABC	Ceiling, Other | Fireproofing (Fibrous) | Grey	None Detected	No	995 SF	
S0002 ABC	**Piping | Domestic Water (Hot and Cold) Parging Cement**	**Chrysotile**	**Yes**	**8 EA**	
S0003 ABC	Duct | Parging Cement	None Detected	No	8 SF	
S0004 ABC	Duct | Preformed Block | White	None Detected	No	40 SF	
S0005 ABCDE FG	Ceiling, Wall | Drywall and joint compound	None Detected	No	8,927 SF	
S0006 ABC	Other | Firestopping (mastic) | Red	None Detected	No	1 SF	
S0007 ABC	**Other | Door | Caulking | Brown**	**Chrysotile**	**Yes**	**7 LF**	
S0008 ABC	Duct | Mastic, Grey	None Detected	No	537 LF	
S0009 ABC	Floor | Vinyl Floor Tile and Mastic | 12" off white with grey and cream flecks	None Detected	No	8,399 SF	
S0010 ABC	Other | Caulking | Black butyl tape	None Detected	No	17 EA	
S0011 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" brown with brown and cream flecks**	**Chrysotile**	**Yes**	**1,626 SF**	**1**

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Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0012 ABC	**Floor | Vinyl Floor Tile and Mastic |12" white with light blue flecks**	**Chrysotile**	**Yes**	**3,495 SF**	**1**
S0013 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" dark green with flecks**	**Chrysotile**	**Yes**	**665 SF**	**1**
S0014 ABC	**Floor | Vinyl Floor Tile and Mastic |12" medium grey with grey and white flecks**	**Chrysotile**	**Yes**	**1,920 SF**	**1**
S0015 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" beige with brown streaks**	**Chrysotile**	**Yes**	**2,213 SF**	**1**
S0016 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" medium green with white and green flecks**	**Chrysotile**	**Yes**	**2,583 SF**	**1**
S0017 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" tan with beige flecks**	**Chrysotile**	**Yes**	**434 SF**	**1**
S0018 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" teal with green and white flecks**	**Chrysotile**	**Yes**	**1,090 SF**	**1**
S0019 ABC	Other | Sink | Mastic, Grey	None Detected	No	7 EA	
S0020 ABC	**Floor | Vinyl Floor Tile and Mastic | 9" green with white streaks**	**Chrysotile**	**Yes**	**2,200 SF**	**2**
S0021 ABC	Floor | Vinyl Floor Tile and Mastic | 12" medium blue with flecks	None Detected	No	165 SF	
S0022 ABC	Floor | Vinyl Floor Tile and Mastic | 12" blue with dark blue and white flecks	None Detected	No	2,500 SF	
S0023 ABC	Floor | Vinyl Floor Tile and Mastic | 12" white with beige flecks	None Detected	No	691 SF	
S0024 ABC	Floor | Vinyl Floor Tile and Mastic | 12" light brown with brown and cream flecks	None Detected	No	3,940 SF	
S0025 ABC	Floor | Vinyl Floor Tile and Mastic | 12" light beige with brown and white flecks	None Detected	No	275 SF	

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Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0026 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" off-white with red streaks**	**Chrysotile**	**Yes**	**1,250 SF**	**1**
S0027 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" yellow with red streaks**	**Chrysotile**	**Yes**	**355 SF**	**2**
S0028 ABC	**Wall | Caulking | Black**	**Chrysotile**	**Yes**	**24 LF**	
S0029 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" pale green with light green streaks**	**Chrysotile**	**Yes**	**718 SF**	**2**
S0030 ABC	Ceiling | Drywall and joint compound	None Detected	No	840 SF	
S0031 ABC	Floor | Vinyl Floor Tile and Mastic | 12" light blue with flecks	None Detected	No	490 SF	
S0032 ABC	Other | Door | Caulking | White	None Detected	No	25 LF	
S0033 ABC	Other | Door | Caulking | Brown	None Detected	No	18 LF	
V9000	**Floor | Vinyl Floor Tile and Mastic | 12" grey with grey and white flecks**	**Confirmed Asbestos**	**Yes**	**400 SF**	**3**
V9500	Duct | Mastic | Painted white	Presumed Asbestos	Yes	120 LF	4
V9500	Floor | Mortar | Ceramic tile thinset	Presumed Asbestos	Yes	3,931 SF	
V9500	Wall | Mortar | Ceramic tile thinset	Presumed Asbestos	Yes	7,035 SF	
V0000	Ceiling | Ceiling Tiles (lay-in) | 2'x4' pinhole and fleck, 2'x4' laminated drywall	Non-Asbestos	No	Throughout	
V0000	Floor | Vinyl Floor Tile and Mastic | 12" dark blue with flecks	Non-Asbestos	No	680 SF	5
V0000	Other | Caulking | Silicone	Non-Asbestos	No	Throughout	

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Material Specific Notes:

1. Mastic is asbestos-containing, and vinyl floor tiles are non-asbestos; however, due to the contamination of the vinyl tiles from the mastic, the tiles should be considered asbestos-containing for removal purposes.
2. Vinyl floor tile and mastic were both determined to be asbestos-containing.
3. Vinyl floor tiles and mastic were not sampled but are considered asbestos-containing based on homogenous installation with the sampled vinyl floor tiles present in the location (sample S0016).
4. Unable to verify colour of duct mastic due to height.
5. Vinyl floor tiles and mastic were not sampled but are considered non-asbestos based on homogenous installation with the sampled vinyl floor tiles present in the location (sample S0031).

General Notes:

Materials identified as Sample Number V9500 were either observed to be present or based on the construction of the building/equipment are likely present in concealed locations. These materials have not been sampled and are presumed to contain asbestos based on historical known use of asbestos. Sampling of these materials may be completed prior to disturbance.

Materials identified as Sample Number V0000 were determined to be non-asbestos based on the manufacture date and known end of use of asbestos in these products.

3.1.1 Excluded Asbestos Materials

The following is a list of materials which may contain asbestos and were excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven to be non-asbestos by sampling and analysis:

- Roofing felts and tar, mastics
- Floor levelling compound
- Electrical components
- Refractory materials and insulations in boilers, incinerators, and stacks
- Mechanical packing, ropes, and gaskets
- Fibre-reinforced paints and coatings
- Soffit and fascia boards
- Fire resistant doors

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- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads

3.2 Lead

Refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI for details on locations, condition and approximate quantities on paints sampled and their locations.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Notes
L0001	Wall | Concrete (poured) | White	410 mg/kg	Yes	6,460 SF	
L0002	Wall | Drywall and joint compound | White	<81 mg/kg	No	4,680 SF	
L0003	Wall | Masonry | White	<80 mg/kg	No	82,857 SF	
L0004	Wall | Masonry | Off-white	150 mg/kg	Yes	22,675 SF	
L0005	Wall | Masonry | Light grey	<80 mg/kg	No	980 SF	

General Notes:

Results less than or equal to 0.1% (1,000 mg/kg), but equal to or greater than 0.009% (90 mg/kg), are considered low-level lead paints or surface coatings in accordance with the EACC guideline.

Paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

3.2.1 Lead Products and Applications

Refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report for details on lead-products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Notes
V9500	Batteries In Emer. Lights	Yes	31 EA	
V9000	Bell And Spigot Fittings	Yes	2 EA	

General Notes:

Items identified as Sample Number V9500 were observed to be present but could not be definitively determined to contain lead (e.g., inaccessible batteries).

Items identified as Sample Number V9000 were observed to be present and were determined to contain lead based on visual observation (e.g., bell and spigot joints, lead shielding and flashing).

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3.2.2 Excluded Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections
- Glazing on ceramic tiles

3.3 Silica

Crystalline silica is a presumed component of the following materials:

- Concrete
- Masonry and mortar
- Ceramic tiles and grout
- Refractory or ceramic materials

3.4 Mercury

Refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI for details on mercury-containing products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Notes
V9000	Light Fixture	Yes	60 EA	
V9500	Light Fixture	Yes	406 EA	

General Notes:

Items identified as Sample Number V9500 were observed to be present but could not be definitively determined to contain mercury (e.g., inaccessible lamps and thermostats).

Items identified as Sample Number V9000 were observed to be present and were determined to contain mercury based on visual observation (e.g., labelled lamps and ampules in thermostats).

3.5 Polychlorinated Biphenyls

Refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI for details on PCB-products including their locations and quantities.

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Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Notes
P0001	Caulking | Black	<0.5 mg/kg	No	24 LF	
V0000	Light Ballasts		No		
V0000	Transformer		No		

General Notes:

Materials identified as Sample Number V0000 were determined to be non-PCB based on previous analytical results, the manufacture date and regulated restrictions of PCBs. It can also include items that historically may have contained PCBs; however, have been visually identified as non-PCB types (e.g., LED light fixtures).

3.5.1 Excluded PCB Materials

PCBs are known to be present in several materials and equipment which were not assessed or sampled. The following materials, where found, should be presumed to contain PCBs until sampling proves otherwise.

- Capacitors within or associated with electrical equipment
- Caulking and sealants (except where sampled)
- Paints

4.0 METHODOLOGY

Pinchin conducted a room-by-room assessment (rooms, corridors, service areas, exterior, etc.) to identify the hazardous building materials as defined in the scope.

The assessment was limited to non-intrusive testing. Concealed spaces such as those above solid ceilings and within shafts and pipe chases were accessed via existing access panels only. Destructive testing of flooring was not conducted (under carpets or multiple layers of flooring). Demolition of walls, solid ceilings, structural items, interior finishes or exterior building finishes, to determine the presence of concealed materials was not conducted. Sampling of roofing materials was not conducted.

For further details on the methodology including test methods and evaluation criteria, refer to Appendix III.

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5.0 REFERENCES

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

1. Nova Scotia Occupational Safety General Regulation (N.S. Reg. 53/2013).
2. A Guide to Removal of Friable Asbestos-Containing Material.
3. A Guide to Assessment and Management of Asbestos in the Workplace.
4. Asbestos Waste Management Regulations, N.S. Reg. 53/95.
5. Lead in the Workplace: A Guide to Working with Lead, revised January 18, 2019.
6. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
7. Guidelines for Disposal of Contaminated Solids in Landfills.
8. Nova Scotia Environment Act, 1994-95.
9. Mercury Diversion Standard, N.S. Reg. 161/2018.
10. PCB Management Regulations, N.S. Reg. 163/97.
11. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
12. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
13. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.
14. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.

6.0 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.

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7.0 CLOSURE

Contact the undersigned should you have any questions.

Sincerely,

Pinchin Ltd.

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Encl:

APPENDIX I	Drawings
APPENDIX II-A	Asbestos Analytical Certificates
APPENDIX II-B	Lead Analytical Certificates
APPENDIX II-C	PCB Analytical Certificates
APPENDIX III	Methodology
APPENDIX IV	Location Summary Report
APPENDIX V	Hazardous Materials Summary Report / Sample Log
APPENDIX VI	Confirmed and Presumed Report
APPENDIX VII	Photographs

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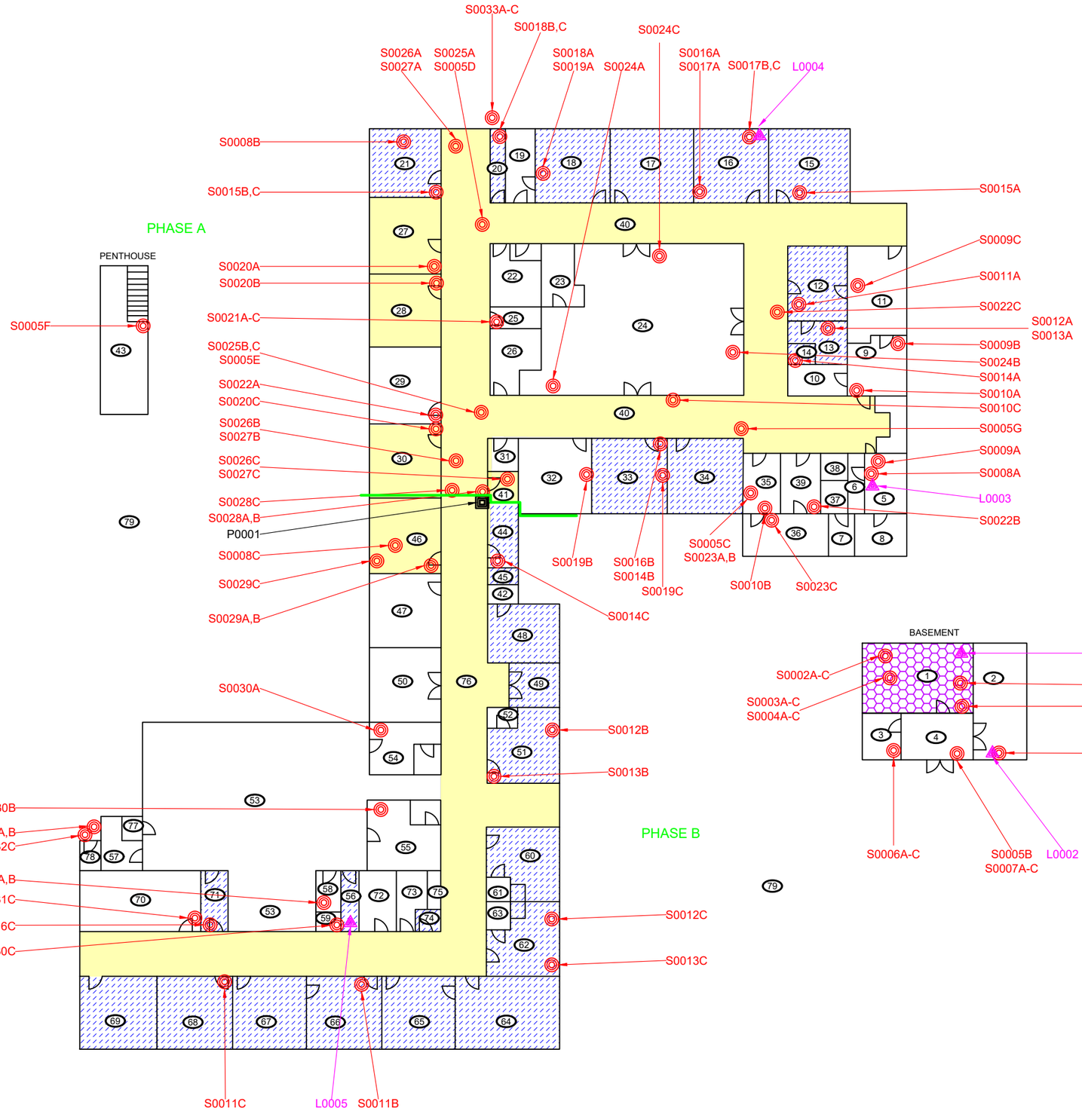
APPENDIX I
Drawings



N

LEGEND

- PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE
- PHASE DIVIDE

ASBESTOS-CONTAINING MATERIALS:

- THERMAL SYSTEM INSULATION
- FLOOR MASTIC
- VINYL FLOOR TILE AND MASTIC

FOR CLARITY, THE FOLLOWING ASBESTOS-CONTAINING MATERIALS, ARE PRESENT IN THE ASSESSED AREA, BUT HAVE NOT BEEN HATCHED ON THE DRAWING:

- CAULKING

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

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

PINCHIN

PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HALIFAX REGIONAL CENTRE FOR EDUCATION

PROJECT LOCATION:
HAMMONDS PLAINS CONSOLIDATED
2180 HAMMONDS PLAINS ROAD,
HAMMONDS PLAINS, NOVA SCOTIA

FIGURE NAME:
SAMPLE LOCATION PLAN

PROJECT NUMBER:	SCALE:
336128.013	NOT TO SCALE
DRAWN BY: NJ	REVIEWED BY: AP
DATE: MARCH 2024	FIGURE NUMBER: 1 OF 1

APPENDIX II-A
Asbestos Analytical Certificates

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name:	**HRCE, Hammonds Plains Consolidated, NS**
Project No.:	**0336128.013**
Prepared For:	**A. Penney / A. Thebeau**
Lab Reference No.:	**b309798**
Analyst(s):	**J. Stapleton / R. Janssen**

Date Received:	**March 8, 2024**	**Samples Submitted:**	**34**
Date Analyzed:	**March 12, 2024**	**Phases Analyzed:**	**34**

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309798
Date Analyzed: March 12, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001A Ceiling, All, Fireproofing (fibrous), Grey, Loc:1, Boiler Room	Homogeneous, white, fibrous material.	None Detected	Man-Made Vitreous Fibres > 75% Non-Fibrous Material 10-25%
S0001B Ceiling, All, Fireproofing (fibrous), Grey, Loc:1, Boiler Room	Homogeneous, white, fibrous material.	None Detected	Man-Made Vitreous Fibres > 75% Non-Fibrous Material 10-25%
S0001C Ceiling, All, Fireproofing (fibrous), Grey, Loc:1, Boiler Room	Homogeneous, white, fibrous material.	None Detected	Man-Made Vitreous Fibres > 75% Non-Fibrous Material 10-25%
S0002A Piping, Domestic Water (hot And Cold), Parging Cement, Loc:1, Boiler Room	Homogeneous, light grey, soft, parging cement.	Chrysotile 50-75%	Non-Fibrous Material 25-50%
S0002B Piping, Domestic Water (hot And Cold), Parging Cement, Loc:1, Boiler Room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0002C Piping, Domestic Water (hot And Cold), Parging Cement, Loc:1, Boiler Room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309798
Date Analyzed: March 12, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0003A Duct, Boiler Feed Water, Parging Cement, Loc:1, Boiler Room	Homogeneous, grey, soft, parging cement.	None Detected	Man-Made Vitreous Fibres 25-50% Non-Fibrous Material 50-75%
Comments:	Man-made vitreous fibre insulation and jacketing are present on the surface of this sample.		
S0003B Duct, Boiler Feed Water, Parging Cement, Loc:1, Boiler Room	Homogeneous, grey, soft, parging cement.	None Detected	Man-Made Vitreous Fibres 25-50% Non-Fibrous Material 50-75%
Comments:	Man-made vitreous fibre insulation and jacketing are present on the surface of this sample.		
S0003C Duct, Boiler Feed Water, Parging Cement, Loc:1, Boiler Room	Homogeneous, grey, soft, parging cement.	None Detected	Man-Made Vitreous Fibres 25-50% Non-Fibrous Material 50-75%
Comments:	Man-made vitreous fibre insulation and jacketing are present on the surface of this sample.		
S0004A Duct, Combustion Air, Preformed Block, White, Loc:1, Boiler Room	Homogeneous, peach, chalky material with fibres.	None Detected	Man-Made Vitreous Fibres 0.5-5% Synthetic Fibres 5-10% Non-Fibrous Material > 75%
S0004B Duct, Combustion Air, Preformed Block, White, Loc:1, Boiler Room	Homogeneous, peach, chalky material with fibres.	None Detected	Man-Made Vitreous Fibres 0.5-5% Synthetic Fibres 5-10% Non-Fibrous Material > 75%
S0004C Duct, Combustion Air, Preformed Block, White, Loc:1, Boiler Room	Homogeneous, peach, chalky material with fibres.	None Detected	Man-Made Vitreous Fibres 0.5-5% Synthetic Fibres 5-10% Non-Fibrous Material > 75%
S0005A Wall, All, Drywall And Joint Compound, Loc:2, Sprinkler Room	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

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Project No.: 0336128.013
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Lab Reference No.: b309798
Date Analyzed: March 12, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0005B Wall, Exterior, Drywall And Joint Compound, Loc:4, Basement Entryway	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0005C Wall, Interior, Drywall And Joint Compound, Loc:35, Copier Room	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0005D Ceiling, Drywall And Joint Compound, Loc:40, Hallway	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0005E Ceiling, Drywall And Joint Compound, Loc:40, Hallway	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0005F Wall, All, Drywall And Joint Compound, Loc:43, Air Handling Room	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0005G Ceiling, Drywall And Joint Compound, Loc:40, Hallway	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0006A Fire Stop, Firestopping (mastic), Red, Loc:3, Electrical Room	Homogeneous, red, mastic material.	None Detected	Man-Made Vitreous Fibres 0.5-5% Mica 0.5-5% Other Non-Fibrous > 75%
S0006B Fire Stop, Firestopping (mastic), Red, Loc:3, Electrical Room	Homogeneous, red, mastic material.	None Detected	Man-Made Vitreous Fibres 0.5-5% Mica 0.5-5% Other Non-Fibrous > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309798
Date Analyzed: March 12, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0006C Fire Stop, Firestopping (mastic), Red, Loc:3, Electrical Room	Homogeneous, red, mastic material.	None Detected	Man-Made Vitreous Fibres 0.5-5% Mica 0.5-5% Other Non-Fibrous > 75%
S0007A Door, Caulking, Brown, Loc:4, Basement Entryway	Homogeneous, brown, caulking material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S0007B Door, Caulking, Brown, Loc:4, Basement Entryway			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0007C Door, Caulking, Brown, Loc:4, Basement Entryway			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0008A Duct, Mastic, Grey, Loc:5, Reception Office	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0008B Duct, Mastic, Grey, Loc:21, Classroom	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0008C Duct, Mastic, Grey, Loc:46, Classroom	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0009A Floor, All, Vinyl Floor Tile And Mastic, 12" Off White With Grey And Cream Flecks, Loc:5, Reception Office	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected None Detected	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309798
Date Analyzed: March 12, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0009B Floor, All, Vinyl Floor Tile And Mastic, 12" Off White With Grey And Cream Flecks, Loc:9, Classroom	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0009C Floor, All, Vinyl Floor Tile And Mastic, 12" Off White With Grey And Cream Flecks, Loc:11, Classroom	3 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
	c) Homogeneous, grey, levelling compound.	None Detected	Non-Fibrous Material > 75%
S0010A Window, Tape, Black Butyl Tape, Loc:9, Classroom	Homogeneous, black, soft, caulking material.	None Detected	Non-Fibrous Material > 75%
S0010B Window, Tape, Black Butyl Tape, Loc:35, Copier Room	Homogeneous, black, soft, caulking material.	None Detected	Non-Fibrous Material > 75%
S0010C Window, Tape, Black Butyl Tape, Loc:40, Hallway	Homogeneous, black, soft, caulking material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Jason Stapleton
2024.03.12 16:20:58-03'00'

Reporting Analyst:

Pinchin Ltd.
2024.03.12 16:04:10-03'00'

Analyzed By: JS / RS

Reviewed By: JS

Report Sent By:

Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody

Client Name:	HRCE			**Project Address:**	NS		
Portfolio/Building No:	Hammonds Plains Consolidated			**Pinchin File:**	336128.013		
Submitted by:	A Penney			**Email:**	apenney@pinchin.com		
CC Results to:	A Thebeau			**CC Email:**	athebeau@pinchin.com		
Date Submitted:	March	08	2024	**Required by:**	Month	Day	2024
# of Samples:	34			**Priority:**	5 Day Turnaround		
Year of Building Construction (*Mandatory, Years ONLY*):	1967						
Do NOT Stop on Positive (Sample Numbers):	S0005						
Pinchin Group Company (*Mandatory Field*):	Pinchin						
HMIS2 Building Reference #:	131065/20242561951889						
To be Completed by Lab Personnel Only:							
Lab Reference #:	b309798			**Time:**	24 hour clock		
Received by:	Reid Janssen			**Date:**	March	8	2024
Name(s) of Analyst(s):	J. Stapleton / R. Janssen						

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Ceiling,All,Fireproofing (fibrous),Grey,Loc:1,Boiler Room ND
S	0001	B	Ceiling,All,Fireproofing (fibrous),Grey,Loc:1,Boiler Room ND
S	0001	C	Ceiling,All,Fireproofing (fibrous),Grey,Loc:1,Boiler Room ND
S	0002	A	Piping,Domestic Water (hot And Cold),Parging Cement,Loc:1,Boiler Room C4 50-75
S	0002	B	Piping,Domestic Water (hot And Cold),Parging Cement,Loc:1,Boiler Room (NA)
S	0002	C	Piping,Domestic Water (hot And Cold),Parging Cement,Loc:1,Boiler Room (NA)
S	0003	A	Duct,Boiler Feed Water,Parging Cement,Loc:1,Boiler Room ND

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0003	B	Duct,Boiler Feed Water,Parging Cement,Loc:1,Boiler Room ND
S	0003	C	Duct,Boiler Feed Water,Parging Cement,Loc:1,Boiler Room ND
S	0004	A	Duct,Combustion Air,Preformed Block,White,Loc:1,Boiler Room ND
S	0004	B	Duct,Combustion Air,Preformed Block,White,Loc:1,Boiler Room ND
S	0004	C	Duct,Combustion Air,Preformed Block,White,Loc:1,Boiler Room ND
S	0005	A	Wall,All,Drywall And Joint Compound,Loc:2,Sprinkler Room ND
S	0005	B	Wall,Exterior,Drywall And Joint Compound,Loc:4,Basement Entryway ND
S	0005	C	Wall,Interior,Drywall And Joint Compound,Loc:35,Copier Room ND
S	0005	D	Ceiling,Drywall And Joint Compound,Loc:40,Hallway ND
S	0005	E	Ceiling,Drywall And Joint Compound,Loc:40,Hallway ND
S	0005	F	Wall,All,Drywall And Joint Compound,Loc:43,Air Handling Room ND
S	0005	G	Ceiling,Drywall And Joint Compound,Loc:40,Hallway ND
S	0006	A	Fire Stop,Firestopping (mastic),Red,Loc:3,Electrical Room ND
S	0006	B	Fire Stop,Firestopping (mastic),Red,Loc:3,Electrical Room ND
S	0006	C	Fire Stop,Firestopping (mastic),Red,Loc:3,Electrical Room ND

IS

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0007	A	Door,Caulking,Brown,Loc:4,Basement Entryway CH 0.5-5
S	0007	B	Door,Caulking,Brown,Loc:4,Basement Entryway (NA)
S	0007	C	Door,Caulking,Brown,Loc:4,Basement Entryway (NA)
S	0008	A	Duct,Mastic, Grey,Loc:5,Reception Office ND
S	0008	B	Duct,Mastic, Grey,Loc:21,Classroom ND
S	0008	C	Duct,Mastic, Grey,Loc:46,Classroom ND
S	0009	A	Floor,All,Vinyl Floor Tile And Mastic,12" Off White With Grey And Cream Flecks,Loc:5,Reception Office a) ND b) ND
S	0009	B	Floor,All,Vinyl Floor Tile And Mastic,12" Off White With Grey And Cream Flecks,Loc:9,Classroom a) ND b) ND
S	0009	C	Floor,All,Vinyl Floor Tile And Mastic,12" Off White With Grey And Cream Flecks,Loc:11,Classroom a) ND b) ND c) ND
S	0010	A	Window,Tape,Black Butyl Tape,Loc:9,Classroom ND
S	0010	B	Window,Tape,Black Butyl Tape,Loc:35,Copier Room ND
S	0010	C	Window,Tape,Black Butyl Tape,Loc:40,Hallway ND

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Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name:	**HRCE, Hammonds Plains Consolidated, NS**		
Project No.:	**0336128.013**		
Prepared For:	**A. Penney / A. Thebeau**		
Lab Reference No.:	**b309799**		
Analyst(s):	**J. Stapleton**		
Date Received:	**March 8, 2024**	**Samples Submitted:**	**33**
Date Analyzed:	**March 14, 2024**	**Phases Analyzed:**	**44**

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

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Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0011A Floor, All, Vinyl Floor Tile And Mastic, 12" Brown With Brown And Cream Flecks, Loc:12, Classroom	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0011B Floor, All, Vinyl Floor Tile And Mastic, 12" Brown With Brown And Cream Flecks, Loc:66, Classroom	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0011C Floor, All, Vinyl Floor Tile And Mastic, 12" Brown With Brown And Cream Flecks, Loc:68, Classroom	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0012A Floor, All, Vinyl Floor Tile And Mastic, 12" White With Light Blue Flecks, Loc:13, Classroom	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0012B Floor, All, Vinyl Floor Tile And Mastic, 12" White With Light Blue Flecks, Loc:51, Classroom	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0012C Floor, All, Vinyl Floor Tile And Mastic, 12" White With Light Blue Flecks, Loc:62, Classroom	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0013A Floor, All, Vinyl Floor Tile And Mastic, 12" Dark Green With Flecks, Loc:13, Classroom	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0013B Floor, All, Vinyl Floor Tile And Mastic, 12" Dark Green With Flecks, Loc:51, Classroom	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0013C Floor, All, Vinyl Floor Tile And Mastic, 12" Dark Green With Flecks, Loc:62, Classroom	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0014A Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Grey With Grey And White Flecks, Loc:14, Office	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0014B Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Grey With Grey And White Flecks, Loc:33, Classroom	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0014C Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Grey With Grey And White Flecks, Loc:44, Storage Room	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0015A Floor, All, Vinyl Floor Tile And Mastic, 12" Beige With Brown Streaks, Loc:15, Classroom	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0015B Floor, All, Vinyl Floor Tile And Mastic, 12" Beige With Brown Streaks, Loc:21, Classroom	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0015C Floor, All, Vinyl Floor Tile And Mastic, 12" Beige With Brown Streaks, Loc:21, Classroom	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0016A Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Green With White And Green Flecks, Loc:16, Classroom	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0016B Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Green With White And Green Flecks, Loc:33, Classroom	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0016C Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Green With White And Green Flecks, Loc:71, Stage Hallway	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0017A Floor, All, Vinyl Floor Tile And Mastic, 12" Tan With Beige Flecks, Loc:16, Classroom	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Non-homogeneous, black and yellow, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0017B Floor, All, Vinyl Floor Tile And Mastic, 12" Tan With Beige Flecks, Loc:16, Classroom	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Non-homogeneous, black and yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0017C Floor, All, Vinyl Floor Tile And Mastic, 12" Tan With Beige Flecks, Loc:16, Classroom	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Non-homogeneous, black and yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0018A Floor, All, Vinyl Floor Tile And Mastic, 12" Teal With Green And Wite Flecks, Loc:18, Classroom	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0018B Floor, All, Vinyl Floor Tile And Mastic, 12" Teal With Green And Wite Flecks, Loc:20, Janitor Room	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0018C Floor, All, Vinyl Floor Tile And Mastic, 12" Teal With Green And Wite Flecks, Loc:20, Janitor Room	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0019A Sink, Mastic, Grey, Loc:18, Classroom	Homogeneous, grey, mastic material.	None Detected	Cellulose 25-50% Non-Fibrous Material 50-75%
S0019B Sink, Mastic, Grey, Loc:32, Classroom	Homogeneous, grey, mastic material.	None Detected	Cellulose 25-50% Non-Fibrous Material 50-75%
S0019C Sink, Mastic, Grey, Loc:33, Classroom	Homogeneous, grey, mastic material.	None Detected	Cellulose 25-50% Non-Fibrous Material 50-75%
S0020A Floor, All, Vinyl Floor Tile And Mastic, 9" Green With White Streaks, Loc:27, Classroom	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5% Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0020B Floor, All, Vinyl Floor Tile And Mastic, 9" Green With White Streaks, Loc:28, Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0020C Floor, All, Vinyl Floor Tile And Mastic, 9" Green With White Streaks, Loc:30, Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309799
Date Analyzed: March 14, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0021A Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Blue With Flecks, Loc:25, Caretaker Office	2 Phases: a) Homogeneous, dark blue, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
S0021B Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Blue With Flecks, Loc:25, Caretaker Office	3 Phases: a) Homogeneous, dark blue, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
	c) Homogeneous, grey, levelling compound.	None Detected	Non-Fibrous Material > 75%
S0021C Floor, All, Vinyl Floor Tile And Mastic, 12" Medium Blue With Flecks, Loc:25, Caretaker Office	2 Phases: a) Homogeneous, dark blue, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%

Reviewed by:

Jason Stapleton
2024.03.14 16:58:44-03'00'

Reporting Analyst:

Pinchin Ltd.
2024.03.14 16:58:15-03'00'

Analyzed By: JS 1RJ

Reviewed By: JS

Report Sent By:

Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody

Client Name:	HRCE			**Project Address:**	NS		
Portfolio/Building No:	Hammonds Plains Consolidated			**Pinchin File:**	336128.013		
Submitted by:	A Penney			**Email:**	apenney@pinchin.com		
CC Results to:	A Thebeau			**CC Email:**	athebeau@pinchin.com		
Date Submitted:	March	08	2024	**Required by:**	Month	Day	2024
# of Samples:	33			**Priority:**	5 Day Turnaround		
Year of Building Construction (*Mandatory, Years ONLY*):				1967			
Do NOT Stop on Positive (Sample Numbers):							
Pinchin Group Company (*Mandatory Field*):				Pinchin			
HMIS2 Building Reference #:				131065/20242561951889			
To be Completed by Lab Personnel Only:							
Lab Reference #:	b309799			**Time:**	24 hour clock		
Received by:	Reid Janssen			**Date:**	March	8	2024
Name(s) of Analyst(s):	J. Stapleton / R. Janssen						

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0011	A	Floor,All,Vinyl Floor Tile And Mastic,12" Brown With Brown And Cream Flecks,Loc:12,Classroom a) ND b) CH 0.5-5
S	0011	B	Floor,All,Vinyl Floor Tile And Mastic,12" Brown With Brown And Cream Flecks,Loc:66,Classroom a) ND b) (NA)
S	0011	C	Floor,All,Vinyl Floor Tile And Mastic,12" Brown With Brown And Cream Flecks,Loc:68,Classroom a) ND b) (NA)
S	0012	A	Floor,All,Vinyl Floor Tile And Mastic,12" White With Light Blue Flecks,Loc:13,Classroom a) ND b) CH 0.5-5
S	0012	B	Floor,All,Vinyl Floor Tile And Mastic,12" White With Light Blue Flecks,Loc:51,Classroom a) ND b) (NA)
S	0012	C	Floor,All,Vinyl Floor Tile And Mastic,12" White With Light Blue Flecks,Loc:62,Classroom a) ND b) (NA)
S	0013	A	Floor,All,Vinyl Floor Tile And Mastic,12" Dark Green With Flecks,Loc:13,Classroom a) ND b) CH 0.5-5

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0013	B	Floor,All,Vinyl Floor Tile And Mastic,12" Dark Green With Flecks,Loc:51,Classroom a) ND b) (NA)
S	0013	C	Floor,All,Vinyl Floor Tile And Mastic,12" Dark Green With Flecks,Loc:62,Classroom a) ND b) (NA)
S	0014	A	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Grey With Grey And White Flecks,Loc:14,Office a) ND b) CH0.5-5
S	0014	B	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Grey With Grey And White Flecks,Loc:33,Classroom a) ND b) (NA)
S	0014	C	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Grey With Grey And White Flecks,Loc:44,Storage Room a) ND b) (NA)
S	0015	A	Floor,All,Vinyl Floor Tile And Mastic,12" Beige With Brown Streaks,Loc:15,Classroom a) ND b) CH0.5-5
S	0015	B	Floor,All,Vinyl Floor Tile And Mastic,12" Beige With Brown Streaks,Loc:21,Classroom a) ND b) (NA)
S	0015	C	Floor,All,Vinyl Floor Tile And Mastic,12" Beige With Brown Streaks,Loc:21,Classroom a) ND b) (NA)
S	0016	A	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Green With White And Green Flecks,Loc:16,Classroom a) ND b) CH0.5-5
S	0016	B	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Green With White And Green Flecks,Loc:33,Classroom a) ND b) (NA)
S	0016	C	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Green With White And Green Flecks,Loc:71,Stage Hallway a) ND b) (NA)
S	0017	A	Floor,All,Vinyl Floor Tile And Mastic,12" Tan With Beige Flecks,Loc:16,Classroom a) ND b) CH0.5-5
S	0017	B	Floor,All,Vinyl Floor Tile And Mastic,12" Tan With Beige Flecks,Loc:16,Classroom a) ND b) (NA)
S	0017	C	Floor,All,Vinyl Floor Tile And Mastic,12" Tan With Beige Flecks,Loc:16,Classroom a) ND b) (NA)
S	0018	A	Floor,All,Vinyl Floor Tile And Mastic,12" Teal With Green And Wite Flecks,Loc:18,Classroom a) ND b) CH0.5-5

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0018	B	Floor,All,Vinyl Floor Tile And Mastic,12" Teal With Green And Wite Flecks,Loc:20,Janitor Room a) ND b) (NA)
S	0018	C	Floor,All,Vinyl Floor Tile And Mastic,12" Teal With Green And Wite Flecks,Loc:20,Janitor Room a) ND b) (NA)
S	0019	A	Sink,Mastic, Grey,Loc:18,Classroom ND
S	0019	B	Sink,Mastic, Grey,Loc:32,Classroom ND
S	0019	C	Sink,Mastic, Grey,Loc:33,Classroom ND
S	0020	A	Floor,All,Vinyl Floor Tile And Mastic,9" Green With White Streaks,Loc:27,Classroom a) Chr 0.5-5 b) CH 0.5-5
S	0020	B	Floor,All,Vinyl Floor Tile And Mastic,9" Green With White Streaks,Loc:28,Classroom (NA)
S	0020	C	Floor,All,Vinyl Floor Tile And Mastic,9" Green With White Streaks,Loc:30,Classroom (NA)
S	0021	A	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Blue With Flecks,Loc:25,Caretaker Office a) ND b) ND
S	0021	B	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Blue With Flecks,Loc:25,Caretaker Office a) ND b) ND c) ND
S	0021	C	Floor,All,Vinyl Floor Tile And Mastic,12" Medium Blue With Flecks,Loc:25,Caretaker Office a) ND b) ND

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Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name:	**HRCE, Hammonds Plains Consolidated, NS**		
Project No.:	**0336128.013**		
Prepared For:	**A. Penney / A. Thebeau**		
Lab Reference No.:	**b309800**		
Analyst(s):	**Y. Yan**		
Date Received:	**March 8, 2024**	**Samples Submitted:**	**36**
Date Analyzed:	**March 15, 2024**	**Phases Analyzed:**	**56**

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, ' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: **HRCE, Hammonds Plains Consolidated, NS**
Project No.: **0336128.013**
Prepared For: **A. Penney / A. Thebeau**

Lab Reference No.: **b309800**
Date Analyzed: **March 15, 2024**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0022A Floor, All, Vinyl Floor Tile And Mastic, 12" Blue With Dark Blue And White Flecks, Loc:29, Classroom	2 Phases: a) Homogeneous, blue grey, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0022B Floor, All, Vinyl Floor Tile And Mastic, 12" Blue With Dark Blue And White Flecks, Loc:39, Staff Area Hallway	2 Phases: a) Homogeneous, teal, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0022C Floor, All, Vinyl Floor Tile And Mastic, 12" Blue With Dark Blue And White Flecks, Loc:40, Hallway	2 Phases: a) Homogeneous, teal, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Phase b) of this sample is small in size. For more reliable results, a larger sample is required.		
S0023A Floor, All, Vinyl Floor Tile And Mastic, 12" White With Beige Flecks, Loc:35, Copier Room	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0023B Floor, All, Vinyl Floor Tile And Mastic, 12" White With Beige Flecks, Loc:35, Copier Room	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0023C Floor, All, Vinyl Floor Tile And Mastic, 12" White With Beige Flecks, Loc:36, Staff Room	3 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
	c) Homogeneous, grey, levelling compound.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase c) of this sample is small in size. For more reliable results, a larger sample is required.		
S0024A Floor, All, Vinyl Floor Tile And Mastic, 12" Light Brown With Brown And Cream Flecks, Loc:24, Cafeteria	2 Phases: a) Homogeneous, pale beige, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Phase b) of this sample is small in size. For more reliable results, a larger sample is required.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0024B Floor, All, Vinyl Floor Tile And Mastic, 12" Light Brown With Brown And Cream Flecks, Loc:24, Cafeteria	2 Phases: a) Homogeneous, light brown, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Phase b) of this sample is small in size. For more reliable results, a larger sample is required.		
S0024C Floor, All, Vinyl Floor Tile And Mastic, 12" Light Brown With Brown And Cream Flecks, Loc:24, Cafeteria	2 Phases: a) Homogeneous, light brown, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Phase b) of this sample is small in size. For more reliable results, a larger sample is required.		
S0025A Floor, All, Vinyl Floor Tile And Mastic, 12" Light Beige With Brown And White Flecks, Loc:40, Hallway	2 Phases: a) Homogeneous, pale beige, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE) ASBESTOS		OTHER	
S0025B Floor, All, Vinyl Floor Tile And Mastic, 12" Light Beige With Brown And White Flecks, Loc:40, Hallway	3 Phases: a) Homogeneous, pale beige, consolidated, vinyl floor tile.	None Detected		Non-Fibrous Material	> 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected		Tar and other Non-Fibrous Material	> 75%
	c) Homogeneous, light grey, levelling compound.	None Detected		Non-Fibrous Material	> 75%
S0025C Floor, All, Vinyl Floor Tile And Mastic, 12" Light Beige With Brown And White Flecks, Loc:40, Hallway	3 Phases: a) Homogeneous, pale beige, consolidated, vinyl floor tile.	None Detected		Non-Fibrous Material	> 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected		Tar and other Non-Fibrous Material	> 75%
	c) Homogeneous, light grey, levelling compound.	None Detected		Non-Fibrous Material	> 75%
S0026A Floor, All, Vinyl Floor Tile And Mastic, 12" Off-white With Red Streaks, Loc:40, Hallway	2 Phases: a) Homogeneous, off-white, consolidated, vinyl floor tile.	None Detected		Non-Fibrous Material	> 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile	0.5-5%	Tar and other Non-Fibrous Material	> 75%
Comments:	Levelling compound is present but there was insufficient material submitted to analyze.				

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0026B Floor, All, Vinyl Floor Tile And Mastic, 12" Off-white With Red Streaks, Loc:40, Hallway	2 Phases: a) Homogeneous, off-white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0026C Floor, All, Vinyl Floor Tile And Mastic, 12" Off-white With Red Streaks, Loc:41, Office	2 Phases: a) Homogeneous, off-white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75% Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0027A Floor, All, Vinyl Floor Tile And Mastic, 12" Yellow With Red Streaks, Loc:40, Hallway	2 Phases: a) Homogeneous, orange, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5% Chrysotile 0.5-5%	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
Comments:	Phase b) of this sample is small in size. For more reliable results, a larger sample is required.		
S0027B Floor, All, Vinyl Floor Tile And Mastic, 12" Yellow With Red Streaks, Loc:40, Hallway			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0027C Floor, All, Vinyl Floor Tile And Mastic, 12" Yellow With Red Streaks, Loc:41, Office			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0028A Wall, Caulking, Black, Loc:40, Hallway	Homogeneous, black, caulking material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S0028B Wall, Caulking, Black, Loc:40, Hallway			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0028C Wall, Caulking, Black, Loc:40, Hallway			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0029A Floor, All, Vinyl Floor Tile And Mastic, 12" Pale Green With Light Green Streaks, Loc:46, Classroom	3 Phases: a) Homogeneous, light green, consolidated, vinyl floor tile.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5%	Tar and other Non-Fibrous Material > 75%
	c) Homogeneous, white, levelling compound.	None Detected	Non-Fibrous Material > 75%
Comments:	Phase c) of this sample is small in size. For more reliable results, a larger sample is required.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0029B Floor, All, Vinyl Floor Tile And Mastic, 12" Pale Green With Light Green Streaks, Loc:46, Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0029C Floor, All, Vinyl Floor Tile And Mastic, 12" Pale Green With Light Green Streaks, Loc:46, Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0030A Ceiling, All, Drywall And Joint Compound, Loc:54, Locker/Storage Room	2 Phases: a) Homogeneous, light grey, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
Comments:	Fabric reinforcement and drywall are present on the surface of this sample.		
S0030B Ceiling, All, Drywall And Joint Compound, Loc:55, Locker/Storage Room	2 Phases: a) Homogeneous, light grey, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0030C Ceiling, All, Drywall And Joint Compound, Loc:59, Washroom	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
Comments:	Drywall is present on the surface of this sample.		
S0031A Floor, All, Vinyl Floor Tile And Mastic, 12" Light Blue With Flecks, Loc:58, Gym Office	3 Phases: a) Homogeneous, blue, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
	c) Homogeneous, light grey, levelling compound.	None Detected	Non-Fibrous Material > 75%
S0031B Floor, All, Vinyl Floor Tile And Mastic, 12" Light Blue With Flecks, Loc:58, Gym Office	2 Phases: a) Homogeneous, blue, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0031C Floor, All, Vinyl Floor Tile And Mastic, 12" Light Blue With Flecks, Loc:70, Music Room	3 Phases: a) Homogeneous, blue, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
	c) Homogeneous, light grey, levelling compound.	None Detected	Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, Hammonds Plains Consolidated, NS
Project No.: 0336128.013
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b309800
Date Analyzed: March 15, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0032A Door, Caulking, White, Loc:79, Exterior	Homogeneous, off-white, caulking material.	None Detected	Non-Fibrous Material > 75%
S0032B Door, Caulking, White, Loc:79, Exterior	Homogeneous, off-white, caulking material.	None Detected	Non-Fibrous Material > 75%
S0032C Door, Caulking, White, Loc:79, Exterior	Homogeneous, off-white, caulking material.	None Detected	Non-Fibrous Material > 75%
S0033A Door, Caulking, Brown, Loc:79, Exterior	Homogeneous, brown, caulking material.	None Detected	Non-Fibrous Material > 75%
S0033B Door, Caulking, Brown, Loc:79, Exterior	Homogeneous, brown, caulking material.	None Detected	Non-Fibrous Material > 75%
S0033C Door, Caulking, Brown, Loc:79, Exterior	Homogeneous, brown, caulking material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Jason Stapleton
2024.03.15 13:22:04-03'00'

Reporting Analyst:

Yewen Yan
2024.03.15 10:30:23-03'00'

Analyzed By: Y/

Reviewed By: _ QS

Report Sent By: _____

Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody

Client Name:	HRCE			**Project Address:**	NS		
Portfolio/Building No:	Hammonds Plains Consolidated			**Pinchin File:**	336128.013		
Submitted by:	A Penney			**Email:**	apenney@pinchin.com		
CC Results to:	A Thebeau			**CC Email:**	athebeau@pinchin.com		
Date Submitted:	March	08	2024	**Required by:**	Month	Day	2024
# of Samples:	36			**Priority:**	5 Day Turnaround		
Year of Building Construction (*Mandatory, Years ONLY*):				1967			
Do NOT Stop on Positive (Sample Numbers):				S0030			
Pinchin Group Company (*Mandatory Field*):				Pinchin			
HMIS2 Building Reference #:				131065/20242561951889			
To be Completed by Lab Personnel Only:							
Lab Reference #:	b309800			**Time:**	24 hour clock		
Received by:	Reid Janssen			**Date:**	March	8	2024
Name(s) of Analyst(s):	Y./an						

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0022	A	Floor,All,Vinyl Floor Tile And Mastic,12" Blue With Dark Blue And White Flecks,Loc:29,Classroom a) ND b) ND
S	0022	B	Floor,All,Vinyl Floor Tile And Mastic,12" Blue With Dark Blue And White Flecks,Loc:39,Staff Area Hallway a) ND b) ND
S	0022	C	Floor,All,Vinyl Floor Tile And Mastic,12" Blue With Dark Blue And White Flecks,Loc:40,Hallway a) ND b) ND
S	0023	A	Floor,All,Vinyl Floor Tile And Mastic,12" White With Beige Flecks,Loc:35,Copier Room a) ND b) ND
S	0023	B	Floor,All,Vinyl Floor Tile And Mastic,12" White With Beige Flecks,Loc:35,Copier Room a) ND b) ND
S	0023	C	Floor,All,Vinyl Floor Tile And Mastic,12" White With Beige Flecks,Loc:36,Staff Room a) ND b) ND c) ND
S	0024	A	Floor,All,Vinyl Floor Tile And Mastic,12" Light Brown With Brown And Cream Flecks,Loc:24,Cafeteria a) ND b) ND

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0024	B	Floor,All,Vinyl Floor Tile And Mastic,12" Light Brown With Brown And Cream Flecks,Loc:24,Cafeteria a)ND b)ND
S	0024	C	Floor,All,Vinyl Floor Tile And Mastic,12" Light Brown With Brown And Cream Flecks,Loc:24,Cafeteria a) ND b)ND
S	0025	A	Floor,All,Vinyl Floor Tile And Mastic,12" Light Beige With Brown And White Flecks,Loc:40,Hallway a) ND b)ND
S	0025	B	Floor,All,Vinyl Floor Tile And Mastic,12" Light Beige With Brown And White Flecks,Loc:40,Hallway a) ND b) ND c) ND
S	0025	C	Floor,All,Vinyl Floor Tile And Mastic,12" Light Beige With Brown And White Flecks,Loc:40,Hallway a) ND b)ND c)ND
S	0026	A	Floor,All,Vinyl Floor Tile And Mastic,12" Off-white With Red Streaks,Loc:40,Hallway a)ND b)CH:0.5-5%
S	0026	B	Floor,All,Vinyl Floor Tile And Mastic,12" Off-white With Red Streaks,Loc:40,Hallway a) ND b) (NA)
S	0026	C	Floor,All,Vinyl Floor Tile And Mastic,12" Off-white With Red Streaks,Loc:41,Office a)ND b) (NA)
S	0027	A	Floor,All,Vinyl Floor Tile And Mastic,12" Yellow With Red Streaks,Loc:40,Hallway a)CH:0.5-5% b)CH:0.5-5%
S	0027	B	Floor,All,Vinyl Floor Tile And Mastic,12" Yellow With Red Streaks,Loc:40,Hallway (NA)
S	0027	C	Floor,All,Vinyl Floor Tile And Mastic,12" Yellow With Red Streaks,Loc:41,Office (NA)
S	0028	A	Wall,Caulking,Black,Loc:40,Hallway CH:0.5-5%
S	0028	B	Wall,Caulking,Black,Loc:40,Hallway (NA)
S	0028	C	Wall,Caulking,Black,Loc:40,Hallway (NA)
S	0029	A	Floor,All,Vinyl Floor Tile And Mastic,12" Pale Green With Light Green Streaks,Loc:46,Classroom a)CH:0.5-5% b)CH:0.5-5% c) ND

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0029	B	Floor,All,Vinyl Floor Tile And Mastic,12" Pale Green With Light Green Streaks,Loc:46,Classroom (NA)
S	0029	C	Floor,All,Vinyl Floor Tile And Mastic,12" Pale Green With Light Green Streaks,Loc:46,Classroom (NA)
S	0030	A	Ceiling,All,Drywall And Joint Compound,Loc:54,Locker/Storage Room a) ND b) ND
S	0030	B	Ceiling,All,Drywall And Joint Compound,Loc:55,Locker/Storage Room a) ND b) ND
S	0030	C	Ceiling,All,Drywall And Joint Compound,Loc:59,Washroom ND
S	0031	A	Floor,All,Vinyl Floor Tile And Mastic,12" Light Blue With Flecks,Loc:58,Gym Office a) ND b) ND c) ND
S	0031	B	Floor,All,Vinyl Floor Tile And Mastic,12" Light Blue With Flecks,Loc:58,Gym Office a) ND b) ND
S	0031	C	Floor,All,Vinyl Floor Tile And Mastic,12" Light Blue With Flecks,Loc:70,Music Room a) ND b) ND c) ND
S	0032	A	Door,Caulking,White,Loc:79,Exterior ND
S	0032	B	Door,Caulking,White,Loc:79,Exterior ND
S	0032	C	Door,Caulking,White,Loc:79,Exterior ND
S	0033	A	Door,Caulking,Brown,Loc:79,Exterior ND
S	0033	B	Door,Caulking,Brown,Loc:79,Exterior ND
S	0033	C	Door,Caulking,Brown,Loc:79,Exterior ND

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APPENDIX II-B
Lead Analytical Certificates

EMSL Canada Inc.
2756 Slough Street, Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com torontolab@emsl.com

EMSL Canada Or	552403615
CustomerID:	55PINC50
CustomerPO:	336128.013
ProjectID:	

Attn: **Ashley Penney**
Pinchin Environmental
42 Dorey Avenue
Dartmouth, Nova Scotia, NS B3B 0B1

Phone:	(902) 461-9999
Fax:	(902) 461-9932
Received:	3/11/2024 09:53 AM
Collected:	3/6/2024

Project: **336128.013**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead Concentration*
L0001 *552403615-0001*	3/5/2024 Site: Location 1	3/12/2024	0.2466 g	81 ppm	410 ppm
L0002 *552403615-0002*	3/5/2024 Site: Location 2	3/12/2024	0.2472 g	81 ppm	<81 ppm
L0003 *552403615-0003*	3/5/2024 Site: Location 5	3/12/2024	0.2514 g	80 ppm	<80 ppm
L0004 *552403615-0004*	3/6/2024 Site: Location 16	3/12/2024	0.2516 g	80 ppm	150 ppm
L0005 *552403615-0005*	3/6/2024 Site: Location 56	3/12/2024	0.2488 g	80 ppm	<80 ppm

Rowena Fanto, Lead Supervisor
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.
* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Canada Inc. Mississauga, ON AIHA LAP, LLC-ELLAP Accredited #196142

Report Amended: 03/16/2024 11:00:11 Replaces the Inital Report 03/16/2024 10:33:52. Reason Code: Data Entry-Change to Appearance

APPENDIX II-C
PCB Analytical Certificates

AGAT Laboratories

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

CLIENT NAME: PINCHIN LTD.
42 Dorey Avenue
Dartmouth, NS B3B0B1
(902) 461-9999
ATTENTION TO: Ashley Penney
PROJECT: 336128.013
AGAT WORK ORDER: 24X127897
TRACE ORGANICS REVIEWED BY: Jason Coughtrey, Operation Manager
DATE REPORTED: Mar 19, 2024
PAGES (INCLUDING COVER): 5
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

*Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
- *This Certificate shall not be reproduced except in full, without the written approval of the laboratory.*
- *The test results reported herewith relate only to the samples as received by the laboratory.*
- *Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.*
- *All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.

AGAT Laboratories

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 24X127897

PROJECT: 336128.013

CLIENT NAME: PINCHIN LTD.

ATTENTION TO: Ashley Penney

SAMPLING SITE:

SAMPLED BY:

Total Polychlorinated Biphenyls in Solids

DATE RECEIVED: 2024-03-08

DATE REPORTED: 2024-03-19

				P0001, Black
		SAMPLE DESCRIPTION:		Caulking
		SAMPLE TYPE:		Other
		DATE SAMPLED:		2024-03-07
Parameter	Unit	G / S	RDL	5711365
Total Polychlorinated Biphenyls	mg/kg		0.5	<0.5
Surrogate	Unit	Acceptable Limits		
Decachlorobiphenyl	%	60-140		69

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

Analysis performed at AGAT Halifax (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: PINCHIN LTD.

AGAT WORK ORDER: 24X127897

PROJECT: 336128.013

ATTENTION TO: Ashley Penney

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Mar 19, 2024			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Total Polychlorinated Biphenyls in Solids															
Total Polychlorinated Biphenyls	1		<0.5	<0.5	NA	< 0.5	118%	60%	140%	70%	60%	140%	66%	60%	140%

Comments: If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.
If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By:

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

Method Summary

CLIENT NAME: PINCHIN LTD.

AGAT WORK ORDER: 24X127897

PROJECT: 336128.013

ATTENTION TO: Ashley Penney

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Total Polychlorinated Biphenyls	ORG-120-5106	EPA SW846/8081/8080	GC/ECD
Decachlorobiphenyl	ORG-120-5106	EAP SW846 3510C/8080/8010	GC/ECD

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

Have feedback? Scan here for a quick survey!

Unit 122 • 11 Morris Drive
Dartmouth, NS
B3B 1M2
P: 902.468.8718

webearth.agatlabs.com • www.agatlabs.com

Chain of Custody Record

Report Information

Company: Pinchin Ltd.
Contact: Ashley Penney
Address: 42 Dorey Avenue
Dartmouth, Nova Scotia
Phone: 902.225.9324 Fax:
Client Project #: 336128.013
AGAT Quotation:
Please Note: If quotation number is not provided client will be billed full price for analysis.

Invoice To

Same Yes ☐ / No ☐

Company: Pinchin Ltd.
Contact:
Address: 42 Dorey Avenue
Dartmouth, NS
Phone: Fax:
PO/Credit Card#:

Report Information (Please print):

1. Name: Ashley Penney
   Email: apenney@pinchin.com
2. Name: Allain Thebeau
   Email: athebeau@pinchin.com

Regulatory Requirements (Check):

☐ List Guidelines on Report ☐ Do not list Guidelines on Report

☐ PIRI
- ☐ Tier 1 ☐ Res ☐ Pot ☐ Coarse
- ☐ Tier 2 ☐ Com ☐ N/Pot ☐ Fine
- ☐ Gas ☐ Fuel ☐ Lube

☐ CCME
- ☐ Industrial
- ☐ Commercial
- ☐ Res/Park
- ☐ Agricultural
- ☐ FWAL
- ☐ Sediment

☐ CDWQ
☐ NSEQS-Cont Sites
☐ HRM 101
- ☐ Storm Water
- ☐ Waste Water

☐ Other

Report Format

- ☐ Single Sample per page
- ☑ Multiple Samples per page
- ☐ Excel Format Included
- ☐ Export

Laboratory Use Only

Arrival Condition: ☐ Good ☐ Poor (see notes)
Arrival Temperature: 19.2
Hold Time:
AGAT Job Number: 24X12 7897
Notes:

Turnaround Time Required (TAT)

Regular TAT ☑ 5 to 7 working days
Rush TAT ☐ Same day ☐ 1 day ☐ 2 days ☐ 3 days
Date Required: 24 MAR 8 4:26PM

Drinking Water Sample: ☐ Yes ☐ No Salt Water Sample ☐ Yes ☐ No
Reg. No.:

Sample Identification	Date/Time Sampled	Sample Matrix	# Containers	Comments – Site/Sample Info. Sample Containment
P0001, Black caulking	3/7/2024	Bulk	1x Bag	

Field Filtered/Preserved	Standard Water Analysis	Metals: ☐ Total ☐ Diss ☐ Available	Mercury	☐ BOD ☐ CBOD	pH	☐ TSS ☐ TDS ☐ VSS	TKN	Total Phosphorus	Phenols	Tier 1: TPH/BTEX (PIRI) ☐ low level	Tier 2: TPH/BTEX Fractionation	CCME-CWS TPH/BTEX	VOC	THM	HAA	PAH	PCB	TC + EC ☐ P/A ☐ MPN ☐ MF	☐ HPC ☐ Pseudomonas	Fecal Coliform ☐ MPN ☐ MF	Other:	Other:	Hazardous (Y/N)
																	☑					

Samples Relinquished By (Print Name):	Date/Time	Samples Received By (Print Name):	Date/Time
Ashley Penney	3/8/2024		
Samples Relinquished By (Sign):	Date/Time	Samples Received By (Sign):	Date/Time

Pink Copy - Client
Yellow Copy - AGAT
White Copy- AGAT

Page 1 of 1
N°:

Document ID: DIV-133-1502.004

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Date revised: June 15, 2023

APPENDIX III
Methodology

1.0 GENERAL

An investigation was conducted to identify the type of Hazardous Building Materials incorporated in the structure and its finishes.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities were recorded. The locations of any samples collected were recorded on small-scale plans. As-built drawings and previous reports were referenced where provided.

Sample collection was conducted in accordance with our Standard Operating Procedures.

1.1 Asbestos

The investigation for asbestos included friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure, or a material that has already become crushed, pulverized, or powdered.

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 of select materials 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.

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Analytical results were compared to the following criteria:

Jurisdiction	Friable	Non-Friable
Nova Scotia	0.5%[1]	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 were evaluated in order to make recommendations regarding any remedial work. The priority for remedial action was 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.

1.2 Lead

Samples of distinctive paint finishes, and surface coatings present in more than a limited application, where removal of the paint is possible were collected. The samples were collected by scraping the painted finish to include base and covering applications.

Analysis for lead in paints or surface coatings was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

Analytical results were compared to the following criteria.

Jurisdiction	Units (%)	Units (ppm) / (mg/kg)
Nova Scotia	0.009	90

Other lead building products (e.g. batteries, lead sheeting, flashing) were identified by visual observation only.

[1] Or any amount if vermiculite

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1.3 Silica

Building materials known to contain crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) were identified by visual inspection only. Pinchin did not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.4 Mercury

Building materials, products or equipment (e.g. thermostats, barometers, pressure gauges, lamp tubes), suspected to contain mercury were identified by visual inspection only. Dismantling of equipment suspected of containing mercury was not performed. Sampling of these materials for laboratory analysis of mercury content was not performed.

1.5 Polychlorinated Biphenyls

The potential for light ballast and oil filled transformers to contain PCBs was based on the age of the building, a review of maintenance records, and examination of labels or nameplates on equipment, where present and accessible. The information was compared to known ban dates of PCBs and Environment Canada publications.

Dry type transformers were presumed to be free of dielectric fluids and hence non-PCB.

Fluids (mineral oil, hydraulic, Aroclor or Askarel) in transformers or other equipment were not sampled for PCB content.

Select caulking was sampled and submitted for PCB analysis following EPA 3550C/8082A.

Sample results are compared to the criteria of 50 mg/kg for solids as stated in the PCB Regulation, SOR/2008-273.

1.6 Visible Mould

The presence of mould or water damage was determined by visual inspection of exposed building surfaces. If any mould growth or water damage was concealed within building cavities it was not addressed in this assessment.

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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.

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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.

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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.

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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.

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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

	Condition			
Access	**Good**	**Fair**	**Poor**	**Debris**
(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

	Condition			
Access	**Good**	**Fair**	**Poor**	**Debris**
(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

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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).

Master Template: Methodology Annex A to Appendix I Evaluation Criteria, HAZ, August 17, 2023

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APPENDIX IV
Location Summary Report

Client:HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Survey Date: 2024-03-05
Last Re-Assessment:
Building Phases: A: 1967

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1	Boiler Room, room no. 103	995	B	A	
2	Sprinkler Room, room no. 101	600	B	A	
3	Electrical Room, room no. 102	100	B	A	
4	Basement Entryway	130	B	A	
5	Reception Office, room no. 202	410	M	A	
6	Office, room no. 202C	100	M	A	
7	Office, room no. 202B	153	M	A	
8	Office, room no. 202A	153	M	A	
9	Classroom, room no. 205	644	M	A	
10	Lunch Room, room no. 205A	164	M	A	
11	Classroom	748	M	A	
12	Classroom, room no. 206	326	M	A	
13	Classroom	400	M	A	
14	Office, room no. 205B	100	M	A	
15	Classroom, room no. 216	743	M	A	
16	Classroom, room no. 217	734	M	A	
17	Classroom, room no. 218	732	M	A	
18	Classroom, room no. 219	740	M	A	
19	Washroom, room no. 220	97	M	A	
20	Janitor Room, room no. 221	350	M	A	
21	Classroom, room no. 229	738	M	A	
22	Girls Washroom, room no. 225	332	M	A	
23	Kitchen, room no. 222	450	M	A	
24	Cafeteria, room no. 213	3940	M	A	
25	Caretaker Office	165	M	A	
26	Boys Washroom	332	M	A	
27	Classroom, room no. 230	732	M	A	
28	Classroom, room no. 231	720	M	A	
29	Classroom, room no. 232	735	M	A	
30	Classroom, room no. 233	748	M	A	
31	Washroom, room no. 228	60	M	A	
32	Classroom, room no. 211	742	M	A	
33	Classroom, room no. 210	740	M	A	
34	Classroom, room no. 209	733	M	A	
35	Copier Room, room no. 204	350	M	A	
36	Staff Room, room no. 203	341	M	A	
37	Staff Washroom, room no. 203B	60	M	A	
38	Staff Washroom, room no. 203C	60	M	A	
39	Staff Area Hallway, room no. 203	165	M	A	
40	Hallway	4200	M	A	
41	Office, room no. 237	100	M	A	
42	Office, room no. 237A	220	M	A	
43	Air Handling Room	1040	P	A	
44	Storage Room, room no. 238	300	M	B	
45	Server Room, room no. 239	80	M	B	
46	Classroom, room no. 234	718	M	B	
47	Classroom, room no. 235	720	M	B	
48	Classroom, room no. 240	620	M	B	Windows dated 2017
49	Office Space, room no. 241	475	M	B	
50	Mechanical Room, room no. 273	520	M	B	
51	Classroom, room no. 242	820	M	B	
52	Washroom, room no. 242A	60	M	B	
53	Gymnasium And Stage, room no. 261	3835	M	B	
54	Locker/Storage Room	400	M	B	
55	Locker/Storage Room	400	M	B	
56	Gym Storage Room	200	M	B	
57	Gym Storage	400	M	B	

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Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
58	Gym Office, room no. 266	85	M	B	
59	Washroom, room no. 265	40	M	B	
60	Classroom, room no. 245	820	M	B	
61	Washroom, room no. 246A	60	M	B	
62	Classroom, room no. 246	820	M	B	
63	Washroom, room no. 246A	60	M	B	
64	Library, room no. 247	1100	M	B	
65	Classroom, room no. 249	755	M	B	
66	Classroom, room no. 250	740	M	B	
67	Classroom, room no. 251	740	M	B	
68	Classroom, room no. 252	740	M	B	
69	Classroom, room no. 253	740	M	B	
70	Music Room, room no. 257	1085	M	B	
71	Stage Hallway, room no. 256	150	M	B	
72	Staff Washroom, room no. 264	60	M	B	
73	Girls Washroom	280	M	B	
74	Janitor Closet, room no. 269	25	M	B	
75	Boys Washroom, room no. 270	250	M	B	
76	Hallway	3340	M	B	
77	Gym Vestibule	80	M	B	
78	Utility Room	200	M	B	
79	Exterior	0		A	

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APPENDIX V
Hazardous Materials Summary Report / Sample Log

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

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Client:HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated** **Survey Date: 2024-03-05**

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABC	Ceiling, Other | All, Debris | Fireproofing (fibrous) | Grey	1	A	0	995	0	0	None Detected	No	
Asbestos	S0002 ABC	Piping | Domestic Water (hot And Cold) | Parging Cement |	1	A	0	0	8	0	Chrysotile	Yes	F
Asbestos	S0003 ABC	Duct | Boiler Feed Water | Parging Cement |	1	A	0	8	0	0	None Detected	No	
Asbestos	S0004 ABC	Duct | Combustion Air | Preformed Block | White	1	A	0	40	0	0	None Detected	No	
Asbestos	S0005 ABCDEFG	Ceiling, Wall, Ceiling, Wall | All, Exterior, Interior | Drywall And Joint Compound |	2,3,4,5,7,8,9,11,19,23,31,35,36,37,38,40,43	A	0	8927	0	0	None Detected	No	
Asbestos	S0006 ABC	Other | Fire Stop | Firestopping (mastic) | Red	3	A	0	1	0	0	None Detected	No	
Asbestos	S0007 ABC	Other | Door | Caulking | Brown	4	A	7	0	0	0	Chrysotile	Yes	NF
Asbestos	S0008 ABC	Duct | | Mastic, Grey |	5,6,7,8,9,10,11,12,13,14,18,21,25,28,29,32 33,34,35,36,40,41,46,47,48,51,58,59,60,62,64 65,66,67,68,69,70,71,72,73,74,75,76	A,B	537	0	0	0	None Detected	No	
Asbestos	S0009 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Off White With Grey And Cream Flecks	5,6,7,8,9,10,11,12,13,32,42,47,60,64,66,68 71,76	A,B	0	8399	0	0	None Detected	No	
Asbestos	S0010 ABC	Other | Window | Caulking | Black Butyl Tape	9,35,36,40	A	0	0	17	0	None Detected	No	
Asbestos	S0011 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Brown With Brown And Cream Flecks	12,60,64,66,68	A,B	0	1626	0	0	Chrysotile	Yes	NF
Asbestos	S0012 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" White With Light Blue Flecks	13,51,62,65,67,69	A,B	0	3495	0	0	Chrysotile	Yes	NF
Asbestos	S0013 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Dark Green With Flecks	13,51,62,65,67,69	A,B	0	665	0	0	Chrysotile	Yes	NF
Asbestos	S0014 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Medium Grey With Grey And White Flecks	14,33,44,45,48,49,56,74	A,B	0	1920	0	0	Chrysotile	Yes	NF
Asbestos	S0015 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Beige With Brown Streaks	15,17,21	A	0	2213	0	0	Chrysotile	Yes	NF
Asbestos	S0016 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Medium Green With White And Green Flecks	16,33,34,40,71,76	A,B	0	2583	0	0	Chrysotile	Yes	NF
Asbestos	S0017 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Tan With Beige Flecks	16	A	0	434	0	0	Chrysotile	Yes	NF
Asbestos	S0018 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Teal With Green And Wite Flecks	18,20	A	0	1090	0	0	Chrysotile	Yes	NF
Asbestos	S0019 ABC	Other | Sink | Mastic, Grey |	18,32,33,34,60,62,65	A,B	0	0	7	0	None Detected	No	
Asbestos	S0020 ABC	Floor | All | Vinyl Floor Tile And Mastic | 9" Green With White Streaks	27,28,30	A	0	2200	0	0	Chrysotile	Yes	NF
Asbestos	S0021 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Medium Blue With Flecks	25	A	0	165	0	0	None Detected	No	

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0022 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Blue With Dark Blue And White Flecks	29,39,40	A	0	2500	0	0	None Detected	No	
Asbestos	S0023 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" White With Beige Flecks	35,36	A	0	691	0	0	None Detected	No	
Asbestos	S0024 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Light Brown With Brown And Cream Flecks	24	A	0	3940	0	0	None Detected	No	
Asbestos	S0025 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Light Beige With Brown And White Flecks	40	A	0	275	0	0	None Detected	No	
Asbestos	S0026 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Off-white With Red Streaks	40,41,76	A,B	0	1250	0	0	Chrysotile	Yes	NF
Asbestos	S0027 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Yellow With Red Streaks	40,41,76	A,B	0	355	0	0	Chrysotile	Yes	NF
Asbestos	S0028 ABC	Wall | | Caulking | Black	40,44	A,B	24	0	0	0	Chrysotile	Yes	NF
Asbestos	S0029 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Pale Green With Light Green Streaks	46	B	0	718	0	0	Chrysotile	Yes	NF
Asbestos	S0030 ABC	Ceiling | All | Drywall And Joint Compound |	54,55,59	B	0	840	0	0	None Detected	No	
Asbestos	S0031 ABC	Floor | All | Vinyl Floor Tile And Mastic | 12" Light Blue With Flecks	58,70	B	0	490	0	0	None Detected	No	
Asbestos	S0032 ABC	Other | Door | Caulking | White	79	A	25	0	0	0	None Detected	No	
Asbestos	S0033 ABC	Other | Door | Caulking | Brown	79	A	18	0	0	0	None Detected	No	
Asbestos	V9000	Floor | All | Vinyl Floor Tile And Mastic | 12" Grey With Grey And White Flecks	33	A	0	400	0	0	Confirmed Asbestos	Yes	NF
Asbestos	V9500	Duct | | Mastic | Painted White	24	A	120	0	0	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Floor | All | Mortar | Ceramic Tile Thinset	19,22,23,26,31,37,38,40,52,54,55,59,61,63,72 73,75,76,77	A,B	0	3931	0	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Wall | All | Mortar | Ceramic Tile Thinset	19,22,23,26,31,37,38,52,54,55,59,61,63,72,73 75	A,B	0	7035	0	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Ceiling | Acoustic Tile | Ceiling Tiles (lay-in) | 2x4 Laminated Drywall	23	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling | Acoustic Tile | Ceiling Tiles (lay-in) | 2x4 Pinhole And Fleck	5,6,7,8,9,10,11,12,13,14,15,16,17,18,20,21 22,25,26,27,28,29,30,31,32,33,34,35,36,37,38 39,40,41,42,44,45,46,47,48,49,51,52,56,58,60 61,62,63,64,65,66,67,68,69,70,71,72,73,74,75 76,77	A,B	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | All | Vinyl Floor Tile And Mastic | 12" Dark Blue With Flecks	70	B	0	680	0	0	Non Asbestos	No	
Asbestos	V0000	Other | Door | Caulking | Red Silicone	11	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Other | Window | Caulking | Silicone	5,7,8,9,11,12,15,16,17,18,21,27,28,29,30,32 33,34,36,46,47,48,60,64,66,68,79	A,B	0	0	0	0	Non Asbestos	No	

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0000	Wall | Expansion Joint | Caulking | Silicone	79	A	0	0	0	0	Non Asbestos	No	
Paint	L0001	Wall | Concrete (poured) | White	1,2,4,43,50	A,B	0	6460	0	0	Lead (Low)	Yes	-
Paint	L0002	Wall | Drywall And Joint Compound | White	2,3,4,5,7,8,9,11,35,36,40,43	A	0	4680	0	0		No	-
Paint	L0003	Wall | Masonry | White	5,6,7,8,9,10,11,12,13,14,18,20,24 27,28,30,32,35,36,40,42,51,53,54,55,57 58,60,62,64,65,66,67,68,69,70,71,76,77 78	A,B	0	82857	0	0		No	-
Paint	L0004	Wall | Masonry | Off-white	15,16,17,21,29,33,34,39,41,46,47,48,49	A,B	0	22675	0	0	Lead (Low)	Yes	-
Paint	L0005	Wall | Masonry | Light Grey	44,45,56,74	B	0	980	0	0		No	-
Lead Product	V9000	Bell And Spigot Fittings	1	A	0	0	2	0	Lead Product	Yes	-
Lead Product	V9500	Batteries In Emer. Lights	1,2,3,4,11,24,39,40,43,49,50,53,54 55,71,76	A,B	0	0	31	0	Presumed Lead Product	Yes	-
PCB	P0001	Caulking | Black	40,44	A,B	24	0	0	0	-	No	-
PCB	V0000	Light Ballasts	1,2,3,4,5,6,7,8,9,10,11,12,13 14,15,16,17,18,19,20,21,22,23,24,25,26 27,28,29,30,31,32,33,34,35,36,37,38,39 40,41,42,43,44,45,46,47,48,49,51,52,53 54,55,56,57,58,59,60,61,62,63,64,65,66 67,68,69,70,71,72,73,74,75,76,77,78	A,B	0	0	0	0	-	No	-
PCB	V0000	Transformer	50	B	0	0	0	0	-	No	-
Mould	V9500	Ceiling Tiles (lay-in) |	40	A	0	4	0	0	Presumed Mould	Yes	-
Hg	V9000	Light Fixture	1,2,3,4,25,43,50,56,58,71,74,76,78	A,B	0	0	60	0	Hg	Yes	-
Hg	V9500	Light Fixture	5,6,7,8,9,10,11,12,13,14,15,16,17 18,19,20,21,22,23,24,26,27,28,29,30,31 32,33,34,35,36,37,38,39,40,41,42,44,45 46,47,48,49,51,52,53,54,55,57,59,60,61 62,63,64,65,66,67,68,69,70,72,73,75,77	A,B	0	0	406	0	Presumed Hg	Yes	-

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

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

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

APPENDIX VI
Confirmed and Presumed Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

CONFIRMED AND PRESUMED HAZARDOUS MATERIALS REPORT

PINCHIN
1.855.PINCHIN www.pinchin.com

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #1 : Boiler Room | **Floor: B** | **Room #: 103** | **Area (sqft): 995**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS

System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Piping	Domestic Water (hot And Cold)	Parging Cement		Canvas	B	Y		8(7)			EA	S0002ABC	Chrysotile	50-75%	Confirmed Asbestos	F

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #1 : Boiler Room | **Floor: B** | **Room #: 103** | **Area (sqft): 995**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (poured)	3100		SF	L0001	White	Pb: 410 mg/kg	Lead (Low)

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #1 : Boiler Room | **Floor: B** | **Room #: 103** | **Area (sqft): 995**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PB PRODUCTS

Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed
Bell And Spigot Fittings	2	EA	V9000	Yes

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #1 : Boiler Room | **Floor: B** | **Room #: 103** | **Area (sqft): 995**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	7	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #2 : Sprinkler Room
Floor: B
Room #: 101
Area (sqft): 600
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	600		SF	V0001	White	Pb: 410 mg/kg	Lead (Low)

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #2 : Sprinkler Room
Floor: B
Room #: 101
Area (sqft): 600
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #2 : Sprinkler Room
Floor: B
Room #: 101
Area (sqft): 600
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #3 : Electrical Room | **Floor: B** | **Room #: 102** | **Area (sqft): 100**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #3 : Electrical Room | **Floor: B** | **Room #: 102** | **Area (sqft): 100**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	2	EA	V9000	Yes

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #3 : Electrical Room | **Floor: B** | **Room #: 102** | **Area (sqft): 100**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PCB						
Component	**Quantity**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Transformer	1	EA				No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #4 : Basement Entryway **Floor: B** **Room #:** **Area (sqft): 130**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Other[1]	Door	Caulking, Brown			A	Y		7(7)			LF	S0007ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

1 - Painted white

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #4 : Basement Entryway **Floor: B** **Room #:** **Area (sqft): 130**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	260		SF	V0001	White	Pb: 410 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #4 : Basement Entryway **Floor: B** **Room #:** **Area (sqft): 130**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #4 : Basement Entryway **Floor: B** **Room #:** **Area (sqft): 130**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #5 : Reception Office | **Floor: M** | **Room #: 202** | **Area (sqft): 410**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #6 : Office | **Floor: M** | **Room #: 202C** | **Area (sqft): 100**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #7 : Office | **Floor: M** | **Room #: 202B** | **Area (sqft): 153**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #8 : Office
Floor: M
Room #: 202A
Area (sqft): 153
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #9 : Classroom
Floor: M
Room #: 205
Area (sqft): 644
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #10 : Lunch Room
Floor: M
Room #: 205A
Area (sqft): 164
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #11 : Classroom | **Floor: M** | **Room #:** | **Area (sqft): 748**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #11 : Classroom | **Floor: M** | **Room #:** | **Area (sqft): 748**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	8	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #12 : Classroom | **Floor: M** | **Room #: 206** | **Area (sqft): 326**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" brown with brown and cream flecks			A	Y		126(7)			SF	S0011A	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #12 : Classroom | **Floor: M** | **Room #: 206** | **Area (sqft): 326**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

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Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #13 : Classroom | **Floor: M** | **Room #:** | **Area (sqft): 400**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" white with light blue flecks			A	Y		200(7)			SF	S0012A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" dark green with flecks			A	Y		165(7)			SF	S0013A	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #13 : Classroom | **Floor: M** | **Room #:** | **Area (sqft): 400**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #14 : Office | **Floor: M** | **Room #: 205B** | **Area (sqft): 100**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		100(7)			SF	S0014A	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #14 : Office | **Floor: M** | **Room #: 205B** | **Area (sqft): 100**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #15 : Classroom | **Floor: M** | **Room #: 216** | **Area (sqft): 743**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" beige with brown streaks			A	Y		743(7)			SF	S0015A	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #15 : Classroom | **Floor: M** | **Room #: 216** | **Area (sqft): 743**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #15 : Classroom | **Floor: M** | **Room #: 216** | **Area (sqft): 743**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #16 : Classroom **Floor: M** **Room #: 217** **Area (sqft): 734**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium green with white and green flecks			A	Y		300(7)			SF	S0016A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" tan with beige flecks			A	Y		434(7)			SF	S0017ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #16 : Classroom **Floor: M** **Room #: 217** **Area (sqft): 734**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	L0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #16 : Classroom **Floor: M** **Room #: 217** **Area (sqft): 734**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #17 : Classroom **Floor: M** **Room #: 218** **Area (sqft): 732**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" beige with brown streaks			A	Y		732(7)			SF	V0015	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #17 : Classroom **Floor: M** **Room #: 218** **Area (sqft): 732**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #17 : Classroom **Floor: M** **Room #: 218** **Area (sqft): 732**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #18 : Classroom **Floor: M** **Room #: 219** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" teal with green and wite flecks			A	Y		740(7)			SF	S0018A	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #18 : Classroom **Floor: M** **Room #: 219** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #19 : Washroom **Floor: M** **Room #: 220** **Area (sqft): 97**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar, Ceramic tile thinset		Ceramic Tiles	D	N		97(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar, Ceramic tile thinset		Ceramic Tiles	D	N		300(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #19 : Washroom **Floor: M** **Room #: 220** **Area (sqft): 97**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #20 : Janitor Room **Floor: M** **Room #: 221** **Area (sqft): 350**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" teal with green and wite flecks			A	Y		350(7)			SF	S0018BC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #20 : Janitor Room **Floor: M** **Room #: 221** **Area (sqft): 350**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #21 : Classroom **Floor: M** **Room #: 229** **Area (sqft): 738**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" beige with brown streaks			A	Y		738(7)			SF	S0015BC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #21 : Classroom **Floor: M** **Room #: 229** **Area (sqft): 738**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #21 : Classroom **Floor: M** **Room #: 229** **Area (sqft): 738**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #22 : Girls Washroom
Floor: M
Room #: 225
Area (sqft): 332
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		332(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		900(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #22 : Girls Washroom
Floor: M
Room #: 225
Area (sqft): 332
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #23 : Kitchen
Floor: M
Room #: 222
Area (sqft): 450
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		450(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		1350(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #23 : Kitchen
Floor: M
Room #: 222
Area (sqft): 450
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #24 : Cafeteria **Floor: M** **Room #: 213** **Area (sqft): 3940**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Duct[1]		Mastic, Painted white			C	Y		120(7)			LF	V9500	Presumed Asbestos		Presumed Asbestos	NF

1 - Can't sample due to height. Unable to confirm colour as it is painted over

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #24 : Cafeteria **Floor: M** **Room #: 213** **Area (sqft): 3940**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	3	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #24 : Cafeteria **Floor: M** **Room #: 213** **Area (sqft): 3940**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #25 : Caretaker Office **Floor: M** **Room #:** **Area (sqft): 165**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	450		SF		Dark grey		No

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #25 : Caretaker Office **Floor: M** **Room #:** **Area (sqft): 165**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9000	Yes

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #26 : Boys Washroom **Floor: M** **Room #:** **Area (sqft): 332**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		332(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		900(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #26 : Boys Washroom **Floor: M** **Room #:** **Area (sqft): 332**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #27 : Classroom **Floor: M** **Room #: 230** **Area (sqft): 732**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 9" green with white streaks			A	Y		732(7)			SF	S0020A	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #27 : Classroom **Floor: M** **Room #: 230** **Area (sqft): 732**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #28 : Classroom **Floor: M** **Room #: 231** **Area (sqft): 720**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 9" green with white streaks			A	Y		720(7)			SF	S0020B	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #28 : Classroom **Floor: M** **Room #: 231** **Area (sqft): 720**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #29 : Classroom | **Floor: M** | **Room #: 232** | **Area (sqft): 735**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #29 : Classroom | **Floor: M** | **Room #: 232** | **Area (sqft): 735**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #30 : Classroom | **Floor: M** | **Room #: 233** | **Area (sqft): 748**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 9" green with white streaks			A	Y		748(7)			SF	S0020C	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #30 : Classroom | **Floor: M** | **Room #: 233** | **Area (sqft): 748**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #31 : Washroom
Floor: M
Room #: 228
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		60(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #31 : Washroom
Floor: M
Room #: 228
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

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Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #32 : Classroom | **Floor: M** | **Room #: 211** | **Area (sqft): 742**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #33 : Classroom | **Floor: M** | **Room #: 210** | **Area (sqft): 740**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS															
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		120(7)			SF	S0014B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor[1]	All	Vinyl Floor Tile and Mastic, 12" grey with grey and white flecks			A	Y		400(7)			SF	V9000	Confirmed Asbestos		Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" medium green with white and green flecks			A	Y		300(7)			SF	S0016B	Chrysotile	0.5-5%	Confirmed Asbestos	NF

1 - Homogenous installation with the other flooring present. No discreet area to sample.

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #33 : Classroom | **Floor: M** | **Room #: 210** | **Area (sqft): 740**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #33 : Classroom | **Floor: M** | **Room #: 210** | **Area (sqft): 740**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

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Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #34 : Classroom **Floor: M** **Room #: 209** **Area (sqft): 733**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium green with white and green flecks			A	Y		733(7)			SF	V0016	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #34 : Classroom **Floor: M** **Room #: 209** **Area (sqft): 733**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #34 : Classroom **Floor: M** **Room #: 209** **Area (sqft): 733**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

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Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #35 : Copier Room | **Floor: M** | **Room #: 204** | **Area (sqft): 350**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #36 : Staff Room | **Floor: M** | **Room #: 203** | **Area (sqft): 341**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #37 : Staff Washroom | **Floor: M** | **Room #: 203B** | **Area (sqft): 60**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		60(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		120(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #37 : Staff Washroom | **Floor: M** | **Room #: 203B** | **Area (sqft): 60**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #38 : Staff Washroom
Floor: M
Room #: 203C
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		60(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		120(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #38 : Staff Washroom
Floor: M
Room #: 203C
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #39 : Staff Area Hallway | **Floor: M** | **Room #: 203** | **Area (sqft): 165**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	300		SF	V0004	Off-white	Pb: 150 mg/kg	Lead (Low)

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #39 : Staff Area Hallway | **Floor: M** | **Room #: 203** | **Area (sqft): 165**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #39 : Staff Area Hallway | **Floor: M** | **Room #: 203** | **Area (sqft): 165**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #40 : Hallway **Floor: M** **Room #:** **Area (sqft): 4200**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium green with white and green flecks			A	Y		600(7)			SF	V0016	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" off-white with red streaks			A	Y		825(7)			SF	S0026AB	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" yellow with red streaks			A	Y		200(7)			SF	S0027AB	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Mortar		Ceramic Tiles	D	N		700(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Caulking, Black			A	Y		16(7)			LF	S0028ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #40 : Hallway **Floor: M** **Room #:** **Area (sqft): 4200**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	8	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #40 : Hallway **Floor: M** **Room #:** **Area (sqft): 4200**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	32	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #40 : Hallway **Floor: M** **Room #:** **Area (sqft): 4200**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MOULD								
System	Material	Visible	Quantity	Unit	Sample Type	Sample No	Sample Description	Mould
Ceiling[1]	Ceiling Tiles (lay-in)	Y	4	SF	V	9500		Presumed

1 - water stained ceiling tiles

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #41 : Office **Floor: M** **Room #: 237** **Area (sqft): 100**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" off-white with red streaks			A	Y		25(7)			SF	S0026C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" yellow with red streaks			A	Y		75(7)			SF	S0027C	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #41 : Office **Floor: M** **Room #: 237** **Area (sqft): 100**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	300		SF	V0004	Off White	Pb: 150 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #41 : Office **Floor: M** **Room #: 237** **Area (sqft): 100**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #42 : Office | **Floor: M** | **Room #: 237A** | **Area (sqft): 220**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #43 : Air Handling Room | **Floor: P** | **Room #:** | **Area (sqft): 1040**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1000		SF	V0001	White	Pb: 410 mg/kg	Lead (Low)

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #43 : Air Handling Room | **Floor: P** | **Room #:** | **Area (sqft): 1040**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #43 : Air Handling Room | **Floor: P** | **Room #:** | **Area (sqft): 1040**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #44 : Storage Room
Floor: M
Room #: 238
Area (sqft): 300
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		300(7)			SF	S0014C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Caulking, Black			A	Y		8(7)			LF	V0028	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #44 : Storage Room
Floor: M
Room #: 238
Area (sqft): 300
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #45 : Server Room **Floor: M** **Room #: 239** **Area (sqft): 80**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		80(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #45 : Server Room **Floor: M** **Room #: 239** **Area (sqft): 80**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #46 : Classroom **Floor: M** **Room #: 234** **Area (sqft): 718**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" pale green with light green streaks			A	Y		718(7)			SF	S0029ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #46 : Classroom **Floor: M** **Room #: 234** **Area (sqft): 718**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off White	Pb: 150 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #46 : Classroom **Floor: M** **Room #: 234** **Area (sqft): 718**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #47 : Classroom | **Floor: M** | **Room #: 235** | **Area (sqft): 720**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	2200		SF	V0004	Off White	Pb: 150 mg/kg	Lead (Low)

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #47 : Classroom | **Floor: M** | **Room #: 235** | **Area (sqft): 720**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #48 : Classroom | **Floor: M** | **Room #: 240** | **Area (sqft): 620**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS															
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		620(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Windows dated 2017

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #48 : Classroom | **Floor: M** | **Room #: 240** | **Area (sqft): 620**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1800		SF	V0004	Off White	Pb: 150 mg/kg	Lead (Low)

Windows dated 2017

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #48 : Classroom | **Floor: M** | **Room #: 240** | **Area (sqft): 620**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Windows dated 2017

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #49 : Office Space **Floor: M** **Room #: 241** **Area (sqft): 475**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		475(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #49 : Office Space **Floor: M** **Room #: 241** **Area (sqft): 475**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	475		SF	V0004	Off White	Pb: 150 mg/kg	Lead (Low)

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #49 : Office Space **Floor: M** **Room #: 241** **Area (sqft): 475**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #49 : Office Space **Floor: M** **Room #: 241** **Area (sqft): 475**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #50 : Mechanical Room
Floor: M
Room #: 273
Area (sqft): 520
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1500		SF	V0001	White	Pb: 410 mg/kg	Lead (Low)

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #50 : Mechanical Room
Floor: M
Room #: 273
Area (sqft): 520
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #50 : Mechanical Room
Floor: M
Room #: 273
Area (sqft): 520
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #51 : Classroom **Floor: M** **Room #: 242** **Area (sqft): 820**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" white with light blue flecks			A	Y		720(7)			SF	S0012B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" dark green with flecks			A	Y		100(7)			SF	S0013B	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #51 : Classroom **Floor: M** **Room #: 242** **Area (sqft): 820**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #52 : Washroom
Floor: M
Room #: 242A
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		60(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #52 : Washroom
Floor: M
Room #: 242A
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

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Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #53 : Gymnasium And Stage **Floor: M** **Room #: 261** **Area (sqft): 3835**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #53 : Gymnasium And Stage **Floor: M** **Room #: 261** **Area (sqft): 3835**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #54 : Locker/Storage Room **Floor: M** **Room #:** **Area (sqft): 400**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		400(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Mortar		Ceramic Tiles	D	N		300(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #54 : Locker/Storage Room **Floor: M** **Room #:** **Area (sqft): 400**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**
Location: #54 : Locker/Storage Room **Floor: M** **Room #:** **Area (sqft): 400**
Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #55 : Locker/Storage Room **Floor: M** **Room #:** **Area (sqft): 400**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		400(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall[1]		Mortar		Ceramic Tiles	D	N		300(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

1 - ceramic tiles mortared directly onto masonry blocks, observed above ceiling tiles

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #55 : Locker/Storage Room **Floor: M** **Room #:** **Area (sqft): 400**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #55 : Locker/Storage Room **Floor: M** **Room #:** **Area (sqft): 400**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #56 : Gym Storage Room **Floor: M** **Room #:** **Area (sqft): 200**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		200(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #56 : Gym Storage Room **Floor: M** **Room #:** **Area (sqft): 200**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9000	Yes

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #57 : Gym Storage **Floor: M** **Room #:** **Area (sqft): 400**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #58 : Gym Office | **Floor: M** | **Room #: 266** | **Area (sqft): 85**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9000	Yes

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #59 : Washroom | **Floor: M** | **Room #: 265** | **Area (sqft): 40**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS															
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		40(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Mortar		Ceramic Tiles	D	N		120(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #59 : Washroom | **Floor: M** | **Room #: 265** | **Area (sqft): 40**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #60 : Classroom **Floor: M** **Room #: 245** **Area (sqft): 820**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" brown with brown and cream flecks			A	Y		200(7)			SF	V0011	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #60 : Classroom **Floor: M** **Room #: 245** **Area (sqft): 820**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #61 : Washroom **Floor: M** **Room #: 246A** **Area (sqft): 60**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		60(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #61 : Washroom **Floor: M** **Room #: 246A** **Area (sqft): 60**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #62 : Classroom
Floor: M
Room #: 246
Area (sqft): 820
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" white with light blue flecks			A	Y		640(7)			SF	S0012C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" dark green with flecks			A	Y		100(7)			SF	S0013C	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #62 : Classroom
Floor: M
Room #: 246
Area (sqft): 820
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #63 : Washroom
Floor: M
Room #: 246A
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		60(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #63 : Washroom
Floor: M
Room #: 246A
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #64 : Library **Floor: M** **Room #: 247** **Area (sqft): 1100**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" brown with brown and cream flecks			A	Y		900(7)			SF	V0011	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #64 : Library **Floor: M** **Room #: 247** **Area (sqft): 1100**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #65 : Classroom **Floor: M** **Room #: 249** **Area (sqft): 755**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" white with light blue flecks			A	Y		655(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" dark green with flecks			A	Y		100(7)			SF	V0013	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #65 : Classroom **Floor: M** **Room #: 249** **Area (sqft): 755**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #66 : Classroom **Floor: M** **Room #: 250** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" brown with brown and cream flecks			A	Y		200(7)			SF	S0011B	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #66 : Classroom **Floor: M** **Room #: 250** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #67 : Classroom **Floor: M** **Room #: 251** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" white with light blue flecks			A	Y		640(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" dark green with flecks			A	Y		100(7)			SF	V0013	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #67 : Classroom **Floor: M** **Room #: 251** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #68 : Classroom **Floor: M** **Room #: 252** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" brown with brown and cream flecks			A	Y		200(7)			SF	S0011C	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #68 : Classroom **Floor: M** **Room #: 252** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #69 : Classroom **Floor: M** **Room #: 253** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" white with light blue flecks			A	Y		640(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" dark green with flecks			A	Y		100(7)			SF	V0013	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #69 : Classroom **Floor: M** **Room #: 253** **Area (sqft): 740**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #70 : Music Room | **Floor: M** | **Room #: 257** | **Area (sqft): 1085**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	13	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #71 : Stage Hallway | **Floor: M** | **Room #: 256** | **Area (sqft): 150**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium green with white and green flecks			A	Y		50(7)			SF	S0016C	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #71 : Stage Hallway | **Floor: M** | **Room #: 256** | **Area (sqft): 150**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**
Location: #71 : Stage Hallway | **Floor: M** | **Room #: 256** | **Area (sqft): 150**
Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #72 : Staff Washroom
Floor: M
Room #: 264
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		60(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #72 : Staff Washroom
Floor: M
Room #: 264
Area (sqft): 60
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #73 : Girls Washroom
Floor: M
Room #:
Area (sqft): 280
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		280(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		850(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #73 : Girls Washroom
Floor: M
Room #:
Area (sqft): 280
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #74 : Janitor Closet **Floor: M** **Room #: 269** **Area (sqft): 25**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium grey with grey and white flecks			A	Y		25(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #74 : Janitor Closet **Floor: M** **Room #: 269** **Area (sqft): 25**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9000	Yes

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #75 : Boys Washroom **Floor: M** **Room #: 270** **Area (sqft): 250**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Mortar		Ceramic Tiles	D	N		250(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	All	Mortar		Ceramic Tiles	D	N		875(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** **Building Name: Hammonds Plains Consolidated**

Location: #75 : Boys Washroom **Floor: M** **Room #: 270** **Area (sqft): 250**

Survey Date: 2024-03-05 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #76 : Hallway | **Floor: M** | **Room #:** | **Area (sqft): 3340**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

ASBESTOS

System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor	All	Vinyl Floor Tile and Mastic, 12" medium green with white and green flecks			A	Y		600(7)			SF	V0016	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" off-white with red streaks			A	Y		400(7)			SF	V0026	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Vinyl Floor Tile and Mastic, 12" yellow with red streaks			A	Y		80(7)			SF	V0027	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor	All	Mortar		Ceramic Tiles	D	N		150(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #76 : Hallway | **Floor: M** | **Room #:** | **Area (sqft): 3340**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

PB PRODUCTS

Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	6	EA	V9500	Presumed

Client: HRCE | **Site: 2180 Hammonds Plains Road, Hammonds Plains, NS** | **Building Name: Hammonds Plains Consolidated**

Location: #76 : Hallway | **Floor: M** | **Room #:** | **Area (sqft): 3340**

Survey Date: 2024-03-05 | **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	24	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #77 : Gym Vestibule
Floor: M
Room #:
Area (sqft): 80
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		80(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: HRCE
Site: 2180 Hammonds Plains Road, Hammonds Plains, NS
Building Name: Hammonds Plains Consolidated
Location: #77 : Gym Vestibule
Floor: M
Room #:
Area (sqft): 80
Survey Date: 2024-03-05
Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: HRCE

Site: 2180 Hammonds Plains Road, Hammonds Plains, NS

Building Name: Hammonds Plains Consolidated

Location: #78 : Utility Room

Floor: M

Room #:

Area (sqft): 200

Survey Date: 2024-03-05

Last Re-Assessment: 0000-00-00

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	2	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
V####	Material is visually identified to be identical to S####
V0000	Known non hazardous material
V9000	Material visually identified as a Hazardous Material
V9500	Material is presumed to be a hazardous material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage
LF	Linear feet

Other	
A	Access
V	Visible
AP	Air Plenum
F	Friable material
NF	Non Friable material
PF	Potentially Friable material
Pb	Lead
Hg	Mercury
As	Arsenic
Cr	Chromium

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				

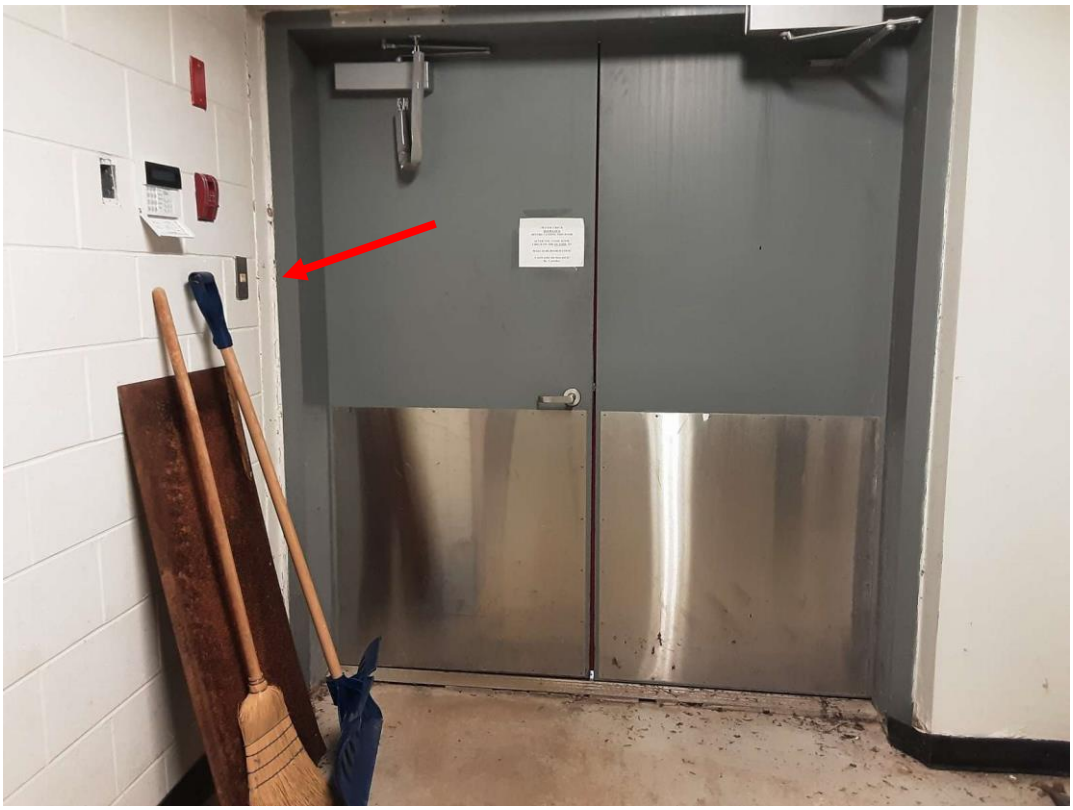
Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

APPENDIX VII
Photographs

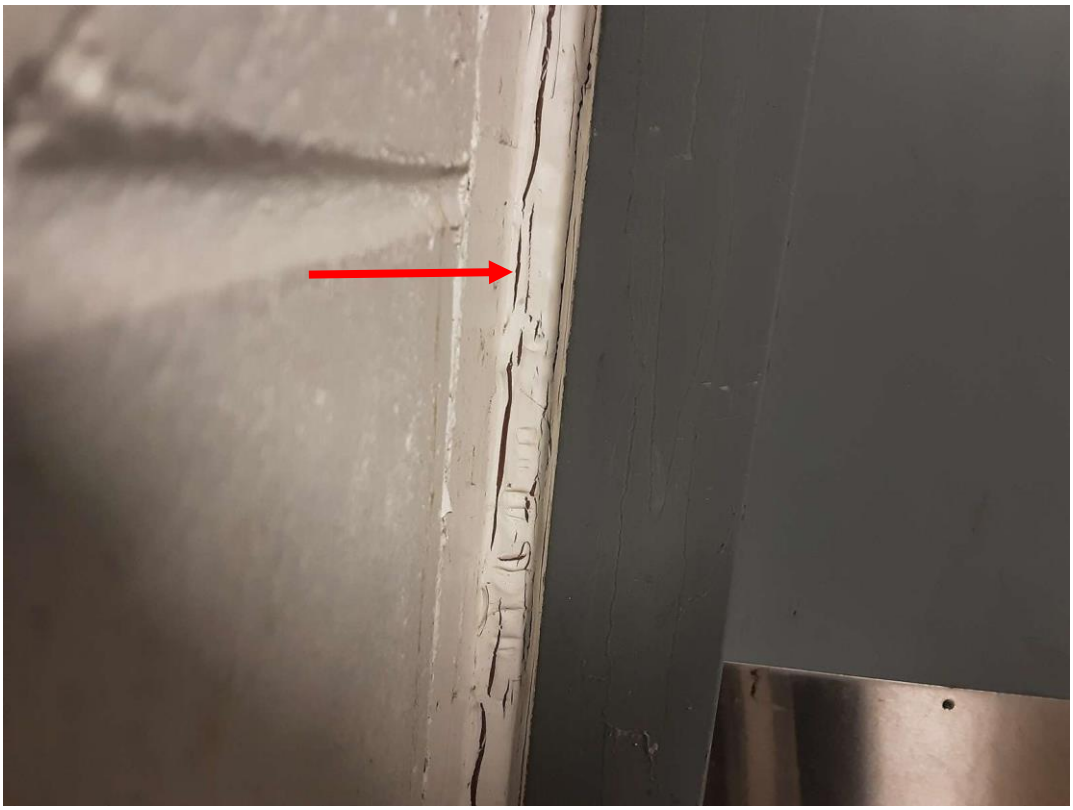
S0001C (None), Grey, Ceiling, All, Fireproofing (Fibrous), Boiler Room (Location #: 1)

S0002C (Confirmed Asbestos), Piping, Domestic Water (Hot and Cold), Parging Cement, Boiler Room (Location #: 1)

© 2024 Pinchin Ltd.

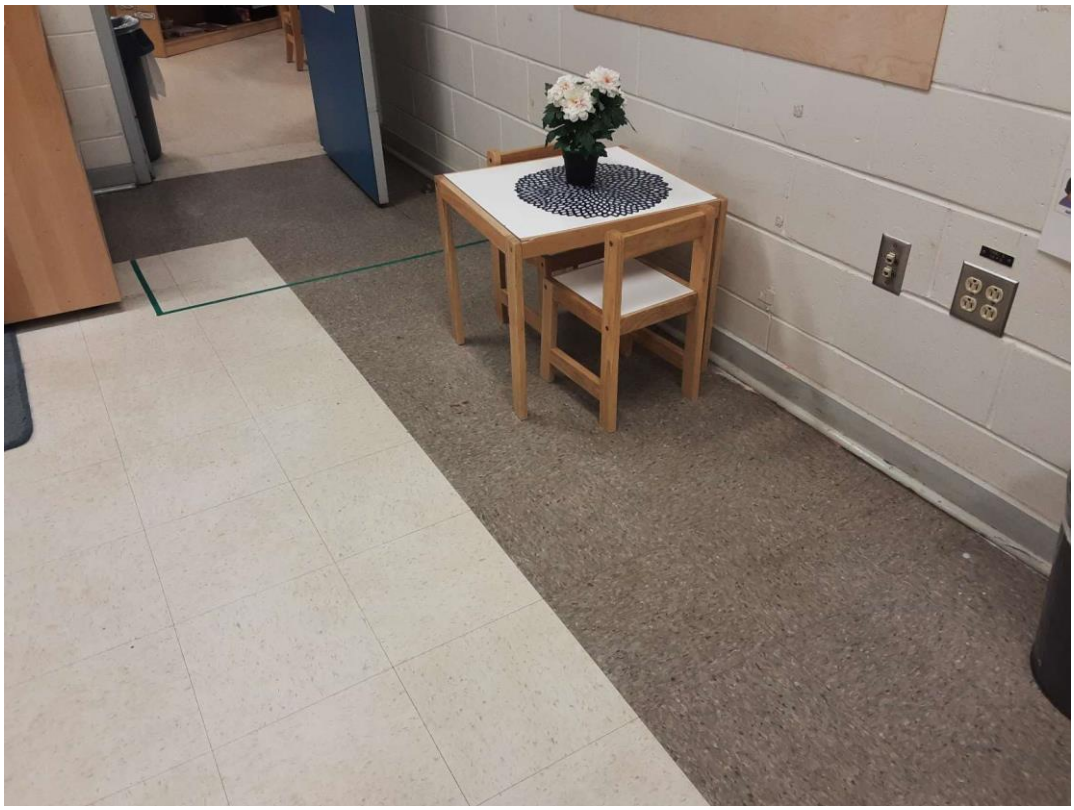


S0007A (Confirmed Asbestos), Brown, Other, Door, Caulking, Basement Entryway (Location #: 4)
Painted white

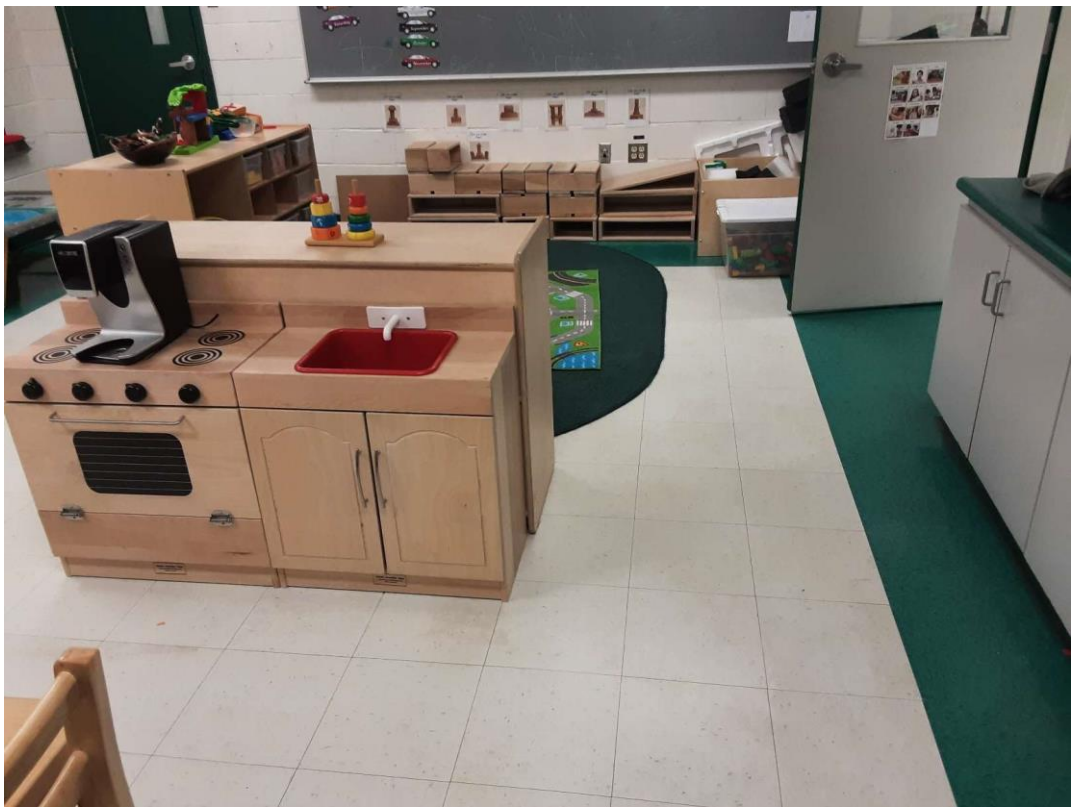


S0007A (Confirmed Asbestos), Brown, Other, Door, Caulking, Basement Entryway (Location #: 4)
Painted white

© 2024 Pinchin Ltd.



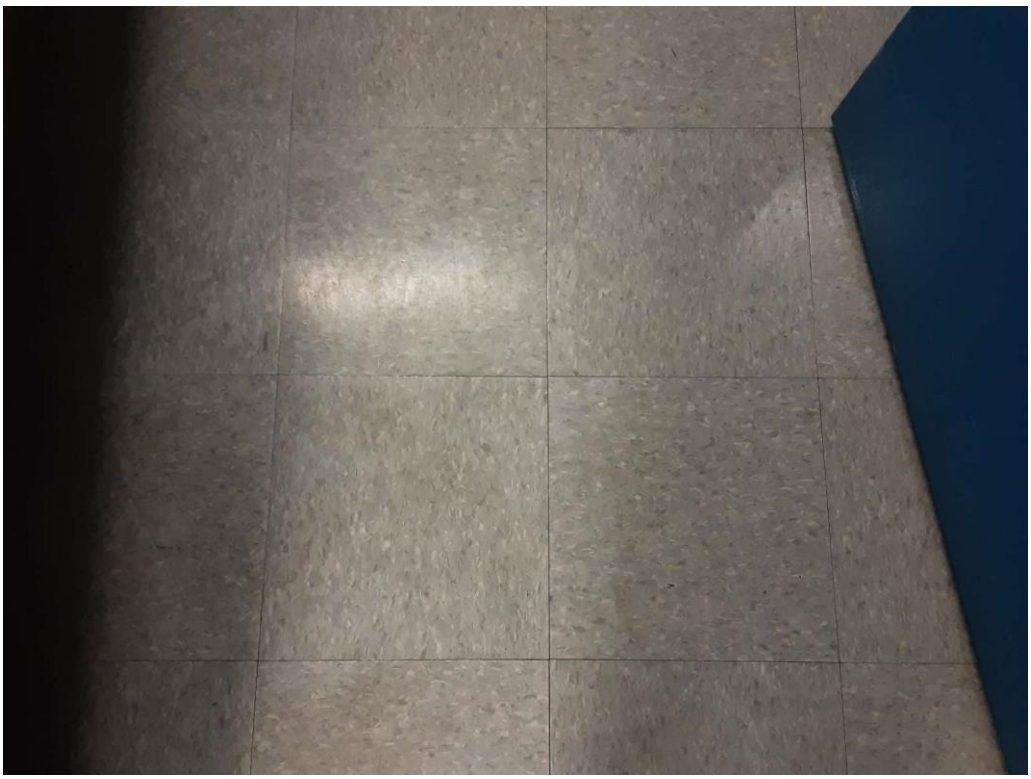
S0011A (Confirmed Asbestos), 12" brown with brown and cream flecks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 12)



S0012A (Confirmed Asbestos), 12" white with light blue flecks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 13)

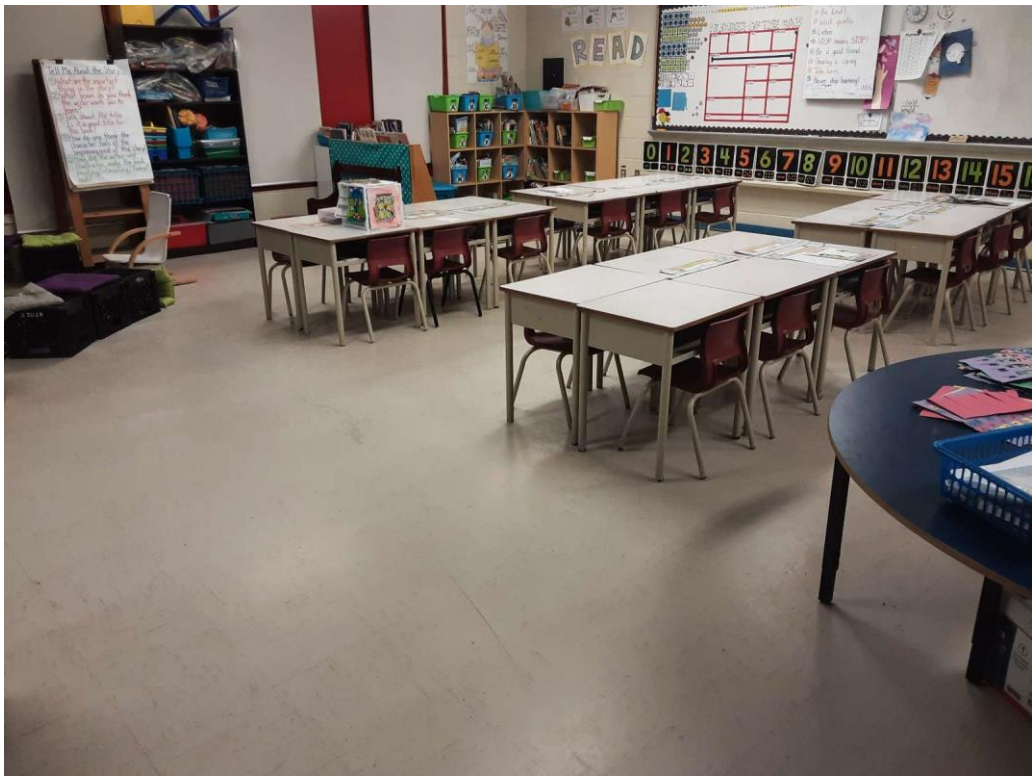
© 2024 Pinchin Ltd.

S0013A (Confirmed Asbestos), 12" dark green with flecks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 13)

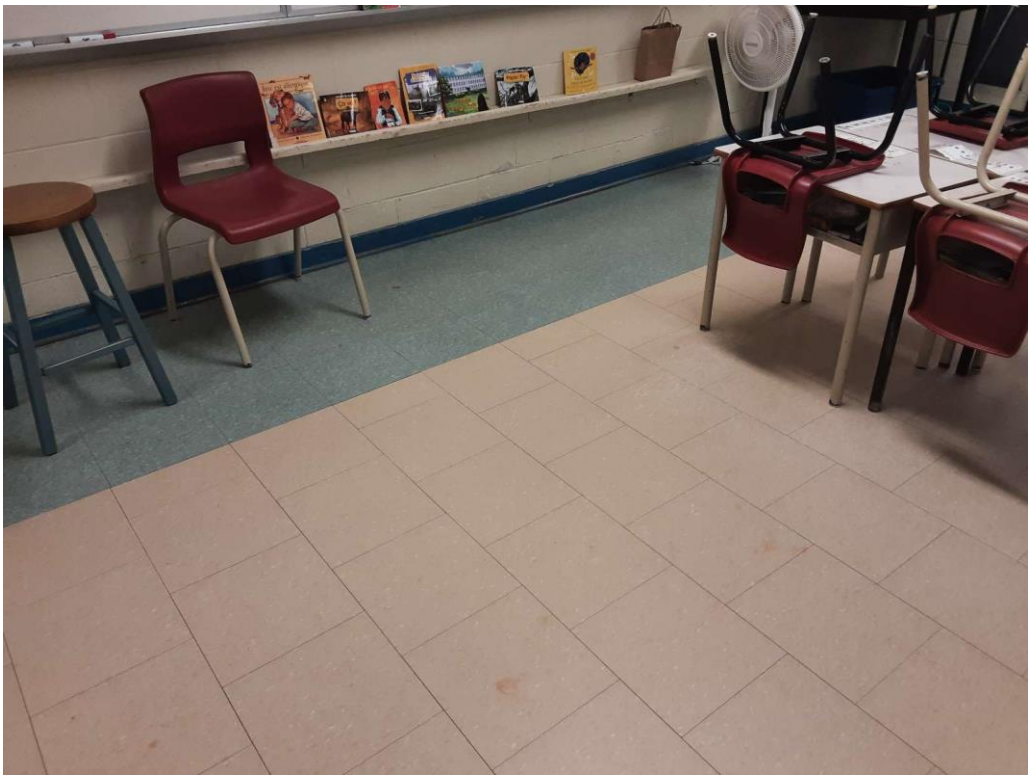


S0014A (Confirmed Asbestos), 12" medium grey with grey and white flecks, Floor, All, Vinyl Floor Tile and Mastic, Office (Location #: 14)

© 2024 Pinchin Ltd.



S0015A (Confirmed Asbestos), 12" beige with brown streaks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 15)



S0016A (Confirmed Asbestos), 12" medium green with white and green flecks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 16)

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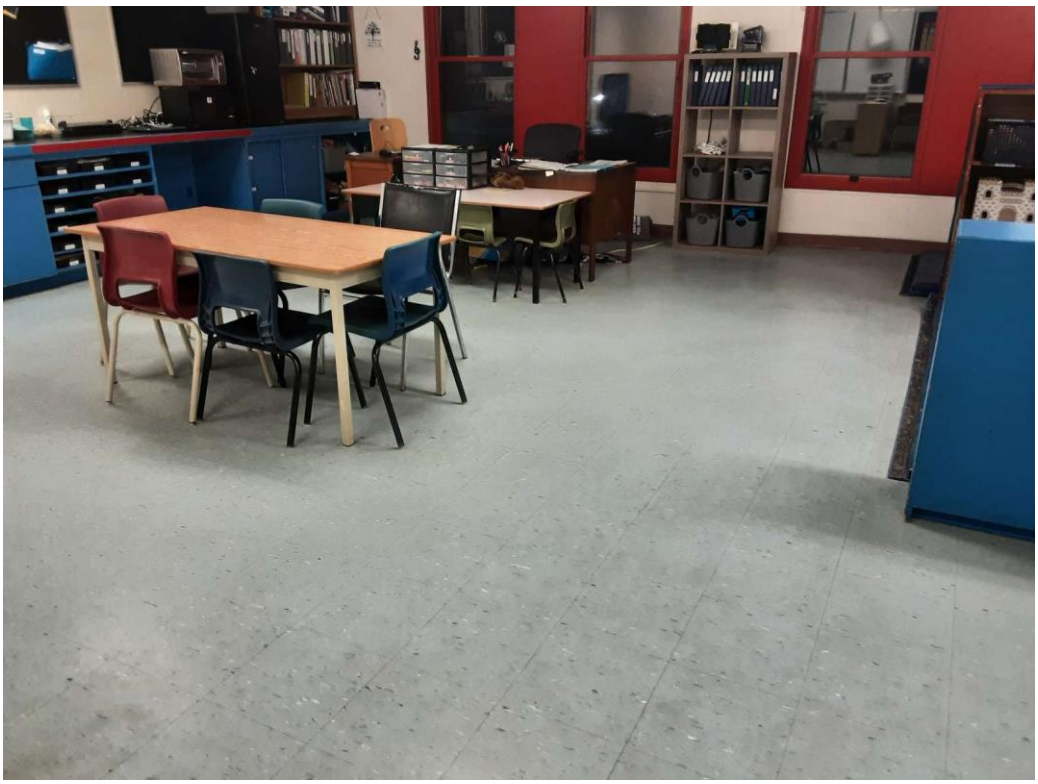
S0017A (Confirmed Asbestos), 12" tan with beige flecks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 16)



S0018A (Confirmed Asbestos), 12" teal with green and wite flecks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 18)

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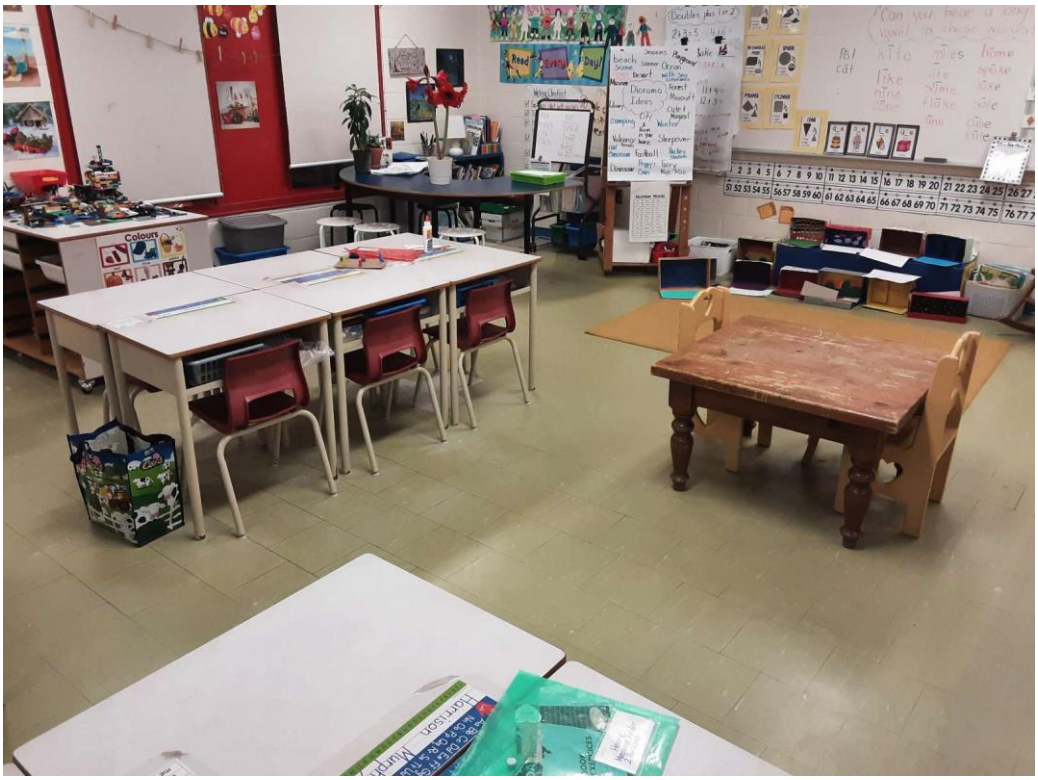
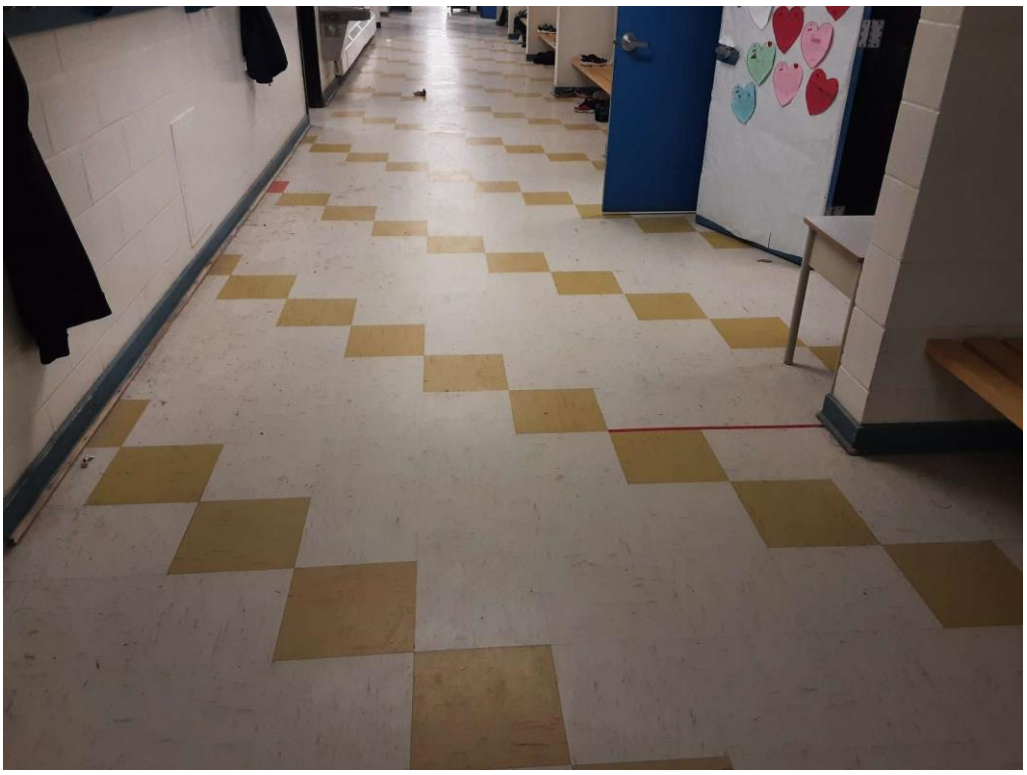


S0020A (Confirmed Asbestos), 9" green with white streaks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 27)



S0026A (Confirmed Asbestos), 12" off-white with red streaks, Floor, All, Vinyl Floor Tile and Mastic, Hallway (Location #: 40)

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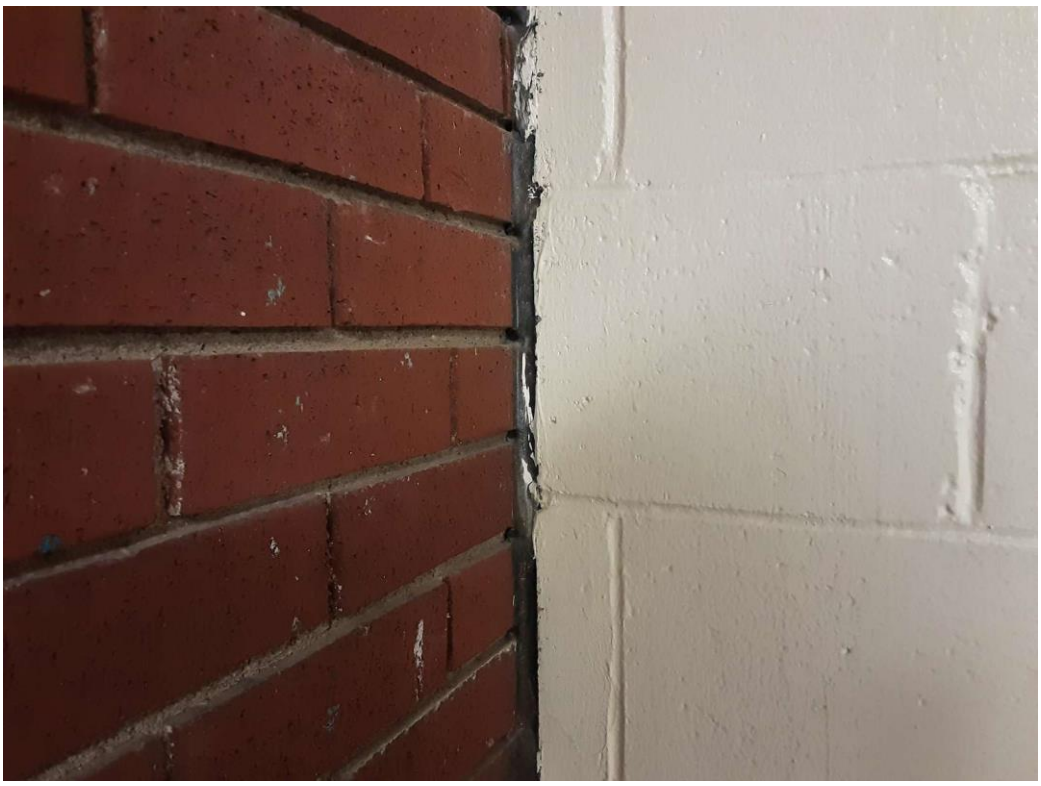
S0027A (Confirmed Asbestos), 12" yellow with red streaks, Floor, All, Vinyl Floor Tile and Mastic, Hallway (Location #: 40)



S0028C (Confirmed Asbestos), Black, Wall, Caulking, Hallway (Location #: 40)

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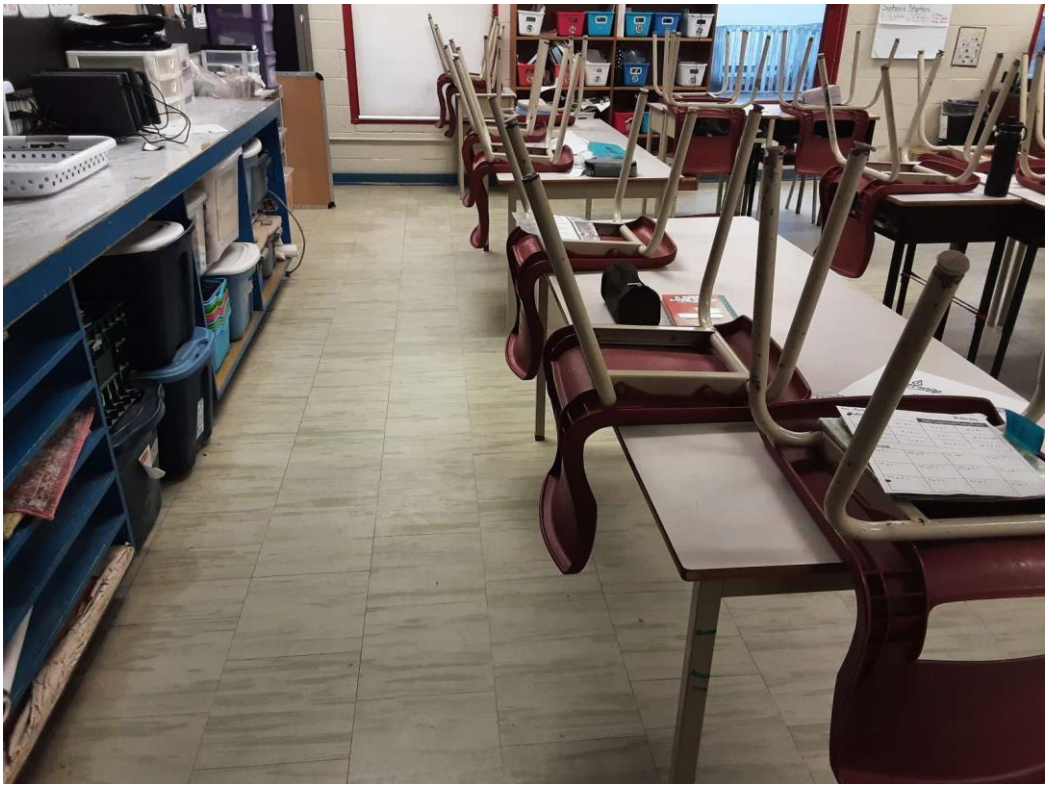
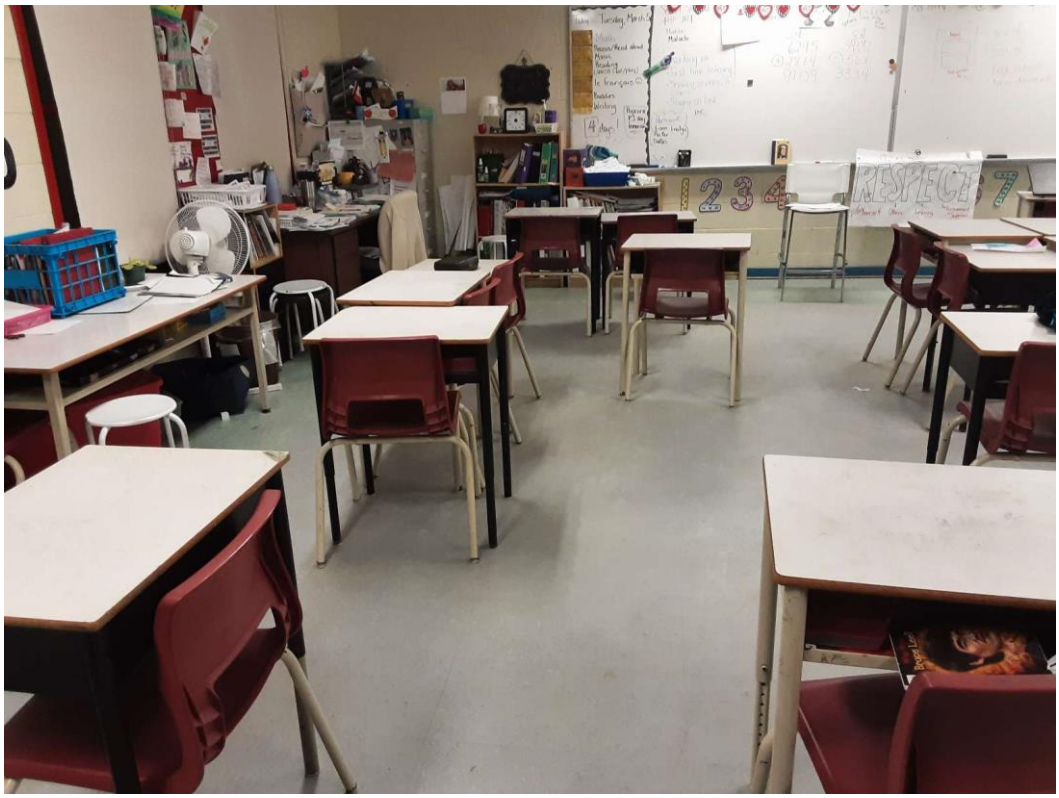
S0028C (Confirmed Asbestos), Black, Wall, Caulking, Hallway (Location #: 40)



S0029C (Confirmed Asbestos), 12" pale green with light green streaks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 46)

© 2024 Pinchin Ltd.



V9000 (Confirmed Asbestos), 12" grey with grey and white flecks, Floor, All, Vinyl Floor Tile and Mastic, Classroom (Location #: 33)
Homogenous installation with other flooring present. No discreet area to sample

V9500 (Presumed Asbestos), Painted white, Duct, Mastic, Cafeteria (Location #: 24)
Can't sample due to height. Unable to confirm colour as it is painted over.

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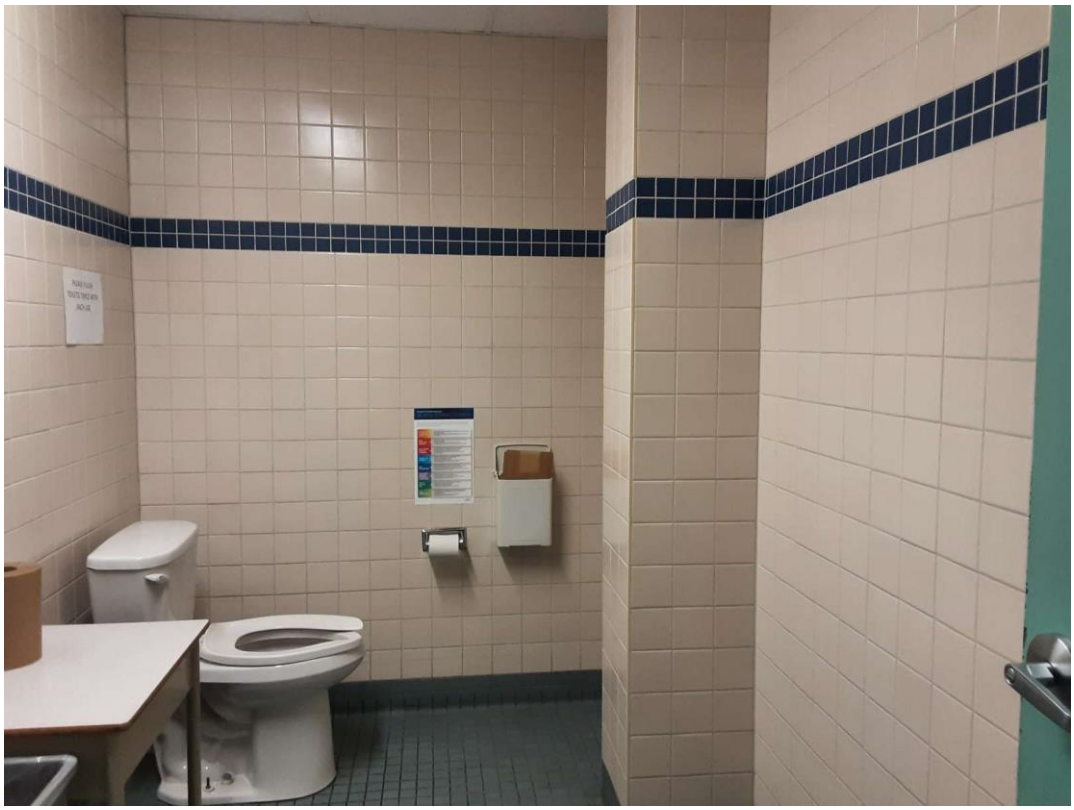
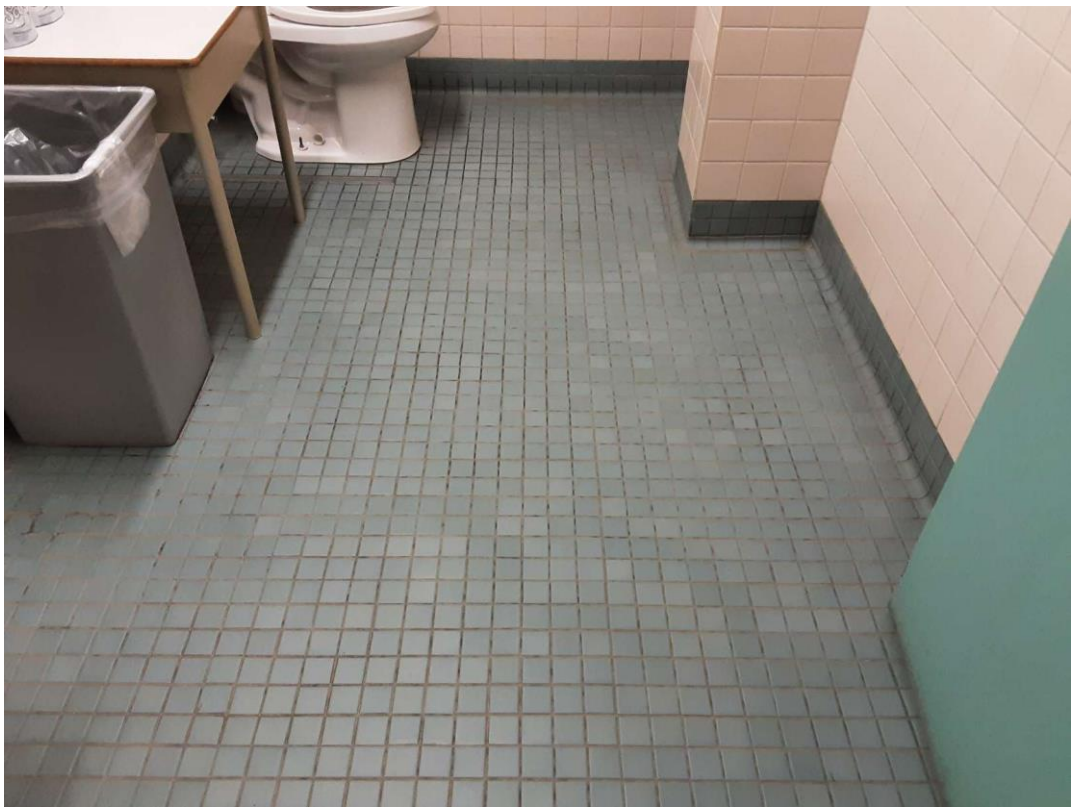


V9500 (Presumed Asbestos), Wall, All, Mortar, Ceramic tile thinset Staff Washroom (Location #: 37)



V9500 (Presumed Asbestos), Floor, All, Mortar, Ceramic tile thinset Staff Washroom (Location #: 37)

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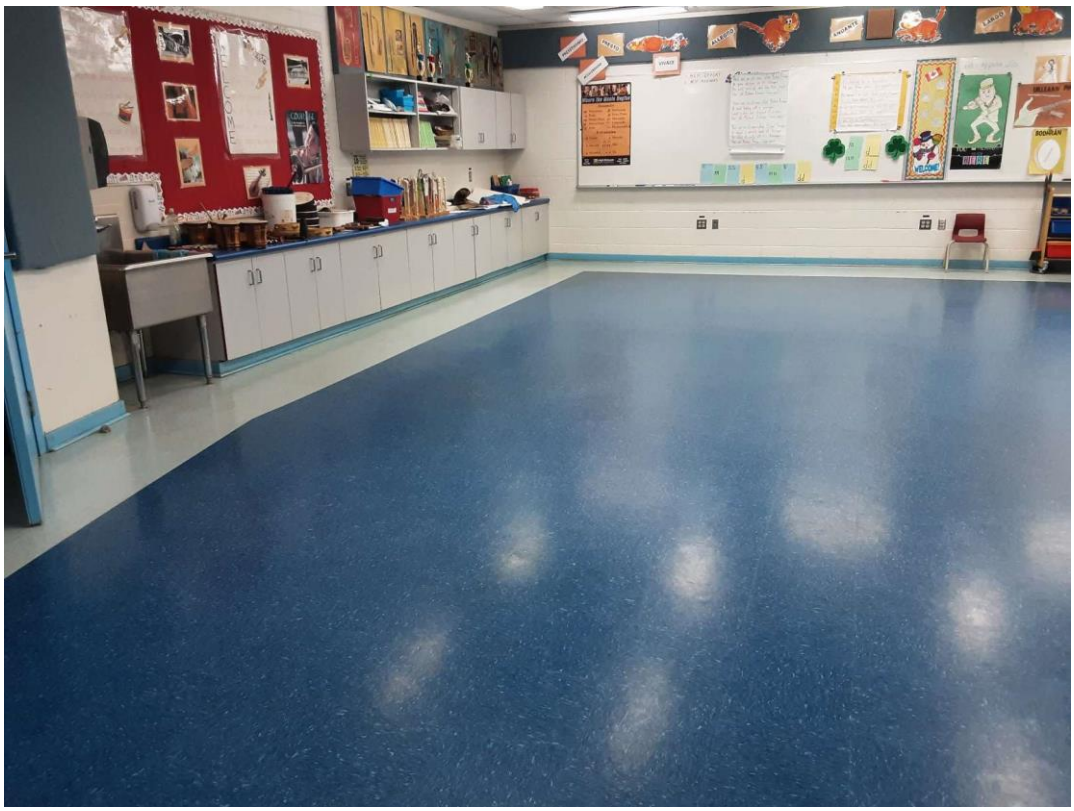
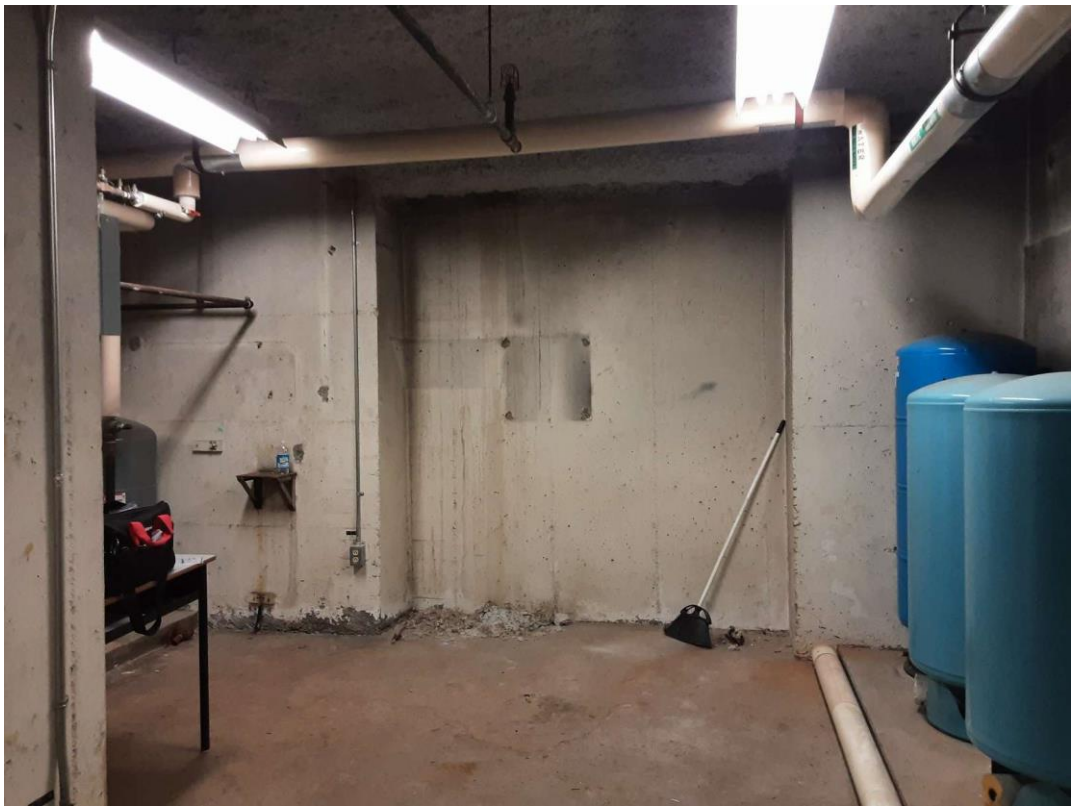
V9500 (Presumed Asbestos), Floor, All, Mortar, Ceramic tile thinset Hallway (Location #: 40)



V0000 (None), 12" dark blue with flecks, Floor, All, Vinyl Floor Tile and Mastic, Music Room (Location #: 70)
Homogenous installation with other flooring present. No discreet area to sample

© 2024 Pinchin Ltd.



L0001(Lead, Low), White, Wall, Boiler Room (Location #: 1)

L0004 (Lead, Low), Off-white, Wall, Classroom (Location #: 16)

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Lead Products, V9000(Yes), BELL AND SPIGOT FITTINGS, Boiler Room (Location #: 1)

Lead Products, V9500(Presumed), Batteries in Emer. Lights, Staff Area Hallway (Location #: 39)

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Mercury, V9000 (Yes), LIGHT FIXTURE, Caretaker Office (Location #: 25)

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March 22, 2024

HRCE - Halifax Regional Centre for Education
33 Spectacle Lake Drive
Dartmouth, Nova Scotia B3B 1X7

Re: Hazardous Building Materials Assessment (Management)
Bedford South Elementary School, 2 Oceanview Drive, Bedford, NS
Pinchin File: 0336128.010

HRCE - Halifax Regional Centre for Education (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment of Bedford South Elementary School located at 2 Oceanview Drive, Bedford, NS.

Pinchin performed the assessment on February 29, 2024. The assessor was unaccompanied during the assessment. The assessment was completed outside of regular school hours when teachers and students were not present. The assessed area was only occupied by maintenance staff at the time of the assessment.

The objective of the assessment was to document the locations of specified hazardous building materials, evaluate their condition and develop corrective action plans as required. This assessment is only to be used for the purposes of long-term management and routine maintenance. The results of this assessment are not to be used for construction, renovation, demolition or project tendering purposes.

The **assessed area** consisted of all interior and exterior areas of the building accessible with a 6-foot ladder, excluding the roof.

The assessment was performed to establish the type of specified hazardous building materials, locations and approximate quantities incorporated in the structure and its finishes.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Mould and Water Damage

1.0 RECOMMENDATIONS

1.1 On-going Management and Maintenance

The following recommendations regard on-going management and maintenance work involving the ACM identified.

1.1.1 Asbestos

Inspect all accessible confirmed and presumed ACM at reasonable intervals and update the written documentation annually, as required by provincial guidelines.

Update the asbestos inventory report for all new information obtained (i.e., new materials, change of condition, abatement performed).

Remove ACM before alteration or maintenance work if ACM may be disturbed. Follow appropriate asbestos precautions for the classification of work as per applicable regulations and guidelines.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

1.1.2 Lead

Exposure from construction disturbance of paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

Lead-containing items should be recycled when taken out of service.

1.1.3 Silica

Disturbance of silica-containing products during maintenance activities may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with per applicable regulations and guidelines.

1.1.4 Mercury

Do not break lamps. Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

1.2 Construction and Demolition

This assessment report does not provide sufficient detail to support renovation and demolition work. Therefore, perform a detailed intrusive assessment before building renovation or demolition operations. The assessment should include destructive testing (e.g., coring, removal of building finishes and components), and sampling of any other materials not tested (e.g., roofing materials, caulking, mastics).

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2.0 BACKGROUND INFORMATION

2.1 Assessed Area Description Summary

Description Item	Details
Building Use	School
Floors Above Grade	2
Floors Below Grade	0
Total Area (square feet)	71,460
Year of Construction	2000
Structure	Structural steel, Concrete block
Exterior Cladding	Precast concrete panels
HVAC	Mechanical room air handling units
Roof	Unknown (Not assessed)
Flooring	Vinyl floor tile, Ceramic tile
Wall and Ceiling Finishes	Drywall, Concrete block, Lay-in ceiling tiles

2.2 Existing Reports

2.2.1 Review of Previous Reports

No existing reports were provided for reference.

3.0 FINDINGS

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

3.1 Asbestos

The following table summarizes the materials evaluated for asbestos in the assessed area. For details on approximate quantities, condition, friability, accessibility, and locations of hazardous building materials; refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI.

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

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Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Notes
S0001 ABC	Duct | Mastic, Grey | Grey duct mastic	None Detected	No	2,070 LF	
S0002 ABC	Wall | Mastic, Red | Firestopping mastic on electrical conduit	None Detected	No	1 EA	
S0003 ABC	Wall | Caulking | Butyl tape - interior windows	None Detected	No	156 EA	
S0004 ABC	Wall | Caulking | Butyl tape - exterior windows	None Detected	No	165 EA	
S0005 ABC	Wall | Caulking, Grey | Grey exterior caulking	None Detected	No	96 EA	
V9500	Floor | Mortar | Ceramic tile thin set	Presumed Asbestos	Yes	6,785 SF	
V0000	Ceiling | Ceiling Tiles (lay-in)	Non Asbestos	No	28,576 SF	
V0000	Ceiling | Drywall and joint compound	Non Asbestos	No	4,896 SF	
V0000	Floor | Vinyl Floor Tile	Non Asbestos	No	48,742 SF	
V0000	Wall | Caulking | Grey Silicone	Non Asbestos	No	10 EA	
V0000	Wall | Drywall and joint compound	Non Asbestos	No	52,494 SF	

General Notes:

Materials identified as Sample Number V9500 were either observed to be present or based on the construction of the building/equipment are likely present in concealed locations. These materials have not been sampled and are presumed to contain asbestos based on historical known use of asbestos. Sampling of these materials may be completed prior to disturbance.

Materials identified as Sample Number V0000 were determined to be non-asbestos based on the manufacture date and known end of use of asbestos in these products.

3.1.1 Excluded Asbestos Materials

The following is a list of materials which may contain asbestos and were excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven to be non-asbestos by sampling and analysis:

- Roofing felts and tar, mastics

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- Elevator and lift brakes
- Vermiculite
- Adhesives
- Caulking and putties
- Soffit and fascia boards
- Fire resistant doors
- Sealants on pipe threads

3.2 Lead

Refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI for details on locations, condition and approximate quantities on paints sampled and their locations.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Notes
L0001	Wall | Concrete (precast) | Light grey	<0.0080%	No	23,835 SF	
L0002	Wall | Drywall and joint compound | Light yellow	<0.0081%	No	26,546 SF	
L0003	Wall | Drywall and joint compound | Light blue	<0.0082%	No	14,868 SF	
L0004	Wall | Drywall and joint compound | Light green	<0.0082%	No	11,268 SF	
L0005	Wall | Drywall and joint compound | Cream	<0.0080%	No	12,104 SF	

General Notes:

Paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

3.2.1 Lead Products and Applications

Refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report for details on lead-products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Notes
V9500	Batteries In Emer. Lights	Yes	33 EA	

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General Notes:

Items identified as Sample Number V9500 were observed to be present but could not be definitively determined to contain lead (e.g., inaccessible batteries).

3.2.2 Excluded Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections

3.3 Silica

Crystalline silica is a presumed component of the following materials:

- Concrete
- Masonry and mortar
- Ceramic tiles and grout

3.4 Mercury

Refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI for details on mercury-containing products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Notes
V9000	Light Fixture	Yes	795 EA	

General Notes:

Items identified as Sample Number V9000 were observed to be present and were determined to contain mercury based on visual observation (e.g., labelled lamps and ampules in thermostats).

3.5 Mould and Water Damage

Visible mould growth and water damage was not found during the assessment.

4.0 METHODOLOGY

Pinchin conducted a room-by-room assessment (rooms, corridors, service areas, exterior, etc.) to identify the hazardous building materials as defined in the scope.

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The assessment was limited to non-intrusive testing. Concealed spaces such as those above solid ceilings and within shafts and pipe chases were accessed via existing access panels only. Destructive testing of flooring was not conducted (under carpets or multiple layers of flooring). Demolition of walls, solid ceilings, structural items, interior finishes or exterior building finishes, to determine the presence of concealed materials was not conducted. Sampling of roofing materials was not conducted.

For further details on the methodology including test methods and evaluation criteria, refer to Appendix III.

5.0 REFERENCES

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

1. Nova Scotia Occupational Safety General Regulation (N.S. Reg. 53/2013).
2. A Guide to Removal of Friable Asbestos-Containing Material.
3. A Guide to Assessment and Management of Asbestos in the Workplace.
4. Asbestos Waste Management Regulations, N.S. Reg. 53/95.
5. Lead in the Workplace: A Guide to Working with Lead, revised January 18, 2019.
6. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
7. Guidelines for Disposal of Contaminated Solids in Landfills.
8. Nova Scotia Environment Act, 1994-95.
9. Mercury Diversion Standard, N.S. Reg. 161/2018.
10. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
11. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.
12. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.

6.0 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.

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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.

7.0 CLOSURE

Contact the undersigned should you have any questions.

Sincerely,

Pinchin Ltd.

Prepared by:

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902.461.9999
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Ontario and Atlantic
613.881.0762
mharrett@pinchin.com

Encl:

APPENDIX I	Drawings
APPENDIX II-A	Asbestos Analytical Certificates
APPENDIX II-B	Lead Analytical Certificates
APPENDIX III	Methodology
APPENDIX IV	Location Summary Report
APPENDIX V	Hazardous Materials Summary Report / Sample Log
APPENDIX VI	Confirmed and Presumed Report
APPENDIX VII	Photographs

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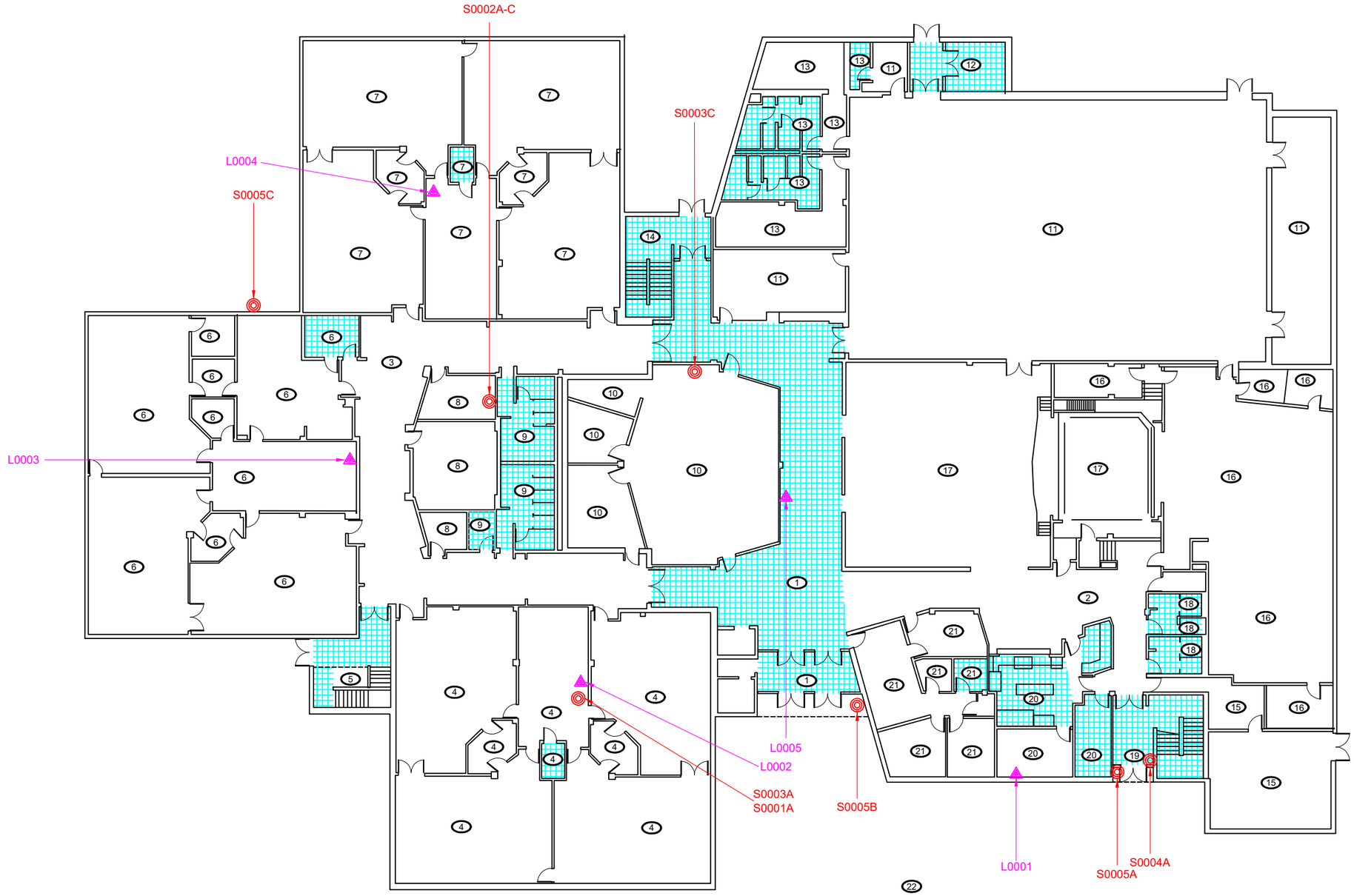
APPENDIX I
Drawings



N

LEGEND

- (X) PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE

PRESUMED ASBESTOS-CONTAINING MATERIALS:

- CERAMIC FLOOR TILE THINSET

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

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

PINCHIN

PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HALIFAX REGIONAL CENTRE FOR EDUCATION

PROJECT LOCATION:
BEDFORD SOUTH SCHOOL
2 OCEANVIEW DRIVE,
BEDFORD, NOVA SCOTIA

FIGURE NAME:
GROUND FLOOR PLAN

PROJECT NUMBER:	SCALE:
336128.010	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
NJ	AP
DATE:	FIGURE NUMBER:
MARCH 2024	1 OF 2

N

LEGEND

- X — PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE

PRESUMED ASBESTOS-CONTAINING MATERIALS:

- CERAMIC FLOOR TILE THINSET

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

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

PINCHIN

PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HALIFAX REGIONAL CENTRE FOR EDUCATION

PROJECT LOCATION:
BEDFORD SOUTH SCHOOL
2 OCEANVIEW DRIVE,
BEDFORD, NOVA SCOTIA

FIGURE NAME:
SECOND FLOOR PLAN

PROJECT NUMBER:	SCALE:
336128.010	NOT TO SCALE
DRAWN BY: NJ	REVIEWED BY: AP
DATE: MARCH 2024	FIGURE NUMBER: 2 OF 2

APPENDIX II-A
Asbestos Analytical Certificates

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name:	**HRCE, 2 Oceanview Drive, Bedford NS**		
Project No.:	**0336128.010**		
Prepared For:	**R. Tizzard / A. Thebeau**		
Lab Reference No.:	**b309552**		
Analyst(s):	**R. Janssen**		
Date Received:	**March 5, 2024**	**Samples Submitted:**	**15**
Date Analyzed:	**March 6, 2024**	**Phases Analyzed:**	**15**

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, 2 Oceanview Drive, Bedford NS
Project No.: 0336128.010
Prepared For: R. Tizzard / A. Thebeau

Lab Reference No.: b309552
Date Analyzed: March 6, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001A GREY DUCT MASTIC / LOC 4	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0001B GREY DUCT MASTIC / LOC 31	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0001C GREY DUCT MASTIC / LOC 37	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0002A RED FIRESTOPPING MASTIC / LOC 8	Homogeneous, red, caulking material.	None Detected	Non-Fibrous Material > 75%
S0002B RED FIRESTOPPING MASTIC / LOC 8	Homogeneous, red, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
Comments:	Silicon is present on the surface of this sample.		
S0002C RED FIRESTOPPING MASTIC / LOC 8	Homogeneous, red, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
Comments:	Silicon is present on the surface of this sample.		
S0003A BUTYL TAPE - INTERIOR WINDOWS / LOC 4	Homogeneous, black, soft, caulking material.	None Detected	Non-Fibrous Material > 75%
S0003B BUTYL TAPE - INTERIOR WINDOWS / LOC 25	Homogeneous, black, soft, caulking material.	None Detected	Non-Fibrous Material > 75%
S0003C BUTYL TAPE - INTERIOR WINDOWS / LOC 10	Homogeneous, black, soft, caulking material.	None Detected	Non-Fibrous Material > 75%
S0004A BUTYL TAPE - EXTERIOR WINDOWS / LOC 19	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: HRCE, 2 Oceanview Drive, Bedford NS
Project No.: 0336128.010
Prepared For: R. Tizzard / A. Thebeau

Lab Reference No.: b309552
Date Analyzed: March 6, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0004B BUTYL TAPE - EXTERIOR WINDOWS / LOC 40	Homogeneous, black, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
S0004C BUTYL TAPE - EXTERIOR WINDOWS / LOC 35	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
S0005A GREY EXTERIOR CAULKING - DOOR / LOC 22	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0005B GREY EXTERIOR CAULKING - EXPANSION JOINT / LOC 22	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0005C GREY EXTERIOR CAULKING - WINDOW / LOC 22	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Pinchin Ltd.
2024.03.06 15:57:41-04'00'

Reporting Analyst:

Pinchin Ltd.
2024.03.06 15:51:57-04'00'

PINCHIN

Analyzed By: RJ

Reviewed By: NG

Report Sent By:

MEMBER OF PG THE PINCHIN GROUP

Special Instructions:

Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody

Client Name:	HRCE			**Project Address:**	2 Oceanview Drive, Bedford NS		
Portfolio/Building No:				**Pinchin File:**	336128.010		
Submitted by:	Rebecca Tizzard			**Email:**	rtizzard@pinchin.com		
CC Results to:	Allain Thebeau			**CC Email:**	athebeau@pinchin.com		
Invoice to:				**Invoice Email:**			
Date Submitted:	March	4	2024	**Required by:**	Month	Day	Year
# of Samples:	15			**Priority:**	5 Day Turnaround		
Year of Building Construction (*Mandatory Field*):				2000			
Do NOT Stop on Positive (Sample Numbers):							
Pinchin Group Company (*Mandatory Field*):				Pinchin			

To be Completed by Lab Personnel Only:						
Lab Reference #:	b305552		**Time:**	24 hour clock		
Received by:	R Janssen		**Date:** Mar 5/24	Month	Day	2021
Name(s) of Analyst(s):	R. Janssen					

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)	
S	0001	A	GREY DUCT MASTIC / LOC 4	MD
S	0001	B	GREY DUCT MASTIC / LOC 31	MD
S	0001	C	GREY DUCT MASTIC / LOC 37	MD
S	0002	A	RED FIRESTOPPING MASTIC / LOC 8	MD
S	0002	B	RED FIRESTOPPING MASTIC / LOC 8	MD

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)	
S	0002	C	RED FIRESTOPPING MASTIC / LOC 8	ND
S	0003	A	BUTYL TAPE - INTERIOR WINDOWS / LOC 4	ND
S	0003	B	BUTYL TAPE - INTERIOR WINDOWS / LOC 25	ND
S	0003	C	BUTYL TAPE - INTERIOR WINDOWS / LOC 10	ND
S	0004	A	BUTYL TAPE - EXTERIOR WINDOWS / LOC 19	ND
S	0004	B	BUTYL TAPE - EXTERIOR WINDOWS / LOC 40	ND
S	0004	C	BUTYL TAPE - EXTERIOR WINDOWS / LOC 35	ND
S	0005	A	GREY EXTERIOR CAULKING - DOOR / LOC 22	ND
S	0005	B	GREY EXTERIOR CAULKING - EXPANSION JOINT / LOC 22	ND
S	0005	C	GREY EXTERIOR CAULKING - WINDOW / LOC 22	ND

10

APPENDIX II-B
Lead Analytical Certificates

EMSL Canada Inc.
2756 Slough Street, Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
http://www.EMSL.com torontolab@emsl.com

EMSL Canada Or	552403359
CustomerID:	55PINC50
CustomerPO:	336128.010
ProjectID:	

Attn: **Rebecca Tizzard**
Pinchin Environmental
42 Dorey Avenue
Dartmouth, Nova Scotia, NS B3B 0B1

Phone:	(902) 461-9999
Fax:	(902) 461-9932
Received:	3/6/2024 09:42 AM
Collected:	2/29/2024

Project: **336128.010**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	*Collected*	*Analyzed*	*Weight*	*RDL*	*Lead Concentration*
L0001	2/29/2024	3/6/2024	0.2558 g	0.0080 % wt	<0.0080 % wt
552403359-0001	Site: Light Grey/Loc 20				
L0002	2/29/2024	3/6/2024	0.2461 g	0.0081 % wt	<0.0081 % wt
552403359-0002	Site: Light Yellow/Loc 4				
L0003	2/29/2024	3/6/2024	0.2442 g	0.0082 % wt	<0.0082 % wt
552403359-0003	Site: Light Blue /Loc6				
L0004	2/29/2024	3/6/2024	0.2447 g	0.0082 % wt	<0.0082 % wt
552403359-0004	Site: Light Green/Loc 7				
L0005	2/29/2024	3/6/2024	0.2542 g	0.0080 % wt	<0.0080 % wt
552403359-0005	Site: Cream/Loc1				

Rowena Fanto, Lead Supervisor
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.
* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Canada Inc. Mississauga, ON AIHA LAP, LLC-ELLAP Accredited #196142

Initial report from 03/12/2024 16:45:20

APPENDIX III
Methodology

1.0 GENERAL

An investigation was conducted to identify the type of Hazardous Building Materials incorporated in the structure and its finishes.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities were recorded. The locations of any samples collected were recorded on small-scale plans. As-built drawings and previous reports were referenced where provided.

Sample collection was conducted in accordance with our Standard Operating Procedures.

1.1 Asbestos

The investigation for asbestos included friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure, or a material that has already become crushed, pulverized, or powdered.

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 of select materials 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.

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Analytical results were compared to the following criteria:

Jurisdiction	Friable	Non-Friable
Nova Scotia	0.5%[1]	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 were evaluated in order to make recommendations regarding any remedial work. The priority for remedial action was 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.

1.2 Lead

Samples of distinctive paint finishes, and surface coatings present in more than a limited application, where removal of the paint is possible were collected. The samples were collected by scraping the painted finish to include base and covering applications.

Analysis for lead in paints or surface coatings was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

Analytical results were compared to the following criteria.

Jurisdiction	Units (%)	Units (ppm) / (mg/kg)
Nova Scotia	0.009	90

Other lead building products (e.g. batteries) were identified by visual observation only.

[1] Or any amount if vermiculite

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1.3 Silica

Building materials known to contain crystalline silica (e.g. concrete, tile, brick, masonry, mortar) were identified by visual inspection only. Pinchin did not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.4 Mercury

Building materials, products or equipment (e.g. thermostats, lamp tubes), suspected to contain mercury were identified by visual inspection only. Dismantling of equipment suspected of containing mercury was not performed. Sampling of these materials for laboratory analysis of mercury content was not performed.

1.5 Visible Mould

The presence of mould or water damage was determined by visual inspection of exposed building surfaces. If any mould growth or water damage was concealed within building cavities it was not addressed in this assessment.

Template: Methodology for Hazardous Building Materials Assessment, HAZ, January 16, 2024

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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.

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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.

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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.

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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.

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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

	Condition			
Access	**Good**	**Fair**	**Poor**	**Debris**
(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

	Condition			
Access	**Good**	**Fair**	**Poor**	**Debris**
(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

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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).

Master Template: Methodology Annex A to Appendix I Evaluation Criteria, HAZ, August 17, 2023

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APPENDIX IV
Location Summary Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

LOCATIONS LIST

PINCHIN
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Client:Halifax Regional Centre for Education
Site: 2 Oceanview Drive, Bedford, NS
Building Name: Bedford South Elementary School
Survey Date: 2024-02-29
Last Re-Assessment:
Building Phases: A: 2000

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1	Vestibule, Lobby, Corridor 1005, Corridor 1006, room no. 1001, 1002, 1005, 1006	1250	1	A	
2	Corridor 1003, 1004, room no. 1003, 1004	770	1	A	
3	Corridor 1007, 1008, 1009, room no. 1007-1009	1710	1	A	
4	1F Yellow Pod, room no. 1010-1017	4356	1	A	
5	1F Eastern Vestibule & Stairwell, room no. 1018-ST01	340	1	A	
6	1F Blue Pod, room no. 1020-1029	4356	1	A	
7	1F Green Pod, room no. 1030-1037	4356	1	A	
8	1F Electrical, General Storage, Custodial, room no. 1044-1046	636	1	A	
9	1F Eastern Washrooms, room no. 1043, 1047, 1048	531	1	A	
10	Library Area, room no. 1039-1042	1959	1	A	
11	Gymnasium Area, room no. 1050, 1051, 1054,1061	6639	1	A	
12	Gymnasium Vestibule, room no. 1053	150	1	A	
13	Gymnasium Washrooms, room no. 1056-1060	1545	1	A	
14	1F Southern Vestibule & Stairwell, room no. 1062, ST02	340	1	A	
15	Caretaker's Office & Mechanical Room, room no. 1063, 1066	738	1	A	
16	Visual Arts, Drama, Music, room no. 1065, 1069, 1070-1074	2950	1	A	
17	Cafeteria & Stage, room no. 1075, 1077	3090	1	A	
18	1F Northern Washrooms, room no. 1067, 1068	224	1	A	
19	1F Northern Vestibule & Stairwell, room no. 1078, ST03	340	1	A	
20	Kitchen Area, room no. 1079-1081	745	1	A	
21	Admin Office Area, room no. 1084,-1090	957	1	A	
22	Exterior	0		A	
23	Corridor 2001 & 2002, room no. 2001-2002	820	2	A	
24	Corridor 2003, 2004, 2005, 2006, room no. 2006-2006	2300	2	A	
25	Corridor 2007, 2008, room no. 2007-2008	1290	2	A	
26	2F Northern Stairwell, room no. ST03	340	2	A	
27	Family Studies, room no. 2010-2013	1372	2	A	
28	2F Western Stairwell, room no. ST02	340	2	A	
29	Student Services, room no. 2014-2017	560	2	A	
30	Seminar, Multimedia, room no. 2018-2021	768	2	A	
31	Western Mechanical Room, room no. 2022	824	2	A	
32	2F Green Pod, room no. 2025-	4356	2	A	

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Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
	2031				
33	2F Blue Pod, room no. 2036-2041	4356	2	A	
34	2F Eastern Stairwell, room no. ST01	340	2	A	
35	2F Yellow Pod, room no. 2045-2051	4356	2	A	
36	2F Washrooms, room no. 2055-2056	531	2	A	
37	2F Mechanical, General Storage	708	2	A	
38	2F Custodial, Accessible Washroom, room no. 2064-2065	119	2	A	
39	IT/Tech Ed, room no. 2067-2072	2422	2	A	
40	Staff Lounge, Washrooms, Kitchen, room no. 2073-2076	575	2	A	

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APPENDIX V
Hazardous Materials Summary Report / Sample Log

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

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Client:Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School** **Survey Date: 2024-02-29**

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABC	Duct | | Mastic, Grey | Grey Duct Mastic	1,2,3,4,6,7,9,10,11,13,16,21,23,24,25,27,29 30,31,32,33,35,36,37,38,39,40	A	2070	0	0	0	None Detected	No	
Asbestos	S0002 ABC	Wall | | Mastic, Red | Red Fireproofing Mastic On Electrical Conduit	8	A	0	0	1	0	None Detected	No	
Asbestos	S0003 ABC	Wall | Window Liner | Caulking | Butyl Seal - Interior Windows	1,4,6,7,10,21,23,25,29,30,32,33,35	A	0	0	156	0	None Detected	No	
Asbestos	S0004 ABC	Wall | Window Liner | Caulking | Butyl Seal - Exterior Windows	1,4,5,6,7,12,14,19,21,26,28,32,33,34,35,39 40	A	0	0	165	0	None Detected	No	
Asbestos	S0005 ABC	Wall | Door, Expansion Joint, Window | Caulking, Grey | Grey Exterior Caulking	22	A	0	0	96	0	None Detected	No	
Asbestos	V9500	Floor | | Mortar | Ceramic Tiles In Washroom	1,4,5,6,7,9,12,13,14,18,19,20,21,26,28,34,36 38,40	A	0	6785	0	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Ceiling | | Ceiling Tiles (lay-in) |	1,2,3,5,9,11,14,15,16,17,19,21,23,24,25,26 27,28,29,30,34,36,38,39,40	A	0	28576	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling | | Drywall And Joint Compound |	8,11,13,20,31,37	A	0	4896	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Floor Tile |	2,3,4,6,7,10,15,16,17,20,21,23,24,25,26,27 28,29,30,32,33,34,35,39,40	A	0	48742	0	0	Non Asbestos	No	
Asbestos	V0000	Wall | | Caulking | Grey Silicone Caulking	15	A	0	0	10	0	Non Asbestos	No	
Asbestos	V0000	Wall | | Drywall And Joint Compound |	1,4,6,7,8,10,16,21,27,29,30,31,32,33,35,37 39,40	A	0	52494	0	0	Non Asbestos	No	
Paint	L0001	Wall | Concrete (precast) | Light Grey	3,5,8,14,15,16,19,20,24,26,27,28,31 34,37,38,39	A	0	23835	0	0		No	-
Paint	L0002	Wall | Drywall And Joint Compound | Light Yellow	4,9,13,16,18,19,20,23,29,30,35,36,40	A	0	26546	0	0		No	-
Paint	L0003	Wall | Drywall And Joint Compound | Light Blue	6,21,33	A	0	14868	0	0		No	-
Paint	L0004	Wall | Drywall And Joint Compound | Light Green	7,32	A	0	11268	0	0		No	-
Paint	L0005	Wall | Drywall And Joint Compound | Cream	1,2,10,11,12,17,25	A	0	12104	0	0		No	-
Lead Product	V9500	Batteries In Emer. Lights	1,4,5,6,7,9,11,13,14,15,16,18,19 20,23,24,25,26,28,31,32,33,34,35,36,37	A	0	0	33	0	Presumed Lead Product	Yes	-
PCB	V0000	Light Ballasts	1,2,3,4,5,6,7,8,9,10,11,12,13 14,15,16,17,18,19,20,21,23,24,25,26,27 28,29,30,31,32,33,34,35,36,37,38,39,40	A	0	0	789	0	-	No	-
Hg	V9000	Light Fixture	1,2,3,4,5,6,7,8,9,10,11,12,13 14,15,16,17,18,19,20,21,23,24,25,26,27 28,29,30,31,32,33,34,35,36,37,38,39,40	A	0	0	795	0	Hg	Yes	-

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

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

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

APPENDIX VI
Confirmed and Presumed Report

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #1 : Vestibule, Lobby, Corridor 1005, Corridor 1006 **Floor: 1** **Room #: 1001, 1002, 1005, 1006** **Area (sqft): 1250**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS															
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	A	Y		1250			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #1 : Vestibule, Lobby, Corridor 1005, Corridor 1006 **Floor: 1** **Room #: 1001, 1002, 1005, 1006** **Area (sqft): 1250**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #1 : Vestibule, Lobby, Corridor 1005, Corridor 1006 **Floor: 1** **Room #: 1001, 1002, 1005, 1006** **Area (sqft): 1250**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	20	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #2 : Corridor 1003, 1004 **Floor: 1** **Room #: 1003, 1004** **Area (sqft): 770**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	8	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #3 : Corridor 1007, 1008, 1009 **Floor: 1** **Room #: 1007-1009** **Area (sqft): 1710**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #3 : Corridor 1007, 1008, 1009 **Floor: 1** **Room #: 1007-1009** **Area (sqft): 1710**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	18	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #4 : 1F Yellow Pod **Floor: 1** **Room #: 1010-1017** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar, Ceramic tiles in washroom		Ceramic Tiles	D	N		40			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #4 : 1F Yellow Pod **Floor: 1** **Room #: 1010-1017** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #4 : 1F Yellow Pod **Floor: 1** **Room #: 1010-1017** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	60	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #5 : 1F Eastern Vestibule & Stairwell **Floor: 1** **Room #: 1018-ST01** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		560			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #5 : 1F Eastern Vestibule & Stairwell **Floor: 1** **Room #: 1018-ST01** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #5 : 1F Eastern Vestibule & Stairwell **Floor: 1** **Room #: 1018-ST01** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #6 : 1F Blue Pod **Floor: 1** **Room #: 1020-1029** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar, Ceramic tiles in washroom		Ceramic Tiles	D	N		40			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #6 : 1F Blue Pod **Floor: 1** **Room #: 1020-1029** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #6 : 1F Blue Pod **Floor: 1** **Room #: 1020-1029** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	60	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #7 : 1F Green Pod **Floor: 1** **Room #: 1030-1037** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar, Ceramic tiles in washroom		Ceramic Tiles	D	N		40			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #7 : 1F Green Pod **Floor: 1** **Room #: 1030-1037** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #7 : 1F Green Pod **Floor: 1** **Room #: 1030-1037** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	60	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #8 : 1F Electrical, General Storage, Custodial **Floor: 1** **Room #: 1044-1046** **Area (sqft): 636**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	9	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #9 : 1F Eastern Washrooms **Floor: 1** **Room #: 1043, 1047, 1048** **Area (sqft): 531**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	A	Y		531			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #9 : 1F Eastern Washrooms **Floor: 1** **Room #: 1043, 1047, 1048** **Area (sqft): 531**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #9 : 1F Eastern Washrooms **Floor: 1** **Room #: 1043, 1047, 1048** **Area (sqft): 531**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9000	Yes

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Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #10 : Library Area **Floor: 1** **Room #: 1039-1042** **Area (sqft): 1959**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	20	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #11 : Gymnasium Area **Floor: 1** **Room #: 1050, 1051, 1054,1061** **Area (sqft): 6639**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #11 : Gymnasium Area **Floor: 1** **Room #: 1050, 1051, 1054,1061** **Area (sqft): 6639**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	35	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #12 : Gymnasium Vestibule **Floor: 1** **Room #: 1053** **Area (sqft): 150**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		150			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #12 : Gymnasium Vestibule **Floor: 1** **Room #: 1053** **Area (sqft): 150**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #13 : Gymnasium Washrooms **Floor: 1** **Room #: 1056-1060** **Area (sqft): 1545**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	A	Y		430			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #13 : Gymnasium Washrooms **Floor: 1** **Room #: 1056-1060** **Area (sqft): 1545**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #13 : Gymnasium Washrooms **Floor: 1** **Room #: 1056-1060** **Area (sqft): 1545**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	20	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #14 : 1F Southern Vestibule & Stairwell **Floor: 1** **Room #: 1062, ST02** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		560			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #14 : 1F Southern Vestibule & Stairwell **Floor: 1** **Room #: 1062, ST02** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #14 : 1F Southern Vestibule & Stairwell **Floor: 1** **Room #: 1062, ST02** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #15 : Caretaker's Office & Mechanical Room **Floor: 1** **Room #: 1063, 1066** **Area (sqft): 738**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #15 : Caretaker's Office & Mechanical Room **Floor: 1** **Room #: 1063, 1066** **Area (sqft): 738**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture[1]	9	EA	V9000	Yes

1 - 2 bulb

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #16 : Visual Arts, Drama, Music **Floor: 1** **Room #: 1065, 1069, 1070-1074** **Area (sqft): 2950**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**

Location: #16 : Visual Arts, Drama, Music **Floor: 1** **Room #: 1065, 1069, 1070-1074** **Area (sqft): 2950**

Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	20	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #17 : Cafeteria & Stage **Floor: 1** **Room #: 1075, 1077** **Area (sqft): 3090**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	15	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #18 : 1F Northern Washrooms **Floor: 1** **Room #: 1067, 1068** **Area (sqft): 224**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		224			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #18 : 1F Northern Washrooms **Floor: 1** **Room #: 1067, 1068** **Area (sqft): 224**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #18 : 1F Northern Washrooms **Floor: 1** **Room #: 1067, 1068** **Area (sqft): 224**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	6	EA	V9000	Yes

1 - 2 bulb

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #19 : 1F Northern Vestibule & Stairwell **Floor: 1** **Room #: 1078, ST03** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		560			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #19 : 1F Northern Vestibule & Stairwell **Floor: 1** **Room #: 1078, ST03** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #19 : 1F Northern Vestibule & Stairwell **Floor: 1** **Room #: 1078, ST03** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	3	EA	V9000	Yes

1 - 2 bulb

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #20 : Kitchen Area **Floor: 1** **Room #: 1079-1081** **Area (sqft): 745**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor[1]		Mortar		Ceramic Tiles	D	N		560			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

1 - Recycling 1079, Kitchen 1080

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #20 : Kitchen Area **Floor: 1** **Room #: 1079-1081** **Area (sqft): 745**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #20 : Kitchen Area **Floor: 1** **Room #: 1079-1081** **Area (sqft): 745**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	20	EA	V9000	Yes

1 - 2 bulb

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #21 : Admin Office Area **Floor: 1** **Room #: 1084,-1090** **Area (sqft): 957**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor[1]		Mortar		Ceramic Tiles	D	N		56			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

1 - washroom

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #21 : Admin Office Area **Floor: 1** **Room #: 1084,-1090** **Area (sqft): 957**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	20	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #23 : Corridor 2001 & 2002 **Floor: 2** **Room #: 2001-2002** **Area (sqft): 820**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #23 : Corridor 2001 & 2002 **Floor: 2** **Room #: 2001-2002** **Area (sqft): 820**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	12	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #24 : Corridor 2003, 2004, 2005, 2006 **Floor: 2** **Room #: 2006-2006** **Area (sqft): 2300**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #24 : Corridor 2003, 2004, 2005, 2006 **Floor: 2** **Room #: 2006-2006** **Area (sqft): 2300**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	18	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #25 : Corridor 2007, 2008 **Floor: 2** **Room #: 2007-2008** **Area (sqft): 1290**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #25 : Corridor 2007, 2008 **Floor: 2** **Room #: 2007-2008** **Area (sqft): 1290**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	20	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #26 : 2F Northern Stairwell **Floor: 2** **Room #: ST03** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		340			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #26 : 2F Northern Stairwell **Floor: 2** **Room #: ST03** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #26 : 2F Northern Stairwell **Floor: 2** **Room #: ST03** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2024

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #27 : Family Studies **Floor: 2** **Room #: 2010-2013** **Area (sqft): 1372**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #28 : 2F Western Stairwell **Floor: 2** **Room #: ST02** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		340			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #28 : 2F Western Stairwell **Floor: 2** **Room #: ST02** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #28 : 2F Western Stairwell **Floor: 2** **Room #: ST02** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9000	Yes

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Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #29 : Student Services **Floor: 2** **Room #: 2014-2017** **Area (sqft): 560**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	18	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #30 : Seminar, Multimedia **Floor: 2** **Room #: 2018-2021** **Area (sqft): 768**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	24	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #31 : Western Mechanical Room **Floor: 2** **Room #: 2022** **Area (sqft): 824**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #31 : Western Mechanical Room **Floor: 2** **Room #: 2022** **Area (sqft): 824**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	18	EA	V9000	Yes

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Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #32 : 2F Green Pod **Floor: 2** **Room #: 2025-2031** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #32 : 2F Green Pod **Floor: 2** **Room #: 2025-2031** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	60	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #33 : 2F Blue Pod **Floor: 2** **Room #: 2036-2041** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #33 : 2F Blue Pod **Floor: 2** **Room #: 2036-2041** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	60	EA	V9000	Yes

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Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #34 : 2F Eastern Stairwell **Floor: 2** **Room #: ST01** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	D	N		340			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #34 : 2F Eastern Stairwell **Floor: 2** **Room #: ST01** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #34 : 2F Eastern Stairwell **Floor: 2** **Room #: ST01** **Area (sqft): 340**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9000	Yes

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Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #35 : 2F Yellow Pod **Floor: 2** **Room #: 2045-2051** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #35 : 2F Yellow Pod **Floor: 2** **Room #: 2045-2051** **Area (sqft): 4356**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	60	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #36 : 2F Washrooms **Floor: 2** **Room #: 2055-2056** **Area (sqft): 531**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	A	Y		531			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #36 : 2F Washrooms **Floor: 2** **Room #: 2055-2056** **Area (sqft): 531**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #36 : 2F Washrooms **Floor: 2** **Room #: 2055-2056** **Area (sqft): 531**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9000	Yes

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Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #37 : 2F Mechanical, General Storage **Floor: 2** **Room #:** **Area (sqft): 708**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #37 : 2F Mechanical, General Storage **Floor: 2** **Room #:** **Area (sqft): 708**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #38 : 2F Custodial, Accessible Washroom **Floor: 2** **Room #: 2064-2065** **Area (sqft): 119**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Mortar		Ceramic Tiles	A	Y		119			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #38 : 2F Custodial, Accessible Washroom **Floor: 2** **Room #: 2064-2065** **Area (sqft): 119**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9000	Yes

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Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #39 : IT/Tech Ed **Floor: 2** **Room #: 2067-2072** **Area (sqft): 2422**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	26	EA	V9000	Yes

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #40 : Staff Lounge, Washrooms, Kitchen **Floor: 2** **Room #: 2073-2076** **Area (sqft): 575**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor[1]		Mortar		Ceramic Tiles	A	Y		114			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF

1 - staff washrooms

Client: Halifax Regional Centre for Education **Site: 2 Oceanview Drive, Bedford, NS** **Building Name: Bedford South Elementary School**
Location: #40 : Staff Lounge, Washrooms, Kitchen **Floor: 2** **Room #: 2073-2076** **Area (sqft): 575**
Survey Date: 2024-02-29 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9000	Yes

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Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
V####	Material is visually identified to be identical to S####
V0000	Known non hazardous material
V9000	Material visually identified as a Hazardous Material
V9500	Material is presumed to be a hazardous material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage
LF	Linear feet

Other	
A	Access
V	Visible
AP	Air Plenum
F	Friable material
NF	Non Friable material
PF	Potentially Friable material
Pb	Lead
Hg	Mercury
As	Arsenic
Cr	Chromium

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.

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APPENDIX VII
Photographs

V0001 (None), Grey duct mastic, Visual Arts, Drama, Music (Location #: 16)

S0002A (None), Red fireproofing mastic on electrical conduit, 1F Electrical, General Storage, Custodial (Location #: 8)

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V0005 (None), Grey exterior caulking (Location #: 22)

V0005 (None), Grey exterior caulking (Location #: 22)

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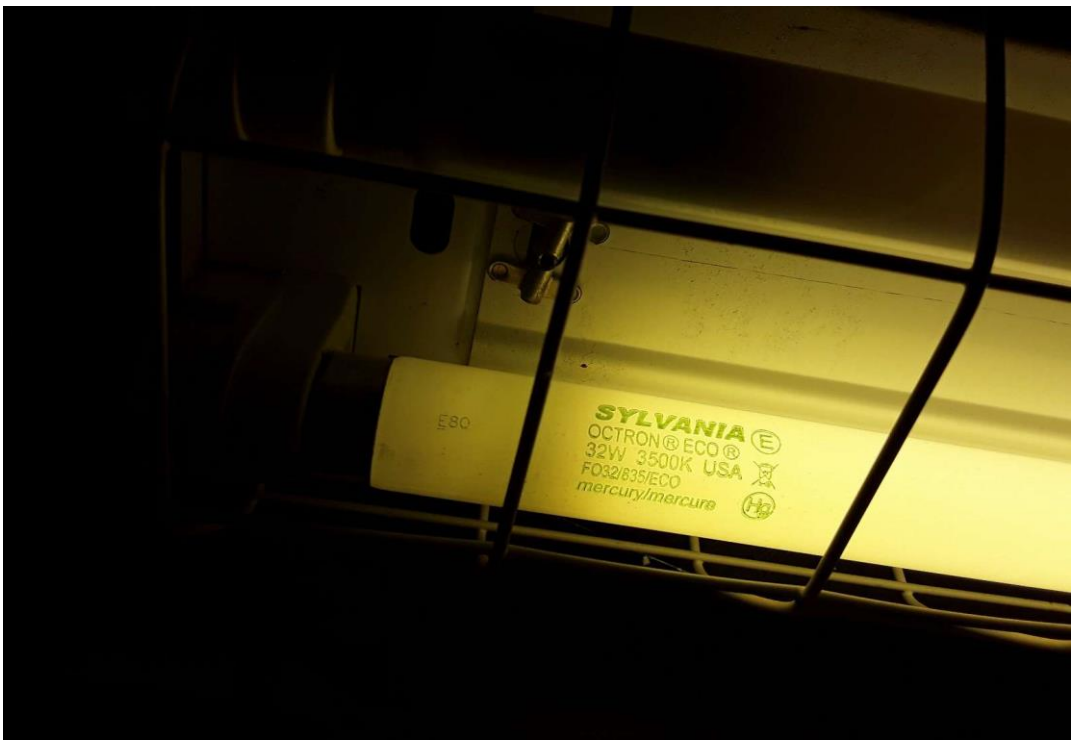
V0000 (None), Grey Silicone Caulking, Caretaker's Office & Mechanical Room (Location #: 15)
Pipe penetrations



Mercury, V9000(Yes), LIGHT FIXTURE, 2 bulb, Caretaker's Office & Mechanical Room (Location #: 15)

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ASBESTOS SURVEY,
Cunard Junior High School

121 Williams Lake Road
Halifax, NS
B3P 1T6

Prepared by:

Maritime Testing (1985) Limited
116-900 Windmill Rd
Dartmouth, N.S.

Prepared for:

Halifax Regional School Board
90 Alderney Dr., 3rd floor
Dartmouth, N.S.
B2Y 4S8

March 9, 1999

NEO-1256.81

INTRODUCTION

The Halifax Regional School Board has undertaken a mandate to conduct asbestos inventories in each of the schools in the School Board region. Maritime Testing (1985) Limited (MTL) was retained by the Board to conduct these inventories and prepare the asbestos survey reports. This report on Cunard Junior High School represents one of the schools surveyed as part of this comprehensive inventory.

METHODS

Each school was inspected for building materials that might be composed of asbestos containing minerals (ACMs). Types of materials examined and sampled as needed could include but not necessarily be limited to:

mechanical systems:	insulation on pipes, fittings, boilers, air conveyance systems, structural materials
flooring:	sheet flooring, vinyl tiles
ceilings:	suspended ceilings, rigid ceilings, texture coats
walls:	texture coats, wallboards, plasters
building exterior:	wall panels, panels under entrances

Please note the following limitations regarding these surveys:

1. Sampling and inspection was not conducted if permanent visible damage would result from these activities. In such circumstances, inference is made to the potential for ACMs to be present based upon other observations made in the building (for example, holes are not cut into wall cavities to determine if insulated pipe work is present).

2. In each school, every room that was accessible was surveyed. In cases where access to a room was not possible, inference on that room is made based on what was observed throughout the rest of the school.

3. Plaster, unlike many other materials in schools such as floor tiles, ceiling tiles, etc., was originally fabricated on site. Each batch, which typically would be wheel barrow sized, could potentially be a bit different from the next. Asbestos, typically chrysotile, was used as well as other materials (hairs, wood) as a strengthening material and was applied “in shovelfuls” more or less at the discretion of the worker. Samples collected routinely in schools are based upon perceived differences in

texture, age of construction, etc., and may not reflect small differences from one batch to another, particularly since sample sizes are kept small to reduce damage. Accordingly, samples of plaster identified as not containing asbestos may well not be precisely indicative of the overall composition of the plaster in general. As a result, plaster should be assumed to contain asbestos unless a specific sample from the area in question has been analysed and shown to be asbestos free.

All inspections were scheduled such that sampling could be conducted after normal school hours. This school was surveyed on February 9, 1999.

Samples collected at the school were examined under both stereo and polarised light microscopy to determine fibre types and relative percentages of each asbestos mineral if it was present. As well, any ACMs were further categorised into one of three categories as noted below:

Priority 1: materials representing a potential health risk with normal routine building use and which require immediate removal. Such materials may include damaged ceiling tiles, damaged pipe insulation, damaged friable boiler insulation.

Priority 2: materials which do not pose a health risk under normal school usage but which pose a periodic risk to maintenance and custodial staff or which are currently undamaged but which might easily be damaged in the future; these materials require removal during the next suitable time (ie a major school break, next planned renovation project). Such materials may include undamaged ceiling tiles, damaged pipe insulation above ceilings, undamaged texture coats.

Priority 3: Non-friable materials or materials that are in good condition, are not generally accessible, and which currently pose no risk to any occupant. Such materials may include floor tiles, transite panels, mechanical insulation in good repair.

Refer to Appendix A for a summary of the Priorities of the ACMs.

Data are also available on an asbestos inventory data base, accessible from the school board offices prepared specifically by MTL for this project.

For a list of materials sampled, refer to Appendix B. Refer to Appendix C for a diagram of the school floor plan and sample locations. For a list of locations and quantities of asbestos containing materials, refer to Appendix D. Refer to Appendix E for a room by room account of ACM's. Refer to Appendix F for photos of Priority 1 ACMs.

INVENTORY RESULTS.

Boiler Room: The boiler is encased in steel with fibreglass insulation underneath. Each side of the boiler has asbestos cement (55% chrysotile) around the diameter of the 4" hole. The cement is in good condition and a Priority 3. None of the other materials in the boiler room contain asbestos.

Exterior: The overhangs at the entrances at the front and left sides of the school have transite (35% chrysotile) panels, is in good condition and a Priority 3. No other materials on the exterior contain asbestos.

Floors: Floors are covered with a combination of various coloured 9" and 12" tiles. The floor tiles contain 10% chrysotile asbestos. The tiles are in good condition and a Priority 3. None of the other floor coverings contain asbestos.

Walls: None of the wall materials contain asbestos.

Ceilings: In various washrooms throughout the school are 4'x8' transite panels on the ceiling. The panel is in good condition and a Priority 2. None of the other ceiling materials in this school contain asbestos.

Pipe Systems: The pipes throughout the school are insulated with fibreglass on the runs and asbestos cement (60% chrysotile) on the elbows. Asbestos cement on elbows above the ceiling are a Priority 3 and below the ceiling are a Priority 2. None of the other pipe material contain asbestos.

Appendix A:

Summary: The following is a summary of Priorities of the various ACMs at this school:

Priority 1:	• none
Priority 2:	• throughout the school, transite ceiling panel
	• throughout the school, insulation on pipe runs below the ceiling
Priority 3:	• boiler room, cement around 4" hole on sides of boiler
	• throughout the school, insulation on pipe runs above the ceiling
	• throughout the school, asbestos floor tiles
	• exterior, transite panels on overhangs

Appendix B:

Samples taken and locations

#	Sample description	Location	ACM
	Boiler Room		
81.6	boiler gasket	boiler room	no
81.7	insulation on boiler exhaust	boiler room	no
81.8	cement on sides of boiler	boiler room	yes
81.9	insulation on pipe elbow	boiler room	no
81.10	plaster ceiling	boiler room	no
	Exterior		
81.34	Panelling on overhangs	front and left entrance of building	yes
	Floors		
81.1	9" tile, off-white with khaki streaks	Library	yes
81.5	9" tile, medium beige with brown streaks	Library	yes
81.11	9" tile, pale green with green streaks	Room 107	yes
81.16	12" tile, light beige with khaki specks	Room 109	no
81.17	9" tile, light green with green streaks	Room 100	yes
81.20	9" tile, medium beige with indian red and white streaks	Gymnasium	no
81.21	9" tile, off-white with khaki streaks	Gymnasium	no
81.22	9" tile, light brown with dark brown streaks	Hallway (1st level)	yes
81.23	9" tile, off-white with brown streaks	Hallway (1st level)	yes
81.25	12" tile, off-white with black brown streaks	Room 206	no
81.26	12" tile, light beige marble	Room 207	no
81.27	12" tile, off-white with black specks	Room 208	no
81.28	12" tile, light beige marble	Room 204	no
81.29	12" tile, white with black streaks	Room 211	no

Appendix B:

Samples taken and locations			
#	**Sample description**	**Location**	**ACM**
81.30	12" tile, beige with indian red streaks	Gymnasium	no
	Ceilings		
81.1	2'x4' suspended tile	Library	no
81.2	2'x4' suspended tile	Library	no
81.3	2'x4' suspended tile	Library	no
81.12	4'x8' transite panel	Room 207	yes
81.18	2'x4' suspended tile	Room 100	no
81.24	2'x2' suspended tile	Main entrance	no
	Pipes		
81.15	insulation on pipe elbow	Room 108	yes
81.19	insulation on pipe elbow	Room 100 B	yes
81.31	insulation on pipe elbow	Room 200 B	yes

Appendix D:

Quantity and locations of ACMs.

Boiler Room

Description	Locations	Quantity
cement around 4" hole on side of boiler	boiler room	3

Exterior

Description	Locations	Quantity(ft^2)
transite panel	overhangs on front and left of building	256

Floors

Description	Locations	Quantity ($ft.^2$)
9" tile, light brown with dark brown streaks	Room 200	114
9" tile, light brown with dark brown streaks	Hallway (1st level)	270
9" tile, light brown with dark brown streaks	Room 200 A	50
9" tile, light green with green streaks	Room 100	80
9" tile, light green with green streaks	Room 100 washroom	30
9" tile, light green with green streaks	Room 200	102
9" tile, light green with green streaks	Principal's office	45
9" tile, light green with green streaks	Vice principal's office	45
9" tile, light green with green streaks	Gymnasium	50
9" tile, light green with green	Room 203	662

Floors

Description	Locations	Quantity (ft.^{2})
streaks		
9" tile, light green with green streaks	Hallway (1st level)	123
9" tile, light green with green streaks	Room 210	108
9" tile, medium beige with brown streaks	Room 109	155
9" tile, medium beige with brown streaks	Room 108	108
9" tile, medium beige with brown streaks	Room 101	672
9" tile, medium beige with brown streaks	Gymnasium	3500
9" tile, medium beige with brown streaks	Room 102	672
9" tile, medium beige with brown streaks	Room 214 A	144
9" tile, medium beige with brown streaks	Room 114 A	240
9" tile, medium beige with brown streaks	Room 114 C	240
9" tile, medium beige with brown streaks	Room 106	672
9" tile, medium beige with brown streaks	Room 105	672
9" tile, medium beige with brown streaks	Library	576
9" tile, medium beige with brown streaks	Hallway (2nd level)	373
9" tile, medium beige with brown streaks	Hallway (1st level)	373
9" tile, off-white with khaki streaks	Room 209	140

Floors

Description	Locations	Quantity (ft.^{2})
9" tile, off-white with kaki streaks	Room 205	672
9" tile, off-white with kaki streaks	Room 201	288
9" tile, off-white with kaki streaks	Room 215	240
9" tile, off-white with kaki streaks	Room 212	846
9" tile, off-white with kaki streaks	Room 213	800
9" tile, off-white with kaki streaks	Room 113 B	40
9" tile, off-white with kaki streaks	Room 113	1000
9" tile, off-white with kaki streaks	Room 112	100
9" tile, off-white with khaki streaks	Stage	40
9" tile, off-white with kaki streaks	Principal's office	123
9" tile, off-white with kaki streaks	Room 100	160
9" tile, off-white with kaki streaks	Room 111	300
9" tile, off-white with kaki streaks	Room 110	300
9" tile, off-white with kaki streaks	Room 108	108
9" tile, off-white with kaki streaks	Room 103	672
9" tile, off-white with khaki streaks	Room 104	672
9" tile, off-white with brown streaks	Hallway (1st level)	774
9" tile, off-white with khaki streaks	Library	288
9" tile, off-white with brown streaks	Room 200	114
9" tile, off-white with brown streaks	Room 202	60
9" tile, off-white with brown streaks	Room 200 A	50
9" tile, off-white with brown streaks	Room 211	140

Floors

Description	Locations	Quantity (ft.²)
9" tile, pale green with green streaks	Room 107	160

Walls
No ACM's

Ceilings

Description	Locations	Quantity (ft.²)
4'x8' transite panel	Room 107	160
4'x8' transite panel	Room 109	160
4'x8' transite panel	Room 110	300
4'x8' transite panel	Room 111	300
4'x8' transite panel	Room 209	60
4'x8' transite panel	Room 211	60

Pipes

Description	Locations	Quantity (ft.²)
insulation on pipe run below ceiling	Room 108	11
insulation on pipe run below ceiling	Room 200 B	5
insulation on pipe run above ceiling	Room 100 B	4
insulation on pipe run above ceiling	Room 100	1
insulation on pipe run above ceiling	Hallway (1st level)	2

Miscellaneous
No ACM's

Appendix E:

ACM's Room by Room (for quantities refer to Appendix D).

Room	ACMs
Boiler Room	cement on 4" hole on sides of boiler
Gymnasium	9" floor tile, medium beige with brown streaks, 9" floor tile, light green with green streaks
Library	9" floor tile, off-white with kaki streaks, 9" floor tile, mediuj beige with brown streaks
Principal's office	9" floor tile, off-white with khaki streaks, 9" floor tile, light green with green streaks
Stage	9" floor tile, off-white with khaki streaks
Vice principal's office	9" floor tile, light green with green streaks
Hallway (2nd level)	9" floor tile, medium beige with brown streaks
Hallway (1st level)	9" floor tile, medium beige with brown streaks, 9" floor tile, off-white with brown streaks, 9" floor tile, light brown with dark brown streaks, 9" floor tile, light green with green streaks, insulation on pipe run above ceiling
Room 100 washroom	9" floor tile, light green with green streaks
Room 100 B	insulation on pipe run above ceiling
Room 100	9" floor tile, off-white with kaki streaks, 9" floor tile, light green with green streaks, insulation on pipe run above ceiling
Room 101	9" floor tile, mediuj beige with brown streaks
Room 102	9" floor tile, mediuj beige with brown streaks
Room 103	9" floor tile, off-white with khaki streaks
Room 104	9" floor tile, off-white with khaki streaks
Room 105	9" floor tile, medium beige with brown streaks
Room 106	9" floor tile, medium beige with brown streaks
Room 107	9" floor tile, pale green with green streaks, 4'x8' transite panel
Room 108	9" floor tile, medium beige with brown streaks, 9" floor tile, off-white with khaki, insulation on pipe run below ceiling streaks
Room 109	9" floor tile, medium beige with brown streaks, 4'x8' transite

ACM's Room by Room (for quantities refer to Appendix D).

Room	ACMs
	panel
Room 110	9" floor tile, off-white with khaki streaks, 4'x8' transite panel
Room 111	9" floor tile, off-white with kaki streaks, 4'x8' transite panel
Room 112	9" floor tile, off-white with kaki streaks
Room 113	9" floor tile, off-white with kaki streaks
Room 113 B	9" floor tile, off-white with khaki streaks
Room 114 A	9" floor tile, medium beige with brown streaks
Room 114 C	9" floor tile, medium beige with brown streaks
Room 200	9" floor tile, light brown with dark brown streaks, 9" floor tile, light green with green streaks, 9" floor tile, off-white with brown streaks
Room 200 A	9" floor tile, light brown with dark brown streaks, 9" floor tile, off-white with brown streaks
Room 200 B	insulation on pipe run below ceiling
Room 201	9" floor tile, off-white with kaki streaks
Room 202	9" floor tile, off-white with brown streaks
Room 203	9" floor tile, light green with green streaks
Room 205	9" floor tile, off-white with khaki streaks
Room 209	9" floor tile, off-white with khaki streaks, 4'x8' transite panel
Room 210	9" floor tile, light green with green streaks
Room 211	9" floor tile, off-white with brown streaks, 4'x8' transite panel
Room 212	9" floor tile, off-white with khaki streaks
Room 213	9" floor tile, off-white with khaki streaks
Room 214 A	9" floor tile, medium beige with brown streaks
Room 215	9" floor tile, off-white with khaki streaks

Appendix F: There are no Priority 1's in this school.

ASBESTOS SURVEY,
Astral Drive Elementary School

236 Astral Drive
Dartmouth, N.S.

Prepared by:

Maritime Testing (1985) Limited
116-900 Windmill Rd
Dartmouth, N.S.

Prepared for:

Halifax Regional School Board
90 Alderney Dr., 3rd floor
Dartmouth, N.S.
B2Y 4S8

December 29, 1998

NEO-1256.8

INTRODUCTION

The Halifax Regional School Board has undertaken a mandate to conduct asbestos inventories in each of the schools in the School Board region. Maritime Testing (1985) Limited (MTL) was retained by the Board to conduct these inventories and prepare the asbestos survey reports. This report on Astral Drive Elementary School represents one of the schools surveyed as part of this comprehensive inventory.

METHODS

Each school was inspected for building materials that might be composed of asbestos containing minerals (ACMs). Types of materials examined and sampled as needed could include but not necessarily be limited to:

mechanical systems:	insulation on pipes, fittings, boilers, air conveyance systems, structural materials
flooring:	sheet flooring, vinyl tiles
ceilings:	suspended ceilings, rigid ceilings, texture coats
walls:	texture coats, wallboards, plasters
building exterior:	wall panels, panels under entrances

Please note the following limitations regarding these surveys:

1. Sampling and inspection was not conducted if permanent visible damage would result from these activities. In such circumstances, inference is made to the potential for ACMs to be present based upon other observations made in the building (for example, holes are not cut into wall cavities to determine if insulated pipe work is present).

2. In each school, every room that was accessible was surveyed. In cases where access to a room was not possible, inference on that room is made based on what was observed throughout the rest of the school.

All inspections were scheduled such that sampling could be conducted after normal school hours. This school was surveyed on December 17, 1998.

Samples collected at the school were examined under both stereo and polarised light microscopy to determine fibre types and relative percentages of each asbestos mineral if it was present. As well, any ACMs were further categorised into one of three categories

as noted below:

Priority 1: materials representing a potential health risk with normal routine building use and which require immediate removal. Such materials may include damaged ceiling tiles, damaged pipe insulation, damaged friable boiler insulation.

Priority 2: materials which do not pose a health risk under normal school usage but which pose a periodic risk to maintenance and custodial staff or which are currently undamaged but which might easily be damaged in the future; these materials require removal during the next suitable time (ie a major school break, next planned renovation project). Such materials may include undamaged ceiling tiles, damaged pipe insulation above ceilings, undamaged texture coats.

Priority 3: Non-friable materials or materials that are in good condition, are not generally accessible, and which currently pose no risk to any occupant. Such materials may include floor tiles, transite panels, mechanical insulation in good repair.

Refer to Appendix A for a summary of the Priorities of the ACMs.

All data are also available on an asbestos inventory data base accessible from the school board offices prepared specifically by MTL for this project.

For a list of materials sampled, refer to Appendix B. Refer to Appendix C for a diagram of the school floor plan and sample locations. For a list of locations and quantities of asbestos containing materials, refer to Appendix D. Refer to Appendix E for a room by room account of ACM's. Refer to Appendix F for photos of Priority 1 ACMs.

INVENTORY RESULTS.

This building was constructed in 1985.

Boiler Room: The two boilers are the same. Both are encased in steel with fibreglass insulation underneath. The boiler gaskets do not contain asbestos. The insulation on the exhausts and breeching do not contain asbestos. All pipes throughout the boiler room are insulated with fibreglass on both the runs and elbows. Any insulation on the duct work is fibreglass.
The floor of the boiler room (and adjacent Electrical and Garbage Rooms) is concrete. The walls are concrete block and the ceiling is gyproc.

Exterior: No materials on the exterior contain asbestos.

Floors: None of the floor coverings in this school contain asbestos.

Walls: None of the walls in this school contain asbestos.

Ceilings: None of the ceiling materials in this school contain asbestos.

Pipe Systems: No pipe insulation in this school contains asbestos.

Appendix A:

Summary: The following is a summary of Priority of the various ACMs at this school:

Priority 1: none

Priority 2: none

Priority 3: none

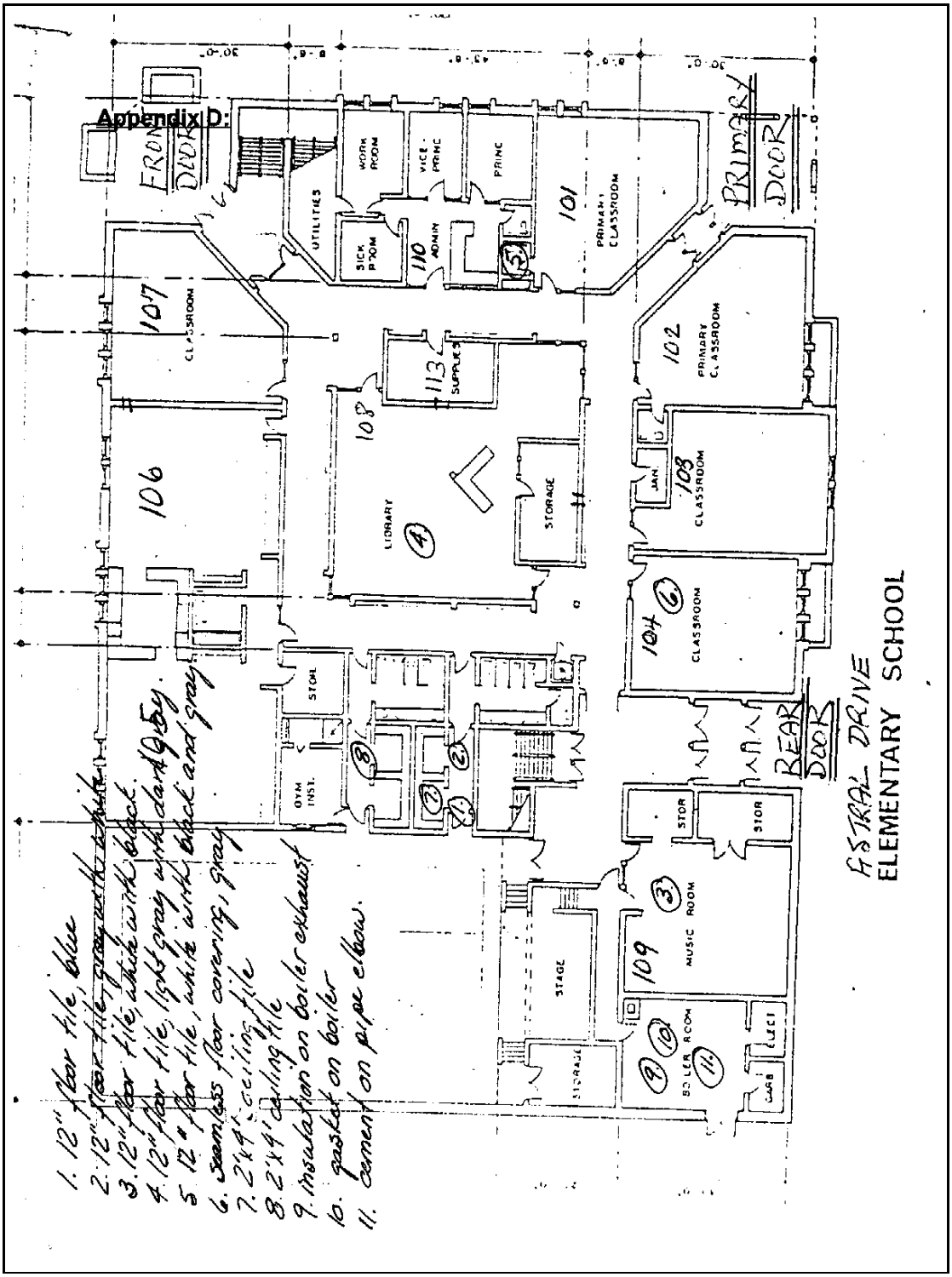
Appendix B:

Samples taken and locations

Sample description	Location	ACM
12" floor tile, blue	entrance to Boys Locker Room	no
12" floor tile, gray with white	inside boys locker room	no
12" floor tile, white with black	Room 109	no
12" floor tile, light gray with dark gray	Library	no
12" floor tile, white with black and gray fleck	Washroom in Room 101	no
seamless floor covering, gray	Room 104	no
2'x4' suspended ceiling tile	Boys Locker Room	no
2'x4' suspended ceiling tile	Girls Locker Room	no
insulation on boiler exhaust	Boiler Room	no
gasket on boiler	Boiler Room	no
cement on pipe elbow	water line entrance before meter	no

Appendix C: Floor plan and Sample locations (1st. floor only)

Appendix D:


ASTRAL DRIVE
ELEMENTARY SCHOOL
FRONT DOOR
PRIMARY DOOR
REAR DOOR
1. 12" floor tile, blue
2. 12" floor tile, gray with white chips
3. 12" floor tile, white with black
4. 12" floor tile, light gray with dark gray
5. 12" floor tile, white with black and gray
6. Seamless floor covering, gray
7. 2'x4' ceiling tile
8. 2'x4' ceiling tile
9. Insulation on boiler exhaust
10. gasket on boiler
11. cement on pipe elbow.
UTILITIES
WORK ROOM
VICE-PRINC
PRINC
SICK RM
ADMIN
PRIMARY CLASSROOM
CLASSROOM
SUPPLIES
LIBRARY
STORAGE
JAN
STOR
GYM INST.
STAGE
MUSIC ROOM
BOILER ROOM
ELEC
LAB

Appendix D, E and F:

No ACMs exist in the school.

ASBESTOS SURVEY,
John MacNeil School

62 Leaman Drive,
Dartmouth, N.S., B3A 2K9

Prepared by:

Maritime Testing (1985) Limited
116-900 Windmill Rd
Dartmouth, N.S.

Prepared for:

Halifax Regional School Board
90 Alderney Dr., 3rd floor
Dartmouth, N.S.
B2Y 4S8

February 11, 1999

NEO-1256.29

INTRODUCTION

The Halifax Regional School Board has undertaken a mandate to conduct asbestos inventories in each of the schools in the School Board region. Maritime Testing (1985) Limited (MTL) was retained by the Board to conduct these inventories and prepare the asbestos survey reports. This report on John MacNeil School represents one of the schools surveyed as part of this comprehensive inventory.

METHODS

Each school was inspected for building materials that might be composed of asbestos containing minerals (ACMs). Types of materials examined and sampled as needed could include but not necessarily be limited to:

mechanical systems:	insulation on pipes, fittings, boilers, air conveyance systems, structural materials
flooring:	sheet flooring, vinyl tiles
ceilings:	suspended ceilings, rigid ceilings, texture coats
walls:	texture coats, wallboards, plasters
building exterior:	wall panels, panels under entrances

Please note the following limitations regarding these surveys:

1. Sampling and inspection was not conducted if permanent visible damage would result from these activities. In such circumstances, inference is made to the potential for ACMs to be present based upon other observations made in the building (for example, holes are not cut into wall cavities to determine if insulated pipe work is present).

2. In each school, every room that was accessible was surveyed. In cases where access to a room was not possible, inference on that room is made based on what was observed throughout the rest of the school.

All inspections were scheduled such that sampling could be conducted after normal school hours. This school was surveyed on January 12, 1999.

Samples collected at the school were examined under both stereo and polarised light microscopy to determine fibre types and relative percentages of each asbestos mineral if it was present. As well, any ACMs were further categorised into one of three categories as

noted below:

Priority 1: materials representing a potential health risk with normal routine building use and which require immediate removal. Such materials may include damaged ceiling tiles, damaged pipe insulation, damaged friable boiler insulation.

Priority 2: materials which do not pose a health risk under normal school usage but which pose a periodic risk to maintenance and custodial staff or which are currently undamaged but which might easily be damaged in the future; these materials require removal during the next suitable time (ie a major school break, next planned renovation project). Such materials may include undamaged ceiling tiles, damaged pipe insulation above ceilings, undamaged texture coats.

Priority 3: Non-friable materials or materials that are in good condition, are not generally accessible, and which currently pose no risk to any occupant. Such materials may include floor tiles, transite panels, mechanical insulation in good repair.

Refer to Appendix A for a summary of the Priorities of the ACMs.

Data are also available on an asbestos inventory data base, accessible from the school board offices prepared specifically by MTL for this project.

For a list of materials sampled, refer to Appendix B. Refer to Appendix C for a diagram of the school floor plan and sample locations. For a list of locations and quantities of asbestos containing materials, refer to Appendix D. Refer to Appendix E for a room by room account of ACM's. Refer to Appendix F for photos of Priority 1 ACMs.

INVENTORY RESULTS.

Boiler Room: The two boilers in the boiler room are encased in steel with fibreglass insulation underneath. The insulation on the exhaust and breeching contains 50% chrysotile asbestos, is in good condition and a Priority 3. All pipes throughout the boiler room are insulated with fibreglass on the runs and asbestos cement (50% chrysotile) on the elbows. The cement on the elbows is in good condition and a Priority 3. None of the other materials in the Boiler Room contain asbestos.

Exterior: No materials on the exterior contain asbestos.

Floors: Floors are covered with a combination of various coloured 12" tiles. Assorted tiles

throughout the school contain 10% chrysotile asbestos, are in good condition and a Priority 3.

Walls: None of the wall materials in this school contain asbestos.

Ceilings: None of the ceiling materials in this school contain asbestos.

Pipe Systems: The pipes throughout the school are insulated with fibreglass on the runs and asbestos cement (50% chrysotile) on the elbows. The cement on the elbows above the ceiling are a Priority 3 and below the ceiling are a Priority 2.

Appendix A:

Summary: The following is a summary of Priorities of the various ACMs at this school:

Priority 1:	• none
Priority 2:	• asbestos cement on pipe elbows below the ceiling
Priority 3:	• Boiler Room, asbestos cement on boiler exhaust and breeching
	• throughout Boiler Room, asbestos cement on pipe elbows
	• throughout school, asbestos floor tiles
	• throughout school, asbestos cement on pipe elbows

Appendix B:

Samples taken and locations			
#	**Sample description**	**Location**	**ACM**
	Boiler Room		
29.1	asbestos cement on exhaust	exhaust from both boilers	yes
29.2	insulation on breeching	joining boiler exhausts	yes
29.3	gasket from boiler	Boiler #1	no
29.4	cement on pipe elbow	Heating Return Line	yes
	Exterior		
	No samples taken from exterior.		
	Floors		
29.5	12" tile, dark gray with white streaks	Janitor's Room	yes
29.6	12" tile, beige with dark beige streaks	Janitor's Room	yes
29.10	12" tile, gray marble	Principal's Office	no
29.13	12" tile, pale green marble	Hallway	no
29.15	12" tile, beige with beige and white streaks	Gym Equipment Room	yes
29.16	12" tile, pale yellow with yellow, blue and brown streaks	Gym	yes
	Walls		
	No samples taken from school walls.		
	Ceilings		
29.9	2'x4' suspended tile	Mrs. Clarke Room	no
29.11	2'x4' suspended tile	Resource Room	no
29.12	2'x4' suspended tile	Resource Room	no
	Pipes		
29.7	insulation on pipe elbow	Girls Washroom	yes
29.8	cement on pipe runs	pipe chase in Boys Washroom	yes

Appendix D:

Quantity and locations of ACMs.

Boiler Room

Description	Locations	Quantity
boiler exhaust	exhaust from both boilers	30'x1.5 ft. dia.
exhaust breeching	joining both boiler exhaust	10'x3'x2'
cement on pipe elbows	throughout Boiler Room	29

Exterior

No ACMs on exterior.

Floors

Description	Locations	Quantity ($ft.^2$)
12" tile, dark gray with white streaks	Mrs. Chauvin's Class	60
12" tile, dark gray with white streaks	Mrs. Kinch	60
12" tile, dark gray with white streaks	Mrs. Quinta	60
12" tile, dark gray with white streaks	Mrs. Moors	60
12" tile, dark gray with white streaks	Ms. Payne	60
12" tile, dark gray with white streaks	Ms. Murray	60
12" tile, dark gray with white streaks	Janitor's Room	54
12" tile, dark gray with white streaks	Staff Room	88
12" tile, dark gray with white streaks	Mrs. Kirby	60
12" tile, dark gray with white streaks	Mrs. White	60
12" tile, dark gray with white streaks	Resource Room	60
12" tile, dark gray with white streaks	Mrs. Connache	60
12" tile, dark gray with white streaks	Mrs. Beeler	60
12" tile, dark gray with white streaks	Mrs. Clarke	60
12" tile, dark gray with white streaks	Mr. Martin	60
12" tile, dark gray with white streaks	Mr MacDonnell	60

Floors

Description	Locations	Quantity (ft.^{2})
12" tile, dark gray with white streaks	Janitor's Room by Gymnasium	52
12" tile, dark gray with white streaks	ESL Room	220
12" tile, dark gray with white streaks	Gymnasium	300
12" tile, dark gray with white streaks	Lamination Room	51
12" tile, dark gray with white streaks	Vice Principal Room	30
12" tile, dark gray with white streaks	Hallway	552
12" tile, beige with dark beige streaks	Janitor's Room	38
12" tile, beige with dark beige streaks	Staff Room	504
12" tile, beige with dark beige streaks	Mrs. Kirby	660
12" tile, beige with dark beige streaks	Mrs. White	660
12" tile, beige with dark beige streaks	Resource Room	150
12" tile, beige with dark beige streaks	Mrs. Connache	660
12" tile, beige with dark beige streaks	Mrs. Beeler	660
12" tile, beige with dark beige streaks	Mrs. Clarke	660
12" tile, beige with dark beige streaks	Mr. Martin	660
12" tile, beige with dark beige streaks	Mr MacDonnell	660
12" tile, beige with dark beige streaks	Janitor's Room by Gymnasium	38
12" tile, beige with dark beige streaks	Mrs. Chauvin's Class	660
12" tile, beige with dark beige streaks	Mrs. Kinch	660
12" tile, beige with dark beige streaks	Mrs. Quinta	660
12" tile, beige with dark beige streaks	Mrs. Moors	660
12" tile, beige with dark beige streaks	Ms. Payne	660
12" tile, beige with dark beige streaks	Ms. Murray	660
12" tile, beige with dark beige streaks	Gymnasium	2928
12" tile, beige with dark beige streaks	Lamination Room off of Gym	177

Floors

Description	Locations	Quantity (ft.^{2})
12" tile, beige with dark beige streaks	Vice Principal's Office	70
12" tile, beige with dark beige streaks	Hallway	2156
12" tile, beige with beige and white streaks	Gymnasium equipment room	165
12" tile, pale yellow with yellow, blue and brown streaks	Gymnasium	300

Walls

No ACM wall materials in this school.

Ceilings

No ACM ceiling materials in this school.

Pipes

Description	Locations	Quantity
asbestos cement on pipe elbows below ceiling	Pipe Chase in Boys Washroom	10
asbestos cement on pipe run	Pipe Chase in Boys Washroom	5
asbestos cement on pipe elbows below ceiling	Girls Washroom	2
asbestos cement on pipe elbows below ceiling	Primary and Grade 2 Girls washroom	2
asbestos cement on pipe elbows below ceiling	Staff Room	2
asbestos cement on pipe elbows below ceiling	Mrs. Kirby	4
asbestos cement on pipe elbows below ceiling	Resource Room	1
asbestos cement on pipe elbows below ceiling	Girls Washroom to Gym	1
asbestos cement on pipe elbows below ceiling	Janitor's Room by Gymnasium	1
asbestos cement on pipe elbows below ceiling	Janitor's Room by Gym pipe chase	15
asbestos cement on pipe elbows below ceiling	ESL Room	3
asbestos cement on pipe elbows below ceiling	Gymnasium	8
asbestos cement on pipe elbows below ceiling	Lamination Room by Gym	4
asbestos cement on pipe elbows below ceiling	Gym Equipment Room	2

Pipes

Description	Locations	Quantity
asbestos cement on pipe elbows below ceiling	Principals Office	4
asbestos cement on pipe elbows below ceiling	Vice Principals Office	2
asbestos cement on pipe elbows above ceiling	Mrs. Chauvin's Class	2
asbestos cement on pipe elbows above ceiling	Mrs. Kinch	4
asbestos cement on pipe elbows above ceiling	Mrs. Quinta	4
asbestos cement on pipe elbows above ceiling	Hallway	43
asbestos cement on pipe elbows above ceiling	Mrs. Moors	4
asbestos cement on pipe elbows above ceiling	Ms. Payne	2
asbestos cement on pipe elbows above ceiling	Ms. Murray	2
asbestos cement on pipe elbows above ceiling	Library	4
asbestos cement on pipe elbows above ceiling	Boys Washroom	2
asbestos cement on pipe elbows above ceiling	Girls Washroom	2
asbestos cement on pipe elbows above ceiling	Staff Room	8
asbestos cement on pipe elbows above ceiling	Mrs. Kirby	10
asbestos cement on pipe elbows above ceiling	Mrs. White	4
asbestos cement on pipe elbows above ceiling	Resource Room	2
asbestos cement on pipe elbows above ceiling	Mrs. Connache	4
asbestos cement on pipe elbows above ceiling	Mrs. Beener	4
asbestos cement on pipe elbows above ceiling	Mrs. Clarke	4
asbestos cement on pipe elbows above ceiling	Mr. Reid	4
asbestos cement on pipe elbows above ceiling	Mr. Martin	4
asbestos cement on pipe elbows above ceiling	Mr MacDonnell	4
asbestos cement on pipe elbows above ceiling	Janitor's Room by Gymnasium	2
asbestos cement on pipe elbows above ceiling	Girls Washroom by Gym	2
asbestos cement on pipe elbows above ceiling	ESL Room	3
asbestos cement on pipe elbows above ceiling	Gymnasium	13
asbestos cement on pipe elbows above ceiling	Lamination Room	12

Pipes

Description	Locations	Quantity
asbestos cement on pipe run	Lamination Room	2 ft
asbestos cement on pipe elbows above ceiling	Equipment Room	4
asbestos cement on pipe elbows above ceiling	Vice Principal Room	5
asbestos cement on pipe elbows above ceiling	Principal Room	11

Appendix E:

ACM's Room by Room

Room	ACMs
Boys Washroom	asbestos cement on pipe elbows above ceiling
ESL Room	12" tile, dark gray with white streaks, asbestos cement on pipe elbows below ceiling, asbestos cement on pipe elbows above ceiling
Girls Washroom to Gym	asbestos cement on pipe elbows below ceiling, asbestos cement on pipe elbows above ceiling
Girls Washroom	asbestos cement on pipe elbows above ceiling, asbestos cement on pipe elbows below ceiling
Gym Equipment Room	12" tile, beige with beige and white streaks, asbestos cement on pipe elbows below ceiling, asbestos cement on pipe elbows above ceiling
Gymnasium	12" tile, pale yellow with yellow, blue and brown streaks, 12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows below ceiling, asbestos cement on pipe elbows above ceiling
Hallway	asbestos cement on pipe elbows above ceiling
Janitor's Room by Gymnasium	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling
Janitor's Room	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks
Janitor's Room by Gym pipe chase	asbestos cement on pipe elbows below ceiling, asbestos cement on pipe elbows below ceiling
Lamination Room	12" tile, dark gray with white streaks, 12" tile, beige with beige and white streaks, asbestos cement on pipe elbows above ceiling, asbestos cement on pipe run, asbestos cement on pipe elbows below ceiling
Library	asbestos cement on pipe elbows above ceiling
Mr MacDonnell	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling
Mr. Martin	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling

Appendix E:

ACM's Room by Room

Room	ACMs
Mr. Reid	asbestos cement on pipe elbows above ceiling
Mrs. Beeler	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling
Mrs. Quinta	12" tile, beige with dark beige streaks
Mrs. Kinch	12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows above ceiling
Mrs. Moors	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling
Mrs. Clarke	12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows above ceiling
Mrs. Connache	12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows above ceiling
Mrs. Kirby	asbestos cement on pipe elbows below ceiling, 12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows above ceiling
Mrs. Chauvin's Class	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling
Mrs. White	12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows above ceiling
Mrs. Quinta	12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling
Mrs. Payne	12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows above ceiling
Mrs. Murray	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows above ceiling
Pipe Chase in Boys Washroom	asbestos cement on pipe run, asbestos cement on pipe elbows below ceiling
Primary and Grade 2 Girls washroom	asbestos cement on pipe elbows below ceiling
Principals Office	asbestos cement on pipe elbows below ceiling, asbestos cement on pipe elbows above ceiling
Resource Room	12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows below ceiling ,

Appendix E:

ACM's Room by Room

Room	ACMs
	asbestos cement on pipe elbows above ceiling
Staff Room	12" tile, beige with dark beige streaks, 12" tile, dark gray with white streaks, asbestos cement on pipe elbows below ceiling, asbestos cement on pipe elbows above ceiling
Vice Principal Room	12" tile, dark gray with white streaks, 12" tile, beige with dark beige streaks, asbestos cement on pipe elbows above ceiling, asbestos cement on pipe elbows below ceiling

Appendix F:

No Priority 1 ACMs.

GENERAL NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER APPLICABLE PLANS, SPECIFICATIONS, AND CONTRACT DOCUMENTS.
2. UNLESS NOTED OTHERWISE, ALL WORK INCLUDING PRODUCTS, EXECUTION, AND TESTING SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL SERVICES CURRENT EDITION (MUNICIPAL SPECIFICATIONS) INCLUDING SECTION 39 00 00 STANDARD DETAILS. WHERE THERE ARE DISCREPANCIES BETWEEN THE MUNICIPAL SPECIFICATIONS AND THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
3. GENERAL NOTES LISTED HERE APPLY TO ALL DRAWINGS. NOTES ON INDIVIDUAL DRAWINGS ARE EQUALLY APPLICABLE TO OTHER DRAWINGS OF SIMILAR OR RELATED WORK.
4. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND APPROVALS NOT SPECIFIED TO BE OBTAINED BY THE OWNER. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PERMITTING REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION PRIOR TO UNDERTAKING THE WORK.
6. ALL EXCAVATED BEDROCK SHALL BE REVIEWED FOR ACID ROCK DRAINAGE POTENTIAL. BEDROCK TO BE HANDLED AND DISPOSED IN ACCORDANCE WITH PROVINCIAL REGULATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES REQUIRED FOR THE PROJECT. ALL TEMPORARY TRAFFIC CONTROL MEASURES TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NOVA SCOTIA DEPARTMENT OF PUBLIC WORKS TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL AND THE LATEST EDITION OF THE TRANSPORTATION ASSOCIATION OF CANADA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA.

SURVEY AND LAYOUT NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING SURVEY CONTROL ON-SITE, AND IS CONDUCTING ASBUILD SURVEY DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL CONFIRM ALL COORDINATES, DIMENSIONS, AND ELEVATIONS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. DIMENSIONS AND ELEVATIONS SHOWN ON THE DRAWINGS ARE IN METRIC UNITS.

GRADING NOTES:

1. ALL GRADING AND EARTHWORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE SITE-SPECIFIC GEOTECHNICAL INVESTIGATION, PREPARED BY OTHERS.
2. FILL PLACEMENT SHALL CONSIST OF APPROVED IMPORTED MATERIALS SUCH AS CLEAR STONE OR GRAVELS. OTHER IMPORTED MATERIALS SUCH AS SELECTED BACKFILL MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INCORPORATION INTO THE WORK.
   a. UNLESS OTHERWISE APPROVED THE ON-SITE EXISTING FILLS SHALL BE USED FOR NON-STRUCTURAL BACKFILL.
4. THE LIFT THICKNESS USED DURING PLACEMENT OF FILLS MUST BE COMPATIBLE WITH THE COMPACTION EQUIPMENT AND THE MATERIAL TYPE TO ENSURE THE SPECIFIED DENSITY THROUGHOUT. THE LIFT THICKNESS SHOULD NOT EXCEED 450 mm FOR MASS FILLING AND 200 mm FOR BACKFILLING OF FOUNDATIONS AND SERVICES. THE MAXIMUM PARTICLE SIZE SHALL BE NO LARGER THAN ⅓ (TWO THIRDS) OF THE LIFT THICKNESS.
5. ALL EARTHWORK (INCLUDING SUBGRADE), TRENCH WORK, PIPE BEDDING, AND SURFACE TREATMENT (INCLUDING GRAVELS, ASPHALT, AND CONCRETE) SHALL BE REVIEWED AND CERTIFIED BY PROJECT GEOTECHNICAL ENGINEER.
6. FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGE OF STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD):
   a. PORTABLE BASE PAD GRAVELS 98%
   b. SUBGRADE (TOP 300mm OF FILL BELOW GRANULAR BASE COURSE) OF DRIVEWAYS, PARKING LOTS, CURB AND GUTTER, AND SIDEWALKS 98%
   c. FILL UNDER LANDSCAPED AREAS 95%

LANDSCAPING NOTES:

7. UNLESS NOTED OTHERWISE ALL LANDSCAPING MATERIALS, CONSTRUCTION, COMMISSIONING AND TESTING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MUNICIPAL SPECIFICATIONS.
8. NEW SOFT LANDSCAPED AREAS TO BE SURFACED WITH 150mm THICKNESS OF TOPSOIL AND HYDROSEED UNLESS NOTED OTHERWISE.
9. UNLESS NOTED OTHERWISE HYDROSEED SHALL INCLUDE A HYDRAULIC EROSION CONTROL AGENT WHICH PROVIDES A MINIMUM COVER FACTOR OF 0.01 WHEN APPLIED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. E.G. FLEXTERRA HP-FGM. CONTRACTOR TO SUBMIT MANUFACTURER DATA SHEET FOR ENGINEER REVIEW AND APPROVAL.
10. DISTURBED AREAS SHALL BE SURFACED AND STABILIZED WITH TOPSOIL AND HYDROSEED AS SOON AS IS PRACTICAL FOLLOWING STRIPPING. UNCONTROLLED SURFACE WATER RUNOFF FROM NON-STABILIZED SOILS IS NOT PERMITTED.
11. IF CLIMACTIC CONDITIONS PRECLUDE THE APPLICATION OF HYDROSEED, SURFACES SHALL BE TEMPORARILY STABILIZED WITH STRAW OR MULCH, OR AS OTHERWISE PERMITTED BY THE EROSION AND SEDIMENT CONTROL PLAN.
12. PRIOR TO CONSTRUCTION COMPLETION, AND/OR UNTIL SURFACES ARE SUFFICIENTLY STABLE FROM GROWTH, ALL LANDSCAPED AREAS SHALL BE PROTECTED FROM DAMAGE BY CONSTRUCTION ACTIVITIES, PEDESTRIANS, AND OTHER MEANS. DAMAGE TO LANDSCAPED AREAS SHALL BE PROMPTLY REPAIRED.

EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR SHALL DEVELOP AND IMPLEMENT THE SITE-SPECIFIC EROSION AND SEDIMENT CONTROL (ESC) PLAN.
2. MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF THE WORK. DO NOT REMOVE ANY MEASURES UNTIL AUTHORIZED BY THE ENGINEER.
3. ALL STAFF AND SUBCONTRACTORS TO BE FAMILIAR WITH THE ESC PLAN, AND/OR LOCATIONS AND MAINTENANCE MEASURES FOR ALL ESC MEASURES. DOCUMENT AND KEEP RECORDS OF ASSOCIATED ESC MAINTENANCE THROUGH THE DURATION OF THE WORK, IF SPECIFIED BY THE PROJECT DOCUMENTS.
4. MAINTAIN PROPER PLACEMENT AND PROTECTION OF STOCKPILE SOILS AND MATERIALS. PLACEMENT OF MATERIALS ON A STREET OR WHERE WIND/WATER COULD TRANSPORT MATERIAL OFF-SITE IS PROHIBITED. STOCKPILES ARE TO BE PROPERLY PLACED AND PROTECTED ON SITE SO MATERIAL WILL NOT BE ERODED TO OFF-SITE AREAS, INCLUDING STORM INLETS.
5. CONTROL MUD TRACKING DURING CONSTRUCTION, BY MEANS OF A WELL-MAINTAINED CONSTRUCTION ENTRANCE/EXIT ON ALL ACCESS LOCATIONS, SUPPLEMENTED WITH PERIODIC STREET SWEEPING AS REQUIRED.

ASPHALT CONCRETE PAVING AND CONCRETE WALKS, CURBS AND GUTTERS:

1. MATERIALS, EXECUTION AND TESTING FOR ASPHALT PAVEMENT SHALL MEET THE REQUIREMENTS OF THE NOVA SCOTIA DEPARTMENT OF PUBLIC WORKS – HIGHWAY CONSTRUCTION AND MAINTENANCE SPECIFICATIONS AND THE MUNICIPAL SPECIFICATIONS.
2. ASPHALT PAVEMENT TYPES SHALL BE MIX TYPE C-HF.
3. ASPHALT PAVEMENT TO BE COMPACTED TO 92% MAXIMUM THEORETICAL DENSITY.

STORM SEWER SYSTEM NOTES:

1. UNLESS NOTED OTHERWISE ALL STORM SEWER SERVICING MATERIALS, CONSTRUCTION, COMMISSIONING AND TESTING SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MUNICIPAL SPECIFICATIONS INCLUDING SECTION 39 00 00 STANDARD DETAILS.
2. NEW STORM SEWER SERVICE PIPE TO BE POLYVINYL CHLORIDE (PVC) SDR35.
3. NEW MANHOLES AND CATCH BASINS TO BE PRECAST CONCRETE WITH FRAMES AND GRATES AS INDICATED.
4. TEST ALL NEW STORM SEWER PIPE AND STRUCTURES USING DEFLECTION TESTING AND CCTV INSPECTION.
5. CONCRETE HEADWALLS SHALL BE SHAW PRECAST 1050H DRIVEWAY HEADWALLS OR APPROVED EQUAL. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL PROPOSED HEADWALLS.
6. ALL RIPRAP EROSION PROTECTION SHOWN AT HEADWALL AND STORM INLETS/OUTLETS SHALL BE C1 CLEARSTONE UNLESS OTHERWISE NOTED.
7. ALL GEOTEXTILE SHALL BE TX-300 NON-WOVEN NEEDLE PUNCHED GEOTEXTILE OR APPROVED EQUAL (HEAVY DUTY): TENSILE STRENGTH 1050N, PUNCTURE STRENGTH 2900N, BURST STRENGTH 2900 kPa, PERMITTIVITY 0.9/s.
8. NEW STORM SEWER TO BE INSULATED WHERE COVER IS LESS THAN 1.2m. INSULATION TO BE 50 mm THICK 1.2 m WIDE HI40 RIGID STYROFOAM (ROAD AND TRAFFIC RATED).
9. ANY FIELD MANHOLE CONNECTIONS (IF REQUIRED) TO BE MADE USING CORE DRILL AND KOR-N-SEAL (SUBJECT TO APPROVAL BY UTILITY AND ENGINEER).
10. NEW STORM SEWER SERVICES TO MAINTAIN 450 mm CLEARANCE TO ALL BURIED UTILITIES, INCLUDING PROPOSED AND EXISTING UTILITIES.

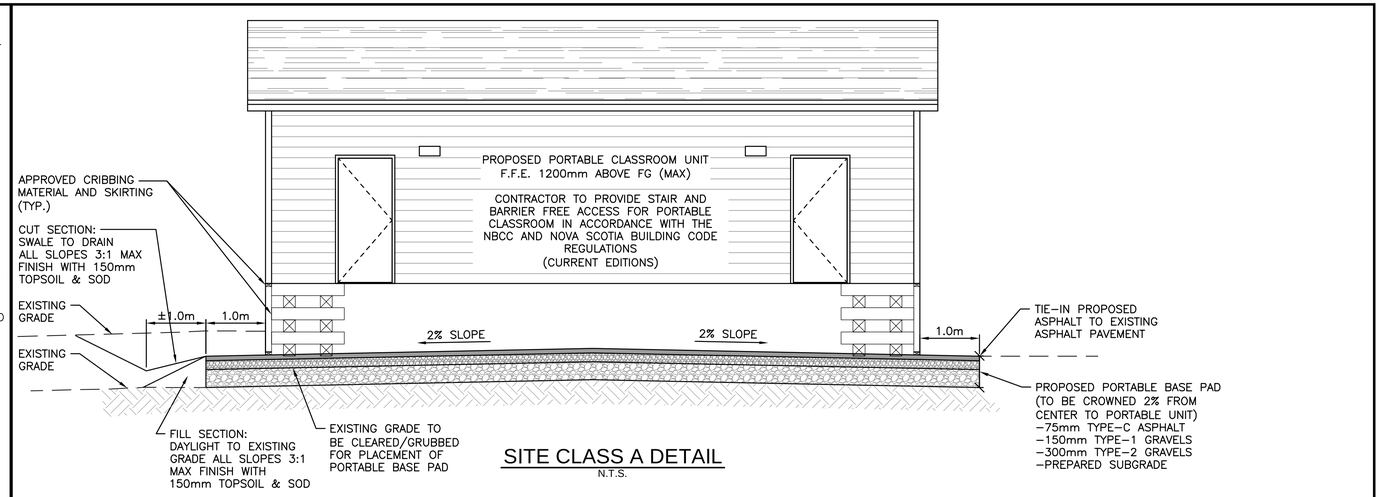
PORTABLE CLASSROOM UNIT NOTES:

1. ON THE FOLLOWING SITE PLANS, EACH PORTABLE CLASSROOM UNIT IS SPECIFIED AS ONE OF THREE SITE CLASSIFICATIONS; A, B OR C.
   a. FOR SITE CLASSIFICATION A, REFER TO DETAIL 01.
   b. FOR SITE CLASSIFICATION B, REFER TO DETAIL 02.
   c. FOR SITE CLASSIFICATION C, REFER TO DETAIL 03.
2. CONTRACTOR TO PROVIDE STAIR AND BARRIER FREE ACCESS FOR PORTABLE CLASSROOM IN ACCORDANCE WITH THE NBCC AND NOVA SCOTIA BUILDING CODE REGULATIONS (CURRENT EDITIONS).

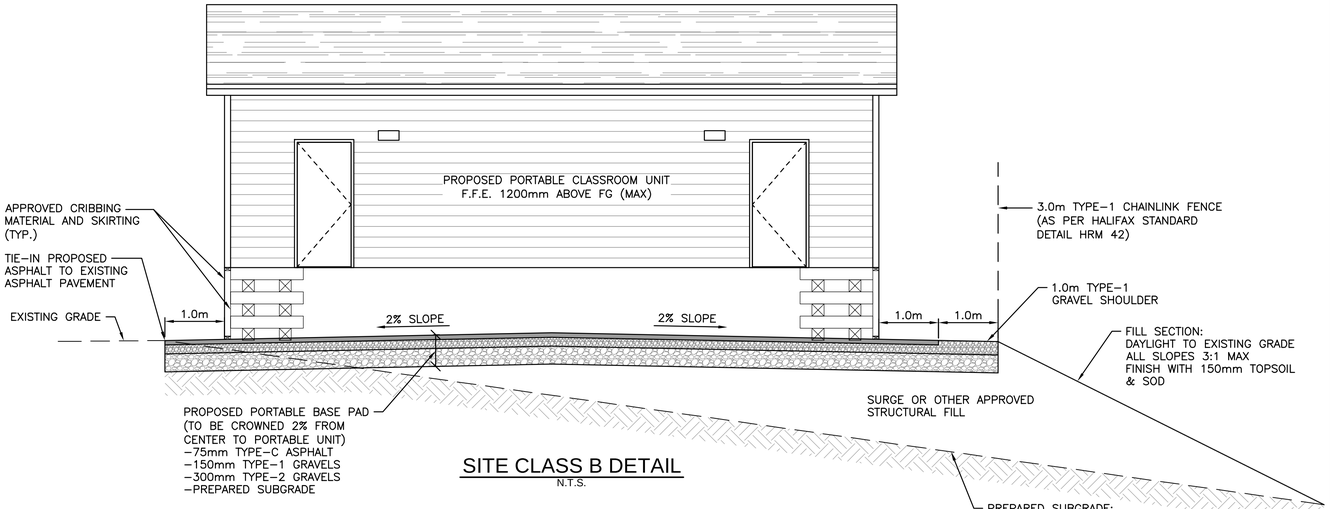
ELECTRICAL NOTES

THE FOLLOWING NOTES APPLY TO EACH SCHOOL SITE WITH A NEW / RELOCATED PORTABLE CLASSROOM UNIT:

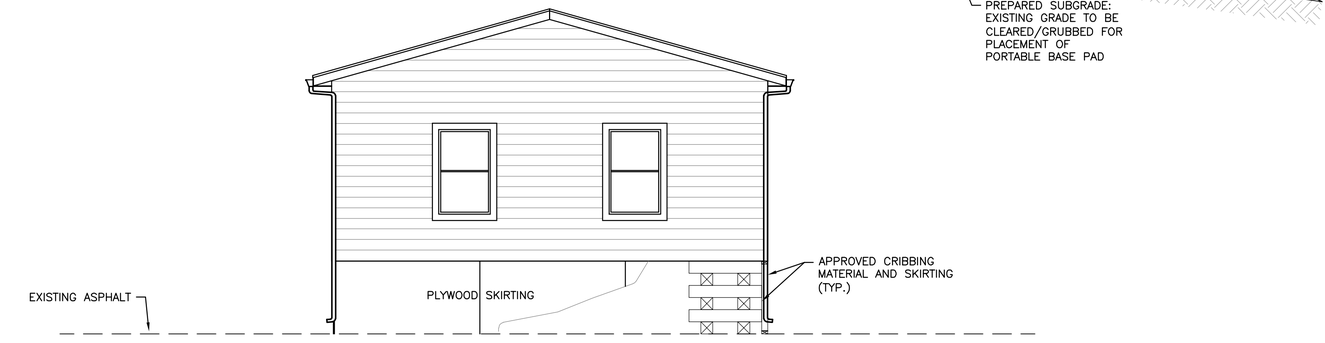
1. THE CONTRACTOR SHALL SUPPLY AND INSTALL A NEW BREAKER AND FEEDER ADEQUATELY SIZED FOR THE PORTABLE FROM THE EXISTING SCHOOLS DISTIRBUTION. THE FEEDER SHALL BE INSTALLED OVERHEAD TO THE PORTABLE. EXACT LENGTH AND ROUTING TO BE DETERMINED DURING THE PRE-BID SITE VISIT.
2. THE CONTRACTOR SHALL EXTEND THE EXISTING BUILDINGS FIRE ALARM ADDRESSABLE LOOP TO THE PORTABLE CLASSROOM OVERHEAD. THE INSTALLATION SHALL MEET THE REQUIREMENTS OF ULC-S524.
3. THE CONTRACTOR SHALL SUPPLY AND INSTALL ONE (1) 27MM CONDUIT FROM THE SCHOOLS SECURITY BOX TO THE EXTERIOR OVERHEAD CROSSING POINT OF THE PORTABLE CLASSROOM. THE CONTRACTOR SHALL COORDINATE EXACT WIRING REQUIREMENTS WITH THE OWNER.
4. THE CONTRACTOR SHALL SUPPLY AND INSTALL ONE (1) 27MM CONDUIT FROM THE SCHOOLS PUBLIC ADDRESS (P/A) SYSTEM TO THE EXTERIOR OVERHEAD CROSSING POINT OF THE PORTABLE CLASSROOM.THE CONTRACTOR SHALL COORDINATE EXACT WIRING REQUIREMENTS WITH THE OWNER.
5. THE CONTRACTOR SHALL SUPPLY AND INSTALL ONE (1) 27MM CONDUIT FROM THE SCHOOLS ACCESS CONTROL BOX TO THE EXTERIOR OVERHEAD CROSSING POINT OF THE PORTABLE CLASSROOM.THE CONTRACTOR SHALL COORDINATE EXACT WIRING REQUIREMENTS WITH THE OWNER.
6. THE CONTRACTOR SHALL SUPPLY AND INSTALL ONE (1) 27MM CONDUIT FROM THE SCHOOLS CCTV TO THE EXTERIOR OVERHEAD CROSSING POINT OF THE PORTABLE CLASSROOM.THE CONTRACTOR SHALL COORDINATE EXACT WIRING REQUIREMENTS WITH THE OWNER.
7. THE CONTRACTOR SHALL INSTALL ALL CONDUITS PARALLEL AND PERPENDICULAR TO BUILDING LINES. INTERIOR CONDUIT SHALL BE EMT AND TRANSITION TO PVC ON EXTERIOR.
8. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A COMPLETE INSTALLATION PROVIDING ANY NECESSARY HARDWARE/ACCESSORIES SUCH AS WEATHER HEADS, MAST, ETC.
9. CONTRACTOR SHALL REMOVE AND REINSTALL THE CEILING AS REQUIRED FOR CONDUIT ROUTING.
10. CONTRACTOR SHALL PERFORM ALL CORE DRILLS, CUTTING, AND PATCHING OF WALLS, FLOORS AND CEILING IN RELATION TO ELECTRICAL WORK.
11. ALL WORK MUST COMPLY WITH ALL CODES AND LOCAL AND PROVINCIAL ORDINANCES. ALL PERMITS, ETC., SHALL BE ARRANGED AND PAID BY THE CONTRACTOR.
12. CONTRACT MATERIALS SHALL BE NEW, OF BEST QUALITY AND C.S.A. APPROVED FOR THEIR SPECIFIC USE.
13. ALL ELECTRICAL SERVICE WIRING IS TO BE TESTED TO ENSURE THERE ARE NO SHORTS OR GROUNDED CONDUCTORS.
14. CONTRACTOR SHALL CONDUCT A PRELIMINARY SITE VISIT AND FAMILIARIZE THEMSELVES WITH THE EXISTING FINISHES, CONSTRUCTION, EQUIPMENT, WIRING, WIRING ARRANGEMENT, ETC., AS TO PRODUCE A COMPLETE, NEAT, AND WORKABLE JOB.
15. ALL EQUIPMENT AND NON-CURRENT CARRYING METAL CONDUITS AND PARTS SHALL BE GROUNDED TO MEET THE REQUIREMENTS OF SECTION 10 OF C.E.C.
16. ANY SHUT-DOWNS REQUIRED SHALL BE CLEARED WITH THE OWNER.
17. ALL EQUIPMENT SHALL BE IDENTIFIED WITH LAMICOID NAME PLATES.
18. PULL BOXES AND JUNCTION BOXES SHALL BE MOUNTED IN AN ACCESSIBLE LOCATION.
19. UPON COMPLETION OF PROJECT, THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND LEAVE THE SITE NEAT AND TIDY.
20. THE CONTRACTOR SHALL GUARANTEE ALL WORK UNDER THIS DIVISION, FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF WORK.
21. CONTRACTOR SHALL MAKE ALL ELECTRICAL PENETRATIONS THROUGH EXTERIOR WALLS OR ROOF WATERPROOF.
22. CONTRACTOR SHALL FIRE RATE ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, AND CEILINGS.
23. MAINTAIN SERVICES TO, AND RECONNECT ALL EQUIPMENT AND APPARATUS TO REMAIN, SHOULD SUCH SERVICES BE DISRUPTED DURING WORK.
24. UPON COMPLETION OF WORK, ALL AFFECTED PANEL DIRECTORIES SHALL BE UPDATED AND TYPE WRITTEN.



SITE CLASS A DETAIL
N.T.S.



SITE CLASS B DETAIL
N.T.S.



SITE CLASS C DETAIL
N.T.S.

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Do not scale dimensions from drawing.

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Halifax Regional Centre for Education

DILLON CONSULTING

No.	ISSUED FOR	DATE	BY
1	ISSUED FOR REVIEW	05/13/2025	RZ

DESIGN: RZ	REVIEWED BY: TC
DRAWN: TR	CHECKED BY: RZ/DP
DATE: APRIL 2025	
SCALE: AS SHOWN	

2025 PORTABLE SITE REVIEW
HALIFAX REGIONAL CENTRE FOR EDUCATION

PROJECT NO. 25-9902

GENERAL NOTES & ELEVATIONS

SHEET NO. 1

HALIFAX
FILENAME: C:\PW_WORKING_DIRECTORY\PROJECTS 2025\DILLON_SOTU\DM309188\1_259902-02_SITE (GENERAL NOTES & ELEVATION).DWG PLOTTED BY: RONDEAU, TAMMY
PLOT DATE: 2025-05-14 @ 12:58:06 PM PLOT SCALE: 1:25 PLOT STYLE: DILLON-STANDARD.CTB

REMOVALS NOTES

1. FOR ALL RELOCATED PORTABLES, CONTRACTOR SHALL COMPLETE THE FOLLOWING:
   - REMOVE PORTABLE UNITS.
   - REMOVE AND DISPOSE OF ALL RAMPS, STAIRS, AND SKIRTS.
   - DISCONNECT ALL SERVICES PRIOR TO RELOCATION.
2. FOR ALL RELOCATED AND DEMOLISHED PORTABLES, THE FOLLOWING REMOVALS ARE TO BE COMPLETED BY QUALIFIED PERSONNEL:
   - REMOVE OVERHEAD ELECTRICAL SERVICES FROM THE PORTABLES TO THE MAIN ELECTRICAL PANEL AT FAIRVIEW HEIGHTS SCHOOL.
   - REMOVE AND SALVAGE EXTERIOR HEAT PUMP CONDENSORS.

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DESIGN	RZ
REVIEWED BY	TC
DRAWN	TR
CHECKED BY	RS/DP
DATE	APRIL 2025
SCALE	1:250 (22x34) 1:500 (11x17)

2025 PORTABLE SITE REVIEW
HALIFAX REGIONAL CENTRE FOR EDUCATION

FAIRVIEW HEIGHTS SCHOOL
PROPOSED PORTABLE PLAN

PROJECT NO. 25-9902

SHEET NO. 2

FILENAME: C:\PW_WORKING_DIRECTORY\PROJECTS_2025\DILLON_50HDR\DMS91183\2_256902-02-SITE (FAIRVIEW ELEMENTARY).DWG PLOTTED BY: BALLEINE, HEATHER
PLOT DATE: 2025-05-23 @ 9:34:23 AM PLOT SCALE: 1:25.4 PLOT STYLE: DILLON-STANDARD.CTB

FILENAME: C:\PW WORKING DIRECTORY\PROJECTS 2025\DILLON_50HER\DN5018R\3_259902-02-SITE (BEDFORD SOUTH).DWG PLOTTED BY: BALLENE, HEATHER
PLOT DATE: 2025-05-22 @ 3:29:15 PM PLOT SCALE: 1:25.4 PLOT STYLE: DILLON-STANDARD.CTB

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REVIEWED BY	TC
DRAWN	TLR
CHECKED BY	RZ/DP
DATE	APRIL 2025
SCALE	1:300 (22x34) 1:600 (11x17)

2025 PORTABLE SITE REVIEW
HALIFAX REGIONAL CENTRE FOR EDUCATION

BEDFORD SOUTH SCHOOL
PROPOSED PORTABLE PLAN

PROJECT NO. 25-9902

SHEET NO. 3

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DRAWN: TR	CHECKED BY: RZ/DP
DATE: APRIL 2025	
SCALE: 1:250 (22x34) 1:500 (11x17)	

2025 PORTABLE SITE REVIEW
HALIFAX REGIONAL CENTRE FOR EDUCATION

CURNARD JUNIOR HIGH
PROPOSED PORTABLE PLAN

PROJECT NO. 25-9902

SHEET NO. 4

FILENAME: C:\PW_WORKING_DIRECTORY\PROJECTS_2025\DILLON_50HCR\DWG\R181\A_259902-02-SITE (CURNARD).DWG PLOTTED BY: BALLEINE, HEATHER
PLOT DATE: 2025-05-22 @ 2:54:41 PM PLOT SCALE: 1:25.4 PLOT STYLE: DILLON-STANDARD.CTB

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DRAWN: TR	CHECKED BY: RZ/DP
DATE: APRIL 2025	
SCALE: 1:200 (22x34) 1:400 (11x17)	

2025 PORTABLE SITE REVIEW
HALIFAX REGIONAL CENTRE FOR EDUCATION

PROJECT NO. 25-9902

JOHN MACNEIL ELEMENTARY OVERALL SITE PLAN

SHEET NO. 5

FILENAME: C:\PW WORKING DIRECTORY\PROJECTS 2025\DILLON_50HEB\DM039188\5-259902-02-SITE (JOHN MACNEIL ELEMENTARY).DWG PLOTTED BY: BALLENE, HEATHER
PLOT DATE: 2025-05-22 @ 2:55:34 PM PLOT SCALE: 1:25.4 PLOT STYLE: DILLON-STANDARD.CTB
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1	ISSUED FOR REVIEW	05/13/2025	RZ

DESIGN	RZ
REVIEWED BY	TC
DRAWN	TR
CHECKED BY	RZ/DP
DATE	APRIL 2025
SCALE	1:250 (22x34) 1:500 (11x17)

2025 PORTABLE SITE REVIEW
HALIFAX REGIONAL CENTRE FOR EDUCATION

PARK WEST SCHOOL
PROPOSED PORTABLE PLAN

PROJECT NO. 25-9902

SHEET NO. 6

FILENAME: C:\PW WORKING DIRECTORY\PROJECTS 2025\DILLON_SOUTH\DWGS\18016_259902-02-SITE (PARK WEST).DWG PLOTTED BY: RONDEAU, TAMMY
PLOT DATE: 2025-05-13 @ 12:44:18 PM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.CTB
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DRAWN: TR	CHECKED BY: RZ/DP
DATE: APRIL 2025	
SCALE: 1:300 (22x34) 1:600 (11x17)	

2025 PORTABLE SITE REVIEW
HALIFAX REGIONAL CENTRE FOR EDUCATION

PROJECT NO. 25-9902

RIDGECLIFF MIDDLE SCHOOL
PROPOSED PORTABLE PLAN

SHEET NO. 7

FILENAME: C:\PW WORKING DIRECTORY\PROJECTS 2025\DILLON_SOWER\NS\01887_259902-02-SITE (RIDGECLIFF MIDDLE SCHOOL).DWG PLOTTED BY: BALLENE, HEATHER
PLOT DATE: 2025-05-22 @ 3:17:03 PM PLOT SCALE: 1:25.4 PLOT STYLE: DILLON-STANDARD.CTB

HALIFAX

January 28, 2025

DILLON CONSULTING

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2025 Portable Option Site Review

Dillon Consulting Limited (Dillon) was retained by Halifax Regional Centre for Education (HRCE) to evaluating layout options, power, security, fire, and communications services for possible portable additions at select HRCE school Sites.

On January 22-23, 2025, Dillon visited schools within the HRM municipality to assess site condition that would support portable placement with limited disruption to the current school function and without significant civil improvements. We also investigated the existing electrical systems. This included an assessment of the power distribution, fire alarm, security, and communications systems of each building as required to determine the available capacity for installation of portable classrooms.

Schools being considered included:

- Bedford South
- Cunard Junior High
- Fairview Heights
- John MacNeil
- Park West
- Ridgecliff Middle School

Typical Portable Classroom Demand

We have assumed each portable classroom is anticipated to have an area of approximately 24' x 36' (7.5m x 11m). Each classroom would utilize a split AC system with supplementary electric heating.

CSA C22.1:24 Rule 8-204 Schools

1. Calculated load for service:
a. Classroom area: 4125W
b. Remaining area: 0
c. Electric heating, air-conditioning, and hardwired loads:
Electric heating: 10000W
Split AC system: 2000W
d. Large cord connected loads: 0
2. Demand factors:
a. Area up to 900sqm:
Electric heating: 10000W
Remaining loads: 4594W
Total demand: 14594W x 125% (continuous load)
18243W

Bedford South School
2 Oceanview Drive, Bedford, NS

Options for portable placement at Bedford South are limited as the school received a modular classroom in 2023 and another portable in 2024. Remaining location without undertaking significant site civil work would be taking parking areas near the fenced basketball court.

The NSPI service to the building is 347/600V, 3Ph, 4W and terminates to a 1200A main distribution panel with a 600A breaker manufactured by Cutler Hammer. The distribution panel appears to be in good condition. There is currently one (1) portable classroom installed on this facility, supplied from the building via overhead cabling. Additionally, there is a six (6) classroom modular unit installed, supplied from the building via underground cabling. According to kW demand readings obtained from NSPI, the peak demand is 240.9kW. It is anticipated this facility has an additional capacity of 382.5kW and could potentially accommodate several portable classrooms.

The fire alarm system is an Edwards iO series that could easily be expanded to accommodate future zones. The intrusion alarm panel is a Tyco HS3248 and the door access panels (2) are a Kantech KT400. Both panels are in good condition and the system is easily expandable if needed. The communications system consists of a large floor mounted data rack with Fortinet switches and IBDN patch panels. There is sufficient space within the patch panels to accommodate future communication outlets. Building automation System is by Delta.

Cunard Junior High
121 Williams Lake Road, Halifax, NS

The NSPI service to the building is 120/208V, 3Ph, 4W and terminates to a 400A fused disconnect switch manufactured by Square D. The disconnect is outdated and appears to be in poor condition. According to kW demand readings obtained from NSPI, the peak demand is 43.8kW. It is anticipated this facility has an additional capacity of 71.4kW and could potentially accommodate up to three (3) portable classrooms.

The fire alarm system is an Edwards Fire Shield Plus that could easily be expanded to accommodate future zones. The intrusion alarm panel is a DSC Power Series PC1864 and the door access panel is a Kantech KT1. Both panels are in good condition and the system is easily expandable if needed. The communications system consists of two (2) wall mounted data racks with Fortinet switches and AMP patch panels. There is sufficient space within the patch panels to accommodate future communication outlets. Building automation System is by Alerton.

Fairview Heights School
210 Coronation Avenue, Halifax, NS

The NSPI service to the building is 120/208V, 3Ph, 4W and terminates to a 200A fused disconnect switch manufactured by Federal Pacific. The disconnect is outdated and appears to be in poor condition. There are currently five (5) portable classrooms installed on this facility, each supplied from the building via overhead cabling. According to kW demand readings obtained from NSPI, the peak demand is 44.0kW. It is anticipated this facility has an additional capacity of 13.6kW and would be unable to accommodate any additional portable classrooms.

The fire alarm system is a Simplex Fire Control 4007ES that could easily be expanded to accommodate future zones. The intrusion alarm panel is a DSC Power Series PC1864 and the door access panel is a Kantech KT400. Both panels are in good condition and the system is easily expandable if needed. The communications system consists of a wall mounted data rack with Fortinet switches and CommScope patch panels. There is sufficient space within the patch panels to accommodate future communication outlets.

John MacNeil Elementary
62 Leaman Drive, Dartmouth, NS

The NSPI service to the building is 120/208V, 3Ph, 4W and terminates to a 400A fused disconnect switch manufactured by ITE. The disconnect is outdated and appears to be in poor condition. There is currently one (1) portable classroom installed on this facility, supplied from the building via overhead cabling. According to kW demand readings obtained from NSPI, the peak demand is 61.6kW. It is anticipated this facility has an additional capacity of 53.6kW and could potentially accommodate two (2) portable classrooms.

The fire alarm system is an Edwards iO series that could easily be expanded to accommodate future zones. The intrusion alarm panel is a DSC Power Series PC1864 and the door access panel is a Kantech KT400. Both panels are in good condition and the system is easily expandable if needed. The communications system consists of a wall mounted data rack with Fortinet switches and AMP patch panels. There is sufficient space within the patch panels to accommodate future communication outlets. Building automation System is by Delta.

Park West School
206 Lanbrae Drive, Halifax, NS

The NSPI service to the building is 347/600V, 3Ph, 4W and terminates to a 1200A main distribution panel with a 600A breaker manufactured by Cutler Hammer. The distribution panel appears to be in good condition. There are currently three (3) portable classrooms installed on this facility, each supplied from the building via overhead cabling. Additionally, there is a twelve (12) classroom modular unit installed, supplied from the building via underground cabling. According to kW demand readings obtained from NSPI, the peak demand is 307.4kW. It is anticipated this facility has an additional capacity of 316.0kW and could potentially accommodate fourteen (14) portable classrooms.

The fire alarm system is an Edwards EST3 that could easily be expanded to accommodate future zones. The intrusion alarm panel is a DSC MaxSys PC4020 and the door access panels (2) are a Kantech KT400. Both panels are in good condition and the system is easily expandable if needed. The communications system consists of a large floor mounted data rack with Fortinet switches and IBDN patch panels. There is sufficient space within the patch panels to accommodate future communication outlets. Building automation System is by Delta.

Ridgecliff Middle School

35 Beech Tree Run, Beechwood, NS

One or two additional portables could be added near the existing two portables at Ridgecliff. Minor pad leveling and slope re-grading may be warranted. For Option 2 locations, a drainage ditch may require the installation of a concrete culvert.

The NSPI service to the building is 347/600V, 3Ph, 4W and terminates to an 800A main distribution panel with an 800A breaker manufactured by Cutler Hammer. The distribution panel appears to be in good condition. There are currently two (2) portable classrooms installed on this facility, each supplied from the building via overhead cabling. According to kW demand readings obtained from NSPI, the peak demand is 218.8kW. It is anticipated this facility has an additional capacity of 612.4kW and could potentially accommodate several portable classrooms.

The fire alarm system is an Edwards iO series that could easily be expanded to accommodate future zones. The intrusion alarm panel is a DSC MaxSys PC4000 and the door access panel is a Kantech KT400. Both panels are in good condition and the system is easily expandable if needed. The communications system consists of a large floor mounted data rack with Fortinet switches and IBDN patch panels. There is sufficient space within the patch panels to accommodate future communication outlets. Building automation System is by Alerton.

Halifax Regional Centre for Education

Hot Work Policy

2018-19 School Year

Rev. 1

Hot Work Permit Follows This Document

Introduction

Hot work comes in a variety of applications each with its own heat source severity. All hot work is a fire hazard that left unmanaged will create high probability conditions for injury and/or property loss. Under the right conditions, hot work heat sources with the lowest temperature ratings can ignite products that seem most difficult to burn.

A hot work management system is required to reduce the risk of hot work causing personal injury and fire or other property damage. The following information is intended to establish the programs and processes designed to manage this risk.

Definition

Hot work is ***any temporary or permanent operation involving open flames or producing heat and/or sparks***. This includes but is not limited to: brazing, cutting, grinding, soldering, torch applied roofing and welding. The definition of hot work can be applied to activities within a facility such as periodic/planned maintenance activities, new construction work and emergency repairs.

Hot work may only be conducted on HRCE premises if authorized by designated Operations Services personnel and only after the following conditions are verified:

1. No other suitable non-hot work means can be found to produce the desired result;
2. No other safe location can be found to do the hot work; and
3. The designated/trained person(s) involved with authorizing and conducting the hot work have complied with all hot work permitting process requirements, including all precautions and required follow-up actions

All employees assigned to perform hot work on HRCE premises will receive the necessary education to be able to accept responsibility for safe, loss-free hot work operations.

Hot Work Management Process

Hot Work Management contains three components:

1. Avoid Hot Work where possible;
2. Prohibit Hot Work where it can not be conducted safely;
3. Conduct Hot Work in areas containing hazards by:
    - relocating the hot work
    - manage hot work by using the hot work permit system described below.

1) Avoid hot work when possible. Consider all alternative methods to hot work. Some alternative methods include:

- Mechanical removal and relocation of frozen piping to a heated area vs. thawing of piping in place with any form of hot work.
- Manual hydraulic shears vs. saw/torch cutting.
- Mechanical bolting vs. welding.
- Screwed or flanged pipe vs. sweat soldering.
- Reciprocating saw vs. radial saw.
- A roof covering system that does not require a hot work process.

2) Prohibit hot work in areas where hot work cannot be conducted safely under any conditions or where extensive preparation and planning are required to make the area and/or equipment involved fire safe. When these conditions exist, the area and/or equipment involved will be designated as a "No Hot Work Area". Examples of a "No Hot Work Area" include:

- Areas/equipment that contain/handle flammable liquids, flammable gases, combustible dusts, combustible metals and explosives
- Partitions, walls, ceilings or roofs with combustible plastic covering or cores (i.e., expanded plastic insulation, sandwich panels)
- Rubber lined equipment.
- Oxygen enriched atmosphere.
- Storage and handling of oxidizer materials.

Within HRCE schools and worksites, "No Hot Work Areas" include:

- Chemical storage rooms (unless and until all chemicals have been removed from the room);
- Cleaning products storage rooms (unless and until all chemicals have been removed from the room);
- Partitions, walls, ceilings or roofs with combustible plastic covering or cores;

3) When hot work must be conducted in areas or on equipment containing hazardous processes as described above, follow the specific precautions outlined below.

Hot work conducted outside of a designated, fixed hot work station will be managed using a **formal hot work permit system**. Within HRCE, hot work is defined as either **"minor hot work"** or **"major hot work"**, each of which requires a different level of permit and mitigation methods.

Minor Hot Work is defined as hot work which has a low risk of causing injury, fire or property damage because of the method of hot work, tools and equipment used and the materials in or near the hot work area. Designated workers can issue their own permit for conduct of minor hot work.

The hazard assessment on the hot work permit will be used to determine if the work is minor hot work. In most cases, the worker is his/her own "fire watch". The fire watch is maintained until the material being worked on is cool to the touch at which time an inspection of the work area and adjacent areas is conducted by the worker. While not normally required, the worker may re-inspect the work area or have another employee re-inspect the work area after a period of time if they feel a re-inspection is warranted.

Major Hot Work is defined as hot work where there is a moderate to high risk of injury, fire or property damage because of the method of hot work, tools and equipment used and the materials in or near the hot work area. Workers must be issued a hot work permit by their immediate Supervisor in order to complete major hot work.

The hazard assessment on the hot work permit will be used to determine if the work is major hot work. During major hot work, a fire watch will be posted to give continuous surveillance of the work area. Also, a continuous fire watch will be conducted for the length of time noted on the permit after the work is complete. A re-inspection will occur by the worker or another designated employee at the time indicated on the permit.

Hot Work Permit Process

The following is a step-by-step description of the Hot Work Permit process:

- The worker assigned the task of conducting hot work must complete the hazard assessment which forms the first part of the hot work permit.
- The worker determines if the work is "minor hot work" or "major hot work". If it is minor hot work, they issue a permit to complete the work. If it is "major hot work", they will request their immediate Supervisor issue the permit.
- The hot work permit is posted in a visible place within the work area. HRCE employees and supervisors in the area are informed about the hot work activity and the need to support the implemented precautions for this hazardous operation.
- While the hot work proceeds, the fire watch maintains a constant vigil (even during employees breaks and meal times) to maintain the hot work area in a fire-safe condition, keeps watch for any stray sparks, smoldering fires, or other fire hazards, and is ready to provide the initial fire response.
- **Once the work is completed, the fire watch remains in the area for the designated period, as noted: For minor hot work, until material is cool to the touch and area inspected; For major hot work the fire watch remains in place as indicated on the permit. The fire watch must then conduct an inspection, carefully inspecting the work and the adjacent**

areas for smoldering fires. This inspection extends to floors above and below the work and adjacent rooms.

- When work is completed the permit is removed and must be retained as a record of the work.

Fire Watch for "Major Hot Work"

The fire watch should be assigned and initiated when the hot work permit is issued, and this function should be maintained throughout the hot work operation including break/lunch and for the period noted on the permit, continuously following the completion of hot work. A fire watch should be posted and maintained in the immediate area of the hot work and in any adjacent areas that may be exposed by this operation.

The fire watch has responsibility to make sure the hot work area is maintained in a fire-safe condition throughout this work and has the authority to stop the hot work if unsafe conditions are observed. This person must understand the basic hazards of any combustible construction involved with the hot work area, the fire exposure hazard hot work creates to occupancies adjacent to and below the hot work operation, the hazards associated with the occupancy, and the need to maintain proper isolation of all hot work operations from combustible or flammable materials. The fire watch also must be properly trained in use of manual, portable fire extinguishers and emergency notification procedures within the school/worksite.

Second Fire Watches

For any hot work operations on a building roof or adjacent to building walls where a combustible occupancy exists within the structure or the building has any combustible construction, a second fire watch should be posted in the exposed adjacent areas.

For roof level hot work, a second fire watch should be posted on the floor immediately below for roof hot work. Where suspended ceilings are present between the building occupancy and the underside of the structural roof, this space should be inspected periodically during the hot work operation.

Hot work conducted on any building floors and walls or adjacent to building walls with unprotected openings where a combustible occupancy or construction exists on the opposite side, should include assignment of a second fire watch on the opposite side of the wall. This same approach should apply when hot work is conducted on pipe/building shafts, HVAC ductwork, etc.

Fire Prevention Measures

Based on the Hot Work Permit System, implement hot work fire prevention precautions as follows for **minor hot work**:

- Maintain automatic sprinkler protection and other fixed fire protection systems in service and fully operational.
- Provide manual firefighting equipment appropriate for the construction/occupancy hazards in the hot work area.
- Maintain hot work equipment in good repair.
- Separate hot work operations from combustibles using fire resistive blankets or screens to properly isolate the hot work from the adjacent combustible materials.
- The following fire safety precautions listed on the Hot Work Permit apply to the surface area within 35 ft (11 m) of the hot work. The major purpose is to isolate fuels from sparks. Within this area:
    a) Sweep floors clean, removing any spilled grease or oil
    b) Remove any flammable materials (wood, cardboard, etc) or liquids (paints, oils and lacquers) from the hot work area.
    c) Protect combustibles that cannot be moved with fire resistive tarpaulins or metal shields
- Hot work is prohibited on partitions, walls, ceilings or roofs with combustible plastic coverings or cores (i.e., expanded plastic insulation, sandwich panels).
- Schedule hot work during shutdown periods if possible.

Based on the Hot Work Permit System, implement hot work fire prevention precautions as follows for **major hot work**:

- Maintain automatic sprinkler protection and other fixed fire protection systems in service and fully operational.
- Provide manual firefighting equipment appropriate for the construction/occupancy hazards in the hot work area.
- Maintain hot work equipment in good repair.
- Separate hot work operations from combustibles by a minimum of 35 ft (11 m) of open space from grade level hot work areas. An alternative is to use proper fire resistive welding blankets and screens to properly isolate the hot work from the adjacent combustible occupancies.
- The following fire safety precautions listed on the Hot Work Permit apply to the surface area within 35 ft (11 m) of the hot work. The major purpose is to isolate fuels from sparks. Within this area:
    a) Sweep floors clean, removing any spilled grease or oil. Cover floors made of combustible material (i.e., boards on joist, plank on steel, wood block) with fire-resistant tarpaulins or other noncombustible material.
    b) Remove any flammable liquids (paints, oils and lacquers) from the hot work area.

c) Protect combustibles that cannot be moved with fire resistive tarpaulins or metal shields. This includes all storage or machinery with grease or lint deposits. Hot work blankets used to cover combustible materials or construction that cannot be relocated from the hot work area should always be “tented”.
d) Cover all wall and floor openings. Plug floor openings with an approved fire stop material. Seal ductwork and duct openings with metal covers or cover them with fire-resistive tarpaulins. Close all doors and fire doors to prevent sparks from escaping.

- Either eliminate explosive atmospheres (dust or vapor) or prohibit the hot work. Shut down any process that produces explosive atmospheres, and continuously monitor the area for accumulation of combustible gases before, during and after hot work. Prohibit hot work where accumulations of volatiles or combustibles are severe and cannot be eliminated.
- Prohibit hot work on partitions, walls, ceilings or roofs with combustible plastic coverings or cores (i.e., expanded plastic insulation, sandwich panels).
- Schedule hot work during shutdown periods if possible.
- Secure, isolate and vent pressurized vessels, piping and equipment as needed prior to initiating hot work. Clean combustible and/or flammable liquids, gases and solids whenever present within the equipment, prior to initiating hot work.
- For hot work on vessels or boilers, use only contractors who are qualified by a nationally or internationally recognized boiler and pressure vessel code.
- Assign a designated fire watch to the hot work operation before this work is started. Maintain a continuous fire watch during the hot work activity, throughout all break and lunch periods, and for at least one hour following the completion of the hot work. Beyond this, monitor the area for up to an additional 3 hours, depending on local conditions.
- Avoid hot work of any kind in areas handling, **processing or storing flammable liquids or gases**. Hot work provides an ignition source in an area where fuel is available in significant quantities and in a readily ignitable form. Ideally, relocated any hot work operation within a flammable liquid or gas occupancy to a non-hazardous location. When relocation is not possible, the following additional precautions should be implemented:
  a) Drain all equipment or piping in the area of flammable and combustible liquids.
  b) Steam clean equipment or pipe to be worked on or provide with an inert atmosphere, to prevent creation of a flammable atmosphere.
  c) Shut off pipe supplying the area with flammable and combustible liquids off at the source (valve should be locked shut to prevent unexpected opening). If the piping is to be worked on, blank if off.

d) Check equipment or piping with a portable oxygen analyzer before and during the hot work. This is to ensure that sufficient oxygen to support combustion is not present inside the equipment or piping.
e) Protect all permanent storage tanks or piping (that cannot be moved or drained) against physical contact and heat from hot work equipment. Preferably all equipment that is within reach of the hot work equipment (grinder, welding rod holder, cutting torch, etc.) will be drained, purged and made inert. If this is not possible due to the quantities of flammable liquids involved, provide physical protection for closed flammable liquid equipment by placing welding curtains and temporary barriers between the equipment and the hot work. Carefully review the area to ensure that no vents or other opening are near the hot work that could allow fumes to come into contact with any sparks or hot surfaces.
f) Keep mechanical exhaust ventilation in the room/building in operation.
g) Use a portable combustible gas analyzer before and during the work. If any detectable readings are obtained, then work cannot begin or continue until the source is found and suitably mitigated such that the concentration is maintained below 10% of the LFL.

Alternative to the 35 ft (11 m) Rule

An alternative to the 35 ft (11 m) rule is to physically isolate the hot work operation from adjacent combustible occupancies or construction using properly fire rated hot work shields and/or blankets. “Boxing” the hot work operation can be accomplished through vertically suspending hot work shields or blankets around the hot work extended at least 15 ft (4.6 m) above the highest elevation of the hot work or to the bottom of a solid/smooth ceiling/roof and extending to floor.

When “boxing” is used in buildings with structural members that create an open space between the top of the member and the floor or roof above, this space should be sealed to prevent liberation of sparks/spatter/slag through the open space. The lower elevation of the “boxing” materials should overlap onto the floor at least 6 in. (152 mm) and this layer should be constructed of a noncombustible, fire resistive hot work blanket material. The process of “boxing” the hot work hazard requires a proper understanding of the limitations of the hot work shields or blankets being used.

Hot work shields or screens should be used only as vertical barriers for hot work operations. Where these shields or screens are required to extend onto the floor in the hot work area, the bottom 2 ft (0.6 m) of the screen should be constructed of noncombustible hot work blanket material. ***Hot work shields or screens are typically constructed of translucent plastic materials that are combustible and will fail under extended exposure to severe hot work in positions other than a vertical position.***

Where severe hot work (torch cutting, arc stick welding) will be conducted and the area beneath this activity needs to be protected against the hot work, hot work pads should be provided.

Elevated Hot Work

For elevated hot work, combustible materials should be either relocated a minimum of 50 ft (15.2 m) from the hot work area; or properly protected with fire retardant welding blankets; or the hot work operation isolated with welding screens. Suspend fire-resistive welding blankets under hot work conducted near the ceiling. Place noncombustible screens around hot work at the floor to trap sparks. Every elevated hot work operation needs to be evaluated on a case-by-case basis to determine a reasonable safe distance from hot work to combustible occupancies or construction. The physical conditions involved may dictate relocation of combustibles beyond 50 ft (15.2 m).

Outside Contractors

Many hot work operations are performed by outside contractors; these include cutting, welding, joint soldering, paint removal, roofing, etc. When outside contractors are involved, the risk of fire may increase simply because contractors may not understand the hazards at the school/worksite.

Contractors working for HRCE, and conducting hot work, must have their own Hot Work Permit/Management System that provides equal or greater risk mitigation than those methods and procedures mention herein.

Contractors must inform HRCE when hot work will be conducted at any of our schools/worksites.

HOT WORK PERMIT

STOP!
Avoid hot work when possible! Consider using an alternative cold work method.

This Hot Work Permit is required for any temporary operation involving open flames or producing heat and/or sparks conducted outside a Hot Work Designated Area. This includes, but is not limited to: brazing, cutting, grinding, soldering, torch-applied roofing and welding.

Instructions for Permit Authorizer

1. Specify the precautions to take.
2. Fill out and keep **Part 1** during the hot work process.
3. Issue **Part 2** to the person doing the job.
4. Keep **Part 2** on file for future reference, including signed confirmation that the post-work fire watch and monitoring have been completed.
5. Sign off the final check on **Part 2**.

HOT WORK BY
☐ Employee
☐ Contractor _____

DATE	JOB NUMBER

LOCATION OF WORK (BUILDING/FLOOR/OBJECT)

WORK TO BE PERFORMED

NAME OF PERSON PERFORMING HOT WORK

NAME OF PERSON PERFORMING FIRE WATCH

I verify the above location has been examined, the Required Precautions have been taken, and permission is authorized for this work.

PERMIT AUTHORIZER (PRINT AND SIGN)

THIS PERMIT EXPIRES ON (LIMIT AUTHORIZATION TO ONE SHIFT):

DATE: TIME: AM/PM

Note: Emergency notification on back of form.

Additional FM Global Resources:
Property Loss Prevention Data Sheet 10-3, *Hot Work Management*
Hot Work Permit App via fmglobal.com/apps
Hot Work Permit form (F2630) via fmglobalcatalog.com
Online training at training.fmglobal.com
FM Approved equipment via fmapprovals.com

FM Global

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Part 1

Required Precautions

Y	NA	
☐	☐	The fire pump is in operation and switched to automatic.
☐	☐	Control valves to water supply for sprinkler system are open.
☐		Extinguishers are in service/operable.
☐		**Hot work equipment is in good working condition.**

Requirements within 35 ft. (10 m) of hot work

☐	☐	Shield combustible construction using listed (e.g., FM Approved) welding pads, blankets and curtains.
☐	☐	Remove or shield nonremovable combustibles using listed (e.g., FM Approved) welding pads, blankets and curtains.
☐	☐	Isolate potential sources of flammable gas, ignitable liquid or combustible dust/lint (e.g., shut down equipment).
☐	☐	Remove ignitable liquid, combustible dust/lint and combustible residues.
☐	☐	Shut down ventilation and conveying systems.
☐	☐	Remove combustibles and consider a second fire watch on opposite side of floor, wall, ceiling or roof when openings exist or thermally conductive materials pass through.
☐	☐	Is work on a combustible building assembly (e.g., Torch-Applied Roofing)? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Hot work on/in closed equipment, ductwork or piping

☐	☐	Isolate equipment from service.
☐	☐	Remove ignitable liquid and purge flammable gas/vapor.
☐	☐	Prior to work, and/or during work, monitor for flammable gas/vapor. LEL reading(s): _____
☐	☐	Remove combustible dust/lint or other combustible materials.
☐	☐	Is work on/in equipment with nonremovable combustible linings or parts? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Fire watch/fire monitoring the hot work area
Times listed are sufficient for majority. Use Table at back of permit for guidance for combustible concealed cavities, roof work or favorable factors.

☐		Perform a continuous fire watch during hot work.
☐		Perform a continuous fire watch post-work for
	☐	1 hour or Other ___ hours.
☐	☐	Perform fire monitoring for
	☐	3 hours or Other ___ hours.

ADDITIONAL REQUIRED PRECAUTIONS:

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