FACILITIES MANAGEMENT

OPEN CALL FOR BIDS

FOR

CL-510-25
COUGHLAN COLLEGE
BUILDING DEMOLITION
CP-1

Request for Open Call Number: **TFM-042-25** Issued:

October 7, 2025

Submission Deadline: **Thursday, November 6, 2025 @ 3:00PM NST**

REQUEST FOR OPEN CALL FOR BIDS INFORMATION SHEET

Request for Open Call			
Title:	**COUGHLAN COLLEGE BUILDING DEMOLITION CP-1**		
Open Call #:	**TFM-042-25**	Issue Date:	**October 7, 2025**
Mandatory Site Briefing:	**Refer to Specification 01 11 00 – Summary of Works 1.3.4. Mandatory site briefing.**		**10am - October 16, 2025 Or 10am – October 23, 2025**
Questions Deadline:	**Eight (8) days prior to closing time, at 3:00pm (NST).**	Closing Date & Time: Bid Submission Format: Opening Date, Time & Location:	**Thursday November 6, 2025 @ 3:00 pm NST** **opencalls@mun.ca** **Thursday, November 6, 2025 @ 3:30 pm NST** **Via Conference line: 1-416-915-6530 (toll free) Access Code: 2772-067-6983 Attendee ID: Please press Pound (#)**
Bids Irrevocable Period after Submission Deadline:			**45 days (See section 1.6)**
Bid Submission: Responses to this solicitation must be submitted by email to opencalls@mun.ca Email subject line must read: BID SUBMISSION: TFM-042-25 COUGHLAN COLLEGE BUILDING DEMOLITION CP-1			

Inquiries and Communication

Inquiries and communication: Strategic Procurement Office, Memorial University of Newfoundland, opencalls@mun.ca. Inquiries accepted only via email. No phone calls will be accepted. **Please reference open call Title and Open Call # from above, ie: TFM-042-25 COUGHLAN COLLEGE BUILDING DEMOLITION CP-1 in subject line. Emails not containing this requirement information in the subject line will NOT receive a response.**

Bids submitted by fax, mail, courier, drop off or by any other means of delivery other than by email stated above shall not be accepted.

ABOUT MEMORIAL UNIVERSITY

As Newfoundland and Labrador's only university, Memorial has a special obligation to the people of this province. Established as a memorial to the Newfoundlanders who lost their lives on active service during the First and Second World Wars, Memorial University draws inspiration from these shattering sacrifices of the past as we help to build a better future for our province, our country and our world.

We are a multi-campus, multi-disciplinary, public university committed to excellence in teaching and learning, research and scholarship, and to public engagement and service. We strive to have national and global impact, while fulfilling our social mandate to provide access to university education for the people of the province and to contribute to the social, cultural, scientific and economic development of Newfoundland and Labrador and beyond.

The Memorial experience goes beyond academics; it invites a discovery of self, community and place. At Memorial, we celebrate our unique identity through the stories of our people – the work of scholars and educators, the ingenuity of students, the achievements of alumni – and the impact we collectively make in the province, the country and the world. Memorial is the natural place where people and ideas become.

Memorial University has more than 18,500 students and 3,600 faculty and staff spread across four campuses and nearly 100,000 alumni active throughout the world. From local endeavors to research projects of national importance, Memorial's impact is felt far and wide.

Mission, Vision and Values

Vision

Memorial University will be one of the most distinguished public universities in Canada and beyond, and will fulfill its special obligation to the people of Newfoundland and Labrador.

Mission

Memorial University is an inclusive community dedicated to innovation and excellence in teaching and learning, research, scholarship, creative activity, service and public engagement.
Memorial welcomes and supports students and scholars from all over the world and contributes knowledge and expertise locally, nationally and internationally.

Values

Excellence: Encouraging and promoting excellence through innovation and creativity, rigor and pragmatism.

Integrity: Being honest and ethical in all interactions, maintaining the highest ethical standards in teaching, research, public engagement and service.

Collegiality: Engaging others with respect, openness and trust in pursuit of a common purpose, having regard for individuals, ideals and the institution as a whole.

Inclusiveness and diversity: Embracing and acting on responsibility to guarantee diversity and equity.

Responsiveness: Being receptive to individuals and communities.

Accountability: Accepting responsibility for achievement of common goals and objectives.

Freedom and Discovery: Supporting the freedom to pursue knowledge that is based on individual and collective intelligence, curiosity, ingenuity and creativity.

Recognition: Acknowledging, tangibly, all aspects of university enterprise including teaching and learning, research, scholarship, creative activity and public engagement.

Responsibility to place: Valuing and fulfilling the special obligation to the people of Newfoundland and Labrador by supporting and building capacity for excellence that:

- addresses needs and opportunities for Newfoundland and Labrador;
- engages the university community on matters of national and international significance;
- produces and delivers academic programs of national and international calibre; and,
- Recognizes the dynamic opportunities presented by a multi-campus institution.

Responsibility to learners: Recognizing students as a first priority and providing the environment and support to ensure their academic and personal success.

Interdisciplinary collaboration: Supporting overarching themes in all pursuits that cut across academic units and address significant opportunities and challenges for which Memorial is particularly well positioned to build nationally and internationally recognized capacity.

Sustainability: Acting in a manner that is environmentally, economically and socially sustainable in administration, academic and research programs.

Memorial's exceptional staff and students contribute to the vitality and positive environment of the university through active community engagement. Memorial University has always been a publicly engaged institution. Since the founding of the University in 1949, the work of many of Memorial's students, faculty and staff has emphasized the importance of strong, sustained partnerships with members of the public of Newfoundland and Labrador and beyond.

Faculty and Staff

Memorial is one of the largest employers in the province, with approximately 3,600 faculty and staff. Memorial has been recognized as an Employer of Distinction by the Newfoundland and Labrador Employers' Council, which is reflective of its investment in comprehensive benefits, services such as childcare and recreation facilities, emphasis on work-life balance, and its vibrant work environment.

Governance and Administration

The management, administration and control of the property, revenue, business and affairs of the University are vested in a Board of Regents. The Board is appointed under the *Memorial University Act* and is responsible for the management, administration, and control of the property, revenue, business and affairs of the university. Matters of an academic character are in general charge of the Senate of the University.

For more information on Memorial University of Newfoundland, please visit:
Memorial's home page: http://www.mun.ca/

Territory Acknowledgements at Memorial:

We acknowledge that the lands on which Memorial University's Campus are situated are in the traditional territories of diverse Indigenous groups and we acknowledge with respect the diverse histories and cultures of the Beothuk, *Mi'kmaq, Innu, and Inuit of this province.*

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END OF SECTION

PART 1 – SUBMISSION INSTRUCTIONS

1.1 Bids to be Submitted on Time

Bids must be submitted as set out above on or before the Submission Deadline. Bids submitted after the Submission Deadline will be rejected. Onus and responsibility rest solely with the bidder to submit its bid to the email indicated in the Open Call for Bids on or before the Submission Deadline. The Owner does not accept any responsibility for any bids submitted by means other than the email listed above. Bidders making submissions near the deadline do so at their own risk due server availability. The time for the closing will be determined according to the inbox, time stamp on opencalls@mun.ca.

Bids received after the closing time based on this time stamp, will NOT be considered.

1.2 Bids to be Submitted in Prescribed Format

- Bidders should submit **one (1)** email submission in PDF format.
- Please note: File size cannot exceed 15 MB. Otherwise server may reject bid submission due to size.
- **Bids submitted by fax, mail, courier, drop off or by any other means of delivery other than by email stated above shall not be accepted.**

1.3 Amendment/Revision of Bids

Bidders shall amend their bids after they have been submitted if, and only if, the amendment is emailed prior to the Submission Deadline marked **BID SUBMISSION AMENDMENT** followed by open call number and name. Previous submissions shall be cancelled and the bid submission with the most recent date and time shall be considered the final bid.

Bidders shall revise **APPENDIX C- Pricing form *only*** by submitting an updated **Pricing Form** prior to submission deadline. The revised **Pricing Form** shall replace the **Pricing Form** received with the original bid submission.

PLEASE NOTE: **APPENDIX C – Pricing Form** is the only section of the bid that can be revised independently. All other amendments/revisions shall require completing a new bid submission.

Bidders may revise their bid by email: opencalls@mun.ca

The Owner does not accept any responsibility for amendments submitted by means other than the email listed above. Bidders making submission near the deadline do so at their own rick due to service availability. The time for the closing will be determined according to the inbox, time stamp on opencalls@mun.ca. Amendments to bids received after the closing time base on this times stamp, will NOT be considered.

Email inquiries and requests for clarification shall be accepted up to eight (**8) days (3:00pm NST)** prior to the closing time. Inquiries and requests for clarification received after this date shall not be addressed. The Strategic Procurement Office will be the only official source of

information regarding this Open Call for Bids and information from any other source shall be considered unofficial and may not be correct.

1.4 Amendment of Open Call for Bid Documents

To ensure consistency and quality in the information provided to bidders the Owner shall provide, by way of amendment to this Open Call for Bids, in the form of an addendum, any relevant information with respect to the Open Call inquiries received in writing without revealing the source of those inquiries. Bidders are cautioned that it is their responsibility to ensure that they receive all information relevant to this Open Call. The Owner shall not be responsible for bidders who fail to inform themselves regarding the scope and nature of the work. The Owner shall publish all amendments on Memorial University's current service providers: MERX: www.merx.com, BIDS: www.bids.ca and PODS: www.pods.net. In addition, all amendments will be published on https://www.mun.ca/finance/strategic_procurement/. Bidders should check on a regular basis for Open Call updates. Bidders are solely responsible for ensuring they are aware of and have complied with all amendments by tender closing time. In the event there is a discrepancy between MERX, BIDS, and PODS and the official website https://www.mun.ca/finance/strategic_procurement/ website, the https://www.mun.ca/finance/strategic_procurement/ is the official website. Bidders are welcome to register their email address through opencalls@mun.ca to receive addendum notifications from Open Calls as a matter of courtesy. This does not relieve any Bidder of their responsibility to ensure all addenda has been received.

1.5 Withdrawal of Bids

Bidders may withdraw their bids prior to the Submission Deadline. To withdraw a bid, a notice of withdrawal must be sent to the opencalls@mun.ca email address prior to the Submission Deadline. The Owner is under no obligation to return withdrawn bids.

1.6 Bids Irrevocable after Submission Deadline

Bids shall be irrevocable for a period of **45** days running from the moment that the Submission Deadline passes.

1.7 Delivery

Time is of the essence and delivery schedule(s) are legally binding. Memorial University reserves the right to assess penalties or cancel awards to Bidders who fail to meet the stated delivery or completion dates. Delivery of all materials and services must be DAP (delivered at place) or DDP (delivered duty paid (all locations) and local environs.

1.8 Signature

Memorial University, in consideration of section 11 of the Electronic Commerce Act, confirms its acceptance of electronic signatures, or other acceptable form of electronic consent, in satisfaction of the signature requirement for bid submissions. The electronic form of signature or consent must be directly related to the relevant bid submission at issue and must be reliable, in a manner as determined by Memorial University, for the purpose of identifying the person submitting the bid response. By submitting a bid under this process, the bidder confirms that the signatory has the appropriate and proper authority to bind the bidder to its submission, a confirmation upon which Memorial University relies in the

processing of the bid submission.

Bidders must complete Appendix B –Submission Form. Any bids received without Appendix B completed will be deemed non-complaint.

1.9 Closure

In the event that the University is closed earlier than normally expected prior to a scheduled open calls closing for that day, or for the full day, the closing date for those open calls will be extended to the next business day for the University at the same time as listed originally.

1.10 Corporations Act

The Corporations Act of Newfoundland and Labrador requires that an extra-provincial company be registered before it begins or carries on business in the Province. If your company is not registered, please apply for the appropriate forms and procedures to:

Commercial Registrations Division
Dept of Government Services, PO Box 8700 St John's, NL Canada A1B 4J6
Phone: 709-729-3317, Fax: 709-729-0232
Website: http://www.gs.gov.nl.ca/registries/companies/corp_art_inc.html

[End of Part 1]

PART 2 – EVALUATION AND AWARD

2.0 Stages of Evaluation

The Owner will conduct the evaluation of bids in the following stages:

2.1.0 Stage I – Mandatory Submission Requirements

Stage I will consist of a review to determine which bids comply with all of the mandatory submission requirements. Bids that do not comply with all of the mandatory submission requirements as of the Submission Deadline will, subject to the express and implied rights of the Owner, be disqualified and not evaluated further.

2.1.1 Stage II – Mandatory Technical Requirements

Stage II will consist of a review to determine which bids comply with all of the mandatory technical requirements. Bids that do not comply with all of the mandatory technical requirements as of the Submission Deadline will, subject to the express and implied rights of the Owner, be disqualified and not evaluated further. The mandatory technical requirements are listed in Appendix A - Specifications.

2.1.2 Stage III – Pricing

Stage III will consist of a scoring of the submitted pricing of each compliant bid in accordance with the evaluation method set out in the Pricing Form (Appendix C). The evaluation of price will be undertaken after the evaluation of mandatory requirements has been completed.

2.2 No Amendment to Forms

Other than inserting the information requested on the mandatory submission forms set out in the Open Call, a bidder may not make any changes to any of the forms. Any bid containing any such changes, whether on the face of the form or elsewhere in the bid, shall be disqualified.

2.3 Selection of Lowest Compliant Bidder as Preferred Supplier

Subject to the Owner's reserved rights, the compliant bidder with the lowest pricing will be the preferred supplier, and will be selected to enter into the Agreement in accordance with the following section. In the event of a tie, the preferred supplier will be determined by way of a coin toss, in accordance with the Public Procurement Policy. Provincial suppliers, suppliers with a place of business in Newfoundland and Labrador, will be given provincial supplier preference provision. This mandates an allowance of ten percent for provincial suppliers for all procurement below trade agreement thresholds.

Please note, the supplier preference does not apply when the estimated value of the commodity is above the trade agreement threshold shown in the following table.

Public Body	Thresholds			
	Goods	Services	Public Works	Lease of Space
Memorial University	$133,800	$133,800	$334,400	$100,000

2.4 Notice to Bidder and Execution of Agreement

Notice of selection by the Owner to the preferred supplier shall be in writing. The preferred supplier shall execute the Agreement, the form and content of which will be mutually agreed upon between the parties and satisfy any other applicable conditions of this open call within fifteen (15) days of notice of selection. This provision is solely for the benefit of the Owner and may be waived by the Owner.

2.5 Failure to Enter into Agreement

If a selected bidder fails to execute the Agreement or satisfy the pre-conditions of award listed in the Open Call Particulars within fifteen (15) days of notice of selection the Owner may, without incurring any liability, proceed with the selection of another bidder and pursue all remedies available to the Owner.

2.6 Payment Terms

The University's standard payment terms are net 30 days after delivery of goods, or net 15 days after successful completion of installation as applicable. In the case of services, payment terms are also net 30 days after successful completion of the service. These terms shall also apply in the case of sub-contracted items. Prepayments will not be considered unless the supplier provides an irrevocable standby letter of credit, or the supplier provides a credit reference from its banker (in conjunction with a 50% materials and labour bond and a 50% performance bond) satisfactory to the Director of Financial and Administrative Services.

[End of Part 2]

PART 3 – TERMS AND CONDITIONS OF THE OCB PROCESS

3.1 Open Call Incorporated into Bid

All of the provisions of this Open call are deemed to be accepted by each bidder and incorporated into each bidder's bid. A bidder who submits conditions, options, variations or contingent statements to the terms as set out in this Open call, either as part of its bid or after receiving notice of selection, unless otherwise indicated, shall be disqualified.

3.2 Bidders to Follow Instructions

Bidders should structure their bids in accordance with the instructions in this Open call. Where information is requested in this Open Call, any response made in a bid should reference the applicable section numbers of this Open Call.

3.3 Bids in English

All bids are to be in English only.

3.4 No Incorporation by Reference

The entire content of the bidder's bid should be submitted in a fixed form, and links to the content of websites or other external documents referred to in the bidder's bid but not attached will not be considered to form part of its bid.

3.5 References and Past Performance

In the evaluation process, the Owner may consider information provided by the bidder's references and may also consider the bidder's past performance or conduct on previous contracts with the Owner or other institutions.

3.6 Information in Open Call Only an Estimate

The Owner and its advisors make no representation, warranty or guarantee as to the accuracy of the information contained in this Open Call or issued by way of addenda. Any quantities shown or data contained in this Open Call or provided by way of addenda are estimates only, and are for the sole purpose of indicating to bidders the general scale and scope of the Deliverables. It is the bidder's responsibility to obtain all the information necessary to prepare a bid in response to this Open Call.

3.7 Bidders to Bear Their Own Costs

The bidder will bear all costs associated with or incurred in the preparation and presentation of its bid, including, if applicable, costs incurred for interviews or demonstrations.

3.8 Bid to be Retained by the Owner

The Owner will not return the bid or any accompanying documentation or samples submitted by a bidder.

3.9 Trade Agreements

Bidders should note that procurements falling within the scope of the Canadian Free Trade Agreement, and/or the Canada-European Union Comprehensive Economic Trade Agreement are subject to those trade agreements but that the rights and obligations of the parties will be governed by the specific terms of this Open Call.

3.10 No Guarantee of Volume of Work or Exclusivity of Contract

The Owner makes no guarantee of the value or volume of work to be assigned to the preferred supplier. The Agreement will not be an exclusive contract for the provision of the described Deliverables. The Owner may contract with others for goods and services the same as or similar to the Deliverables or may obtain such goods and services internally.

3.11 Communication After Issuance of Open Call

Bidders shall promptly examine all of the documents comprising this Open Call, and

(a) shall report any errors, omissions or ambiguities; and
(b) may direct questions or seek additional information in writing by email to opencalls@mun.ca on or before the Deadline for Questions. All questions or comments submitted by bidders by email to the Open Call Contact shall be deemed to be received once the email has entered into the Open Call Contact's email inbox. No such communications are to be directed to anyone other than the Open Call Contact, and the Owner shall not be responsible for any information provided by or obtained from any source other than the Strategic Procurement Office. The Owner is under no obligation to provide additional information. It is the responsibility of the bidder to seek clarification from the Open Call Contact on any matter it considers to be unclear. The Owner shall not be responsible for any misunderstanding on the part of the bidder concerning this Open Call or its process.

3.12 All New Information to Bidders by Way of Addenda

This Open Call may be amended only by addendum in accordance with this section. If the Owner, for any reason, determines that it is necessary to provide additional information relating to this Open Call, such information will be communicated to all bidders by addenda. Each addendum forms an integral part of this Open Call and may contain important information, including significant changes to this Open Call. Bidders are responsible for obtaining all addenda issued by the Owner. In the Submission Form (Appendix B), bidders MUST confirm their receipt of all addenda by setting out the number of each addendum in the space provided.

3.13 Addenda and Extension of Submission Deadline

Any addendum issued within four (4) calendar days of the Open Call for Bids closing (Including on closing day) will extend closing by a reasonable period to be determined by Memorial University.

When evaluating bids, the Owner may request further information from the bidder or third parties in order to verify, clarify or supplement the information provided in the bidder's bid. The response received by the Owner shall, if accepted by the Owner, form an integral part of the bidder's bid.

3.14 Notification to Other Bidders

In accordance with section 30 of the *Public Procurement Regulations*, once the Agreement is awarded by the Owner, the outcome of the Open Call will be publicly posted at https://www.mun.ca/finance/strategic_procurement/. There will be no issuing of regret letters.

3.15 Debriefing

In accordance with the Public Procurement Act and Regulations, unsuccessful bidders may request a debriefing within ten (10) business days after the award has been posted. The request must be sent in writing to the Open call contact. The intent of the debriefing information session is to provide the bidder an overview of their bid and why it was unsuccessful and to help the bidder in presenting a better bid in subsequent procurement opportunities. The debriefing process is not for the purpose of providing an opportunity to challenge the procurement process or its outcome. A debriefing shall not disclose information regarding another bidder's bid.

3.16 Supplier Complaint Process

If a bidder wishes to register a complaint with respect to the Open Call process, the complaint should be provided in writing and within the parameters established by section 25 of the Public Procurement Regulations, as amended. The notice must provide a detailed explanation of the bidder's concerns with the procurement process or its outcome, in addition to such other information as may be required by the *Regulations*. Bidders should note that these complaint procedures are separate and distinct from any dispute resolution processes that may be provided for under applicable trade agreements. If a bidder wishes to dispute a matter under an applicable trade agreement, the bidder must follow the process set out in the trade agreement.

3.17 Conflict of Interest and Prohibited Conduct

The Owner may disqualify a bidder for any conduct, situation or circumstances, determined by the Owner, in its sole and absolute discretion, that constitutes a conflict of interest.

The Owner reserves the right to disqualify any bidder that in the Owner's sole opinion has an actual or potential conflict of interest or an unfair advantage.

For the purposes of this Open Call, the term "Conflict of Interest" includes, but is not limited to, any situation or circumstance where in relation to the Open Call process, the bidder has an unfair advantage or engages in conduct, directly or indirectly, that may give it an unfair advantage, including but not limited to: (i) having, or having access to, confidential information of the Owner in the preparation of its bid that is not available to other bidders, (ii) communicating with any person with a view to influencing preferred treatment in the Open Call process (including but not limited to the lobbying of decision makers involved in the Open Call process), or (iii) engaging in conduct that compromises, or could be seen to compromise, the integrity of the open and competitive Open Call process or render that process non-competitive or unfair.

Bidders are required to disclose, to the Open Call Contact, any potential or perceived conflict of interest issues prior to Open Call closing date and time.

3.18 Disqualification for Prohibited Conduct

The Owner may disqualify a bidder, rescind a notification of selection or terminate a contract subsequently entered into if the Owner determines that the bidder has engaged in any conduct prohibited by this Open Call.

3.19 Bidder Not to Communicate with Media

Bidders must not at any time directly or indirectly communicate with the media in relation to this Open Call or any agreement entered into pursuant to this Open Call without first obtaining the written permission of the Open Call Contact.

3.20 No Lobbying

Bidders must not, in relation to this Open Call or the evaluation and selection process, engage directly or indirectly in any form of political or other lobbying whatsoever to influence the selection of the successful bidder(s).

3.21 Illegal or Unethical Conduct

Bidders must not engage in any illegal business practices, including activities such as bid-rigging, price-fixing, bribery, fraud, coercion or collusion. Bidders must not engage in any unethical conduct, including lobbying, as described above, or other inappropriate communications; offering gifts to any employees, officers, agents, elected or appointed officials or other representatives of the Owner; deceitfulness; submitting bids containing misrepresentations or other misleading or inaccurate information; or any other conduct that compromises or may be seen to compromise the competitive process provided for in this Open Call.

3.22 Past Performance or Past Conduct

The Owner may prohibit a supplier from participating in a procurement process based on past performance or based on inappropriate conduct in a prior procurement process, including but not limited to the following:

(a) illegal or unethical conduct as described above;

(b) the refusal of the supplier to honor submitted pricing or other commitments; or

(c) any conduct, situation or circumstance determined by the Owner, in its sole and absolute discretion, to have constituted a Conflict of Interest.

(d) performance on other contracts, including the efficiency and workmanship as well as the extent to which the Bidders performed the Work in accordance with the contractual clauses and conditions, is sufficiently poor to jeopardize the successful completion of the project being bid on, by way of previous contractor performance evaluations.

In addition, the Owner may suspend the bidding privileges of a supplier with regard to non-compliant or substandard performance in accordance with section 26 of the *Public Procurement Regulations*.

3.23 Confidential Information of the Owner

All information provided by or obtained from the Owner in any form in connection with this Open Call either before or after the issuance of this Open Call:

(a) is the sole property of the Owner and must be treated as confidential;

(b) is not to be used for any purpose other than replying to this Open Call and the performance of the Agreement;

(c) must not be disclosed without prior written authorization from the Owner; and

(d) must be returned by the bidder to the Owner immediately upon the request of the Owner.

3.24 Confidential Information of Bidder

This procurement process is subject to the *Access to Information and Protection of Privacy Act, 2015* (*ATIPPA, 2015*). A bidder must identify any information in its bid or any accompanying documentation supplied in confidence for which confidentiality is requested to be maintained by the Owner. The confidentiality of such information will be maintained by the Owner, except as otherwise required by law or by order of a court or tribunal. Bidders are advised that their bids will, as necessary, be disclosed, on a confidential basis, to advisers retained by the Owner to advise or assist with the Open Call process, including the evaluation of bids.

The Bidder agrees that any specific information in its submission that may qualify for an exemption from disclosure under subsection 39(1) of the *ATIPPA, 2015* has been identified in its submission. If no specific information has been identified it is assumed that, in the opinion of the proponent, there is no specific information that qualifies for an exemption under the subsection 39(1) of the *ATIPPA, 2015*. The Bidder acknowledges that contracting with the Owner is a public process and any information provided through this process and any records the Bidder supplies to the Owner, including the terms and conditions of any Agreement entered into, may be subject to requests under the *ATIPPA, 2015*. In the event of a request to Memorial for third party business information in its custody and control, information can be withheld only if it meets all parts of the 3-part harms test for non-disclosure as stated in section 39 of the *ATIPPA, 2015*.

Information, including the financial value of a contract resulting from this procurement process, will be publicly released as part of the award notification process, in accordance with section 30 of the *Public Procurement Regulations*.

If a bidder has any questions about the collection and use of personal information pursuant to this Open Call, questions are to be submitted to the Open Call Contact. Further information relating to subsection 39(1) of the *ATIPPA, 2015* is provided in guidance documents available through the Office of the Information and Privacy Commissioner at https://oipc.nl.ca/guidance/documents.

3.25 Reserved Rights of the Owner

The Owner reserves the right to:

(a) make public the names of any or all bidders as well as bid price and value of contract;

(b) make changes, including substantial changes, to this Open Call provided that those changes are issued by way of addendum in the manner set out in this Open Call; request written clarification or the submission of supplementary written information in relation to the clarification request from any bidder and incorporate a bidder's response to that request for clarification into the bidder's bid. This shall not be an opportunity for bid repair;

(c) assess a bidder's bid on the basis of: (i) a financial analysis determining the actual cost of the bid when considering factors including quality, service, price and transition costs arising from the replacement of existing goods, services, practices, methodologies and infrastructure (howsoever originally established); and (ii) in addition to any other evaluation criteria or considerations set out in this Open Call consider any other relevant information that arises during this Open call process; and (iii) Unbalanced bids, as determined by the Owner, will be rejected (i.e. prices must fairly represent proper compensation for various items of work to be done).

(d) waive minor irregularities and formalities and accept bids that substantially comply with the requirements of this Open Call ;

(e) verify with any bidder or with a third party any information set out in a bid;

(f) check references other than those provided by any bidder;

(g) disqualify a bidder, rescind a notice of selection or terminate a contract subsequently entered into if the bidder has engaged in any conduct that breaches the process rules or otherwise compromises or may be seen to compromise the competitive process;

(h) cancel this Open Call process at any stage;

(i) cancel this Open Call process at any stage and issue a new Open Call for the same or similar deliverables;

(j) accept any bid in whole or in part; or

(k) reject any or all bids;

(l) not necessarily select the lowest or any bidder;

And these reserved rights are in addition to any other express rights or any other rights that may be implied in the circumstances.

3.26 Limitation of Liability

By submitting a bid, each bidder agrees that:

(a) neither the Owner nor any of it employees, officers, agents, elected or appointed officials,

advisors or representatives will be liable, under any circumstances, for any claim arising out of this Open Call process including but not limited to costs of preparation of the bid, loss of profits, loss of opportunity or for any other claim; and

(b) the bidder waives any right to or claim for any compensation of any kind whatsoever, including claims for costs of preparation of the bid, loss of profit or loss of opportunity by reason of the Owner's decision not to accept the bid submitted by the bidder for any reason, the Owner's decision to enter into an agreement with any other bidder or to cancel this bidding process, and the bidder shall be deemed to have agreed to waive such right or claim.

3.31 Governing Law and Interpretation

These Terms and Conditions of the Open Call Process:

(a) are intended to be interpreted broadly and independently (with no particular provision intended to limit the scope of any other provision);

(b) are non-exhaustive and shall not be construed as intending to limit the pre-existing rights of the Owner; and

(c) are to be governed by and construed in accordance with the laws of the Province of Newfoundland & Labrador and the federal laws of Canada applicable therein.

3.32 Facility Compliance Requirement

(a) Equipment, power tools, instruments and appliances intended for use within Memorial University's facilities must comply with all regulatory requirements related to use and/or installation in University facilities. This includes but is not limited to certification/listing by recognized agencies, Pressure Vessel Act of Newfoundland and Labrador and similar.

(b) Items provided related to this open call that receive power from the University's electrical system must be certified or listed for use within Canada by a recognized agency such as Canadian Standards Association (CSA) or Underwriter Laboratories Canada (ULC). A full list of agencies recognized by Memorial University is available upon request.

(c) Equipment, tools, instruments and appliances that generate pressure may require registration as a pressure system with the Province of Newfoundland and Labrador. Compliance with the Boiler, Pressure Vessel and Compressed Gas Regulations under the Public Safety Act of Newfoundland and Labrador and the Boiler, Pressure Vessel, and Pressure Piping Code CSA B51:19 shall be demonstrated.

(d) The vendor is responsible for all costs associated with ensuring the system is compliant with legislative requirements and for the application and registration processes. Field certifications may be considered but all costs and efforts for such scenarios are the responsibility of the vendor.

[End of Part 3]

PART 4 – ENVIRONMENTAL HEALTH AND SAFETY REQUIREMENTS

4.1 Maintaining a healthy and safe environment for all members of the campus community, as well as visitors, is a priority with the University. This involves a commitment from all sectors of the campus community and extends to outside agencies having occasion to come on campus to conduct business.

The following requirements will apply to all work undertaken by contractors and service personnel on any University property or for any work undertaken on behalf of the Owner.

4.1.0 Regulations, Codes and Standards

Contractors shall be familiar with and abide by provisions of various safety codes and standards applicable to the work performed and should refer to:

The Contractor shall be completely responsible for the safety of the Work as it applies to protection of the public and property and construction of the Work.

The codes that must be followed and enforced for safety are:

(a) The National Building Code, Part 8, Safety Measures at Construction and Demolition Sites (Latest Edition);

(b) Canadian Code for Construction Safety (Latest Edition) as issued by the Associate Committee of the National Building Code;

(c) The Occupational Health and Safety Act of Newfoundland and Labrador (most current version) and Regulations.

In particular, strict adherence to the Provincial Occupational Health and Safety Act and Regulations and with the National Building Code of Canada, Part 8 is required.

4.2.0 General Health and Safety Regulations

(a) Contractors/service agencies shall ensure that members of the campus community are not endangered by any work or process in which they may be engaged. Work areas shall be adequately barricaded, and if dust or fumes are generated, suitable enclosures shall be installed to contain such emissions.

(b) No material shall be stored in such a way as to obstruct walkways or represent a danger to pedestrian or vehicular traffic.

(c) Adequate protection shall be provided to prevent the possibility of goods falling from scaffolding or elevated areas. Areas where goods are being loaded or off loaded shall be barricaded or otherwise protected to prevent unauthorized entry. Appropriate warning signs must be posted.

(d) The work areas must be kept reasonably clean and free from debris which could constitute a fire hazard. Care must be taken to ensure that the work process does not activate fire

alarm detection devices. (Generation of dust and fumes can activate smoke detectors causing a false alarm).

(e) Due consideration shall be given to fire safety in buildings. Flammable goods must be kept away from sources of ignition. No work involving the use of open flame devices must be undertaken around flammable solvents of gases.

(f) Some University buildings contain asbestos and other hazardous materials. Do not alter or disturb any goods believed to contain asbestos goods (unless this is a duly authorized part of the project). Consult with University officials before proceeding with any work.

(g) Safety Data Sheets shall be procured for any hazardous product used on campus. Such sheets shall be made readily available for consultation as required under the Workplace Hazardous Materials Information System (WHMIS).

(h) Contractors are required to complete the online training module for Memorials Zero Energy Isolation Program (ZEIP) before mobilizing on site. Training can be accessed via the link: https://ooc.citl.mun.ca/enrol/index.php?id=21 .

- First time users must create an account. Click **'Create new account'**. Enter required information and click **'Create my new account'**.
- A confirmation email will be sent to the email you entered when creating your account. Open that email and click the link it contains.
- Click **'Zero energy isolation Program for Contractors'**.
- To enroll in the training, enter the enrollment key: 7653. Click **'Enroll me'**.
- Complete the training according to the instructions provided in the course.
- Successful completion certificates shall be available during auditing by Environmental Health & Safety.

NOTE: The above requirements are not to be considered all-inclusive and are considered to be complementary to the safety requirements outlined in the agreement between the University and Supplier. Certain conditions and circumstances may require adherence to additional safety requirements.

As a general requirement, contract/service personnel are expected to conduct all work on campus in a professional and safe manner and to give priority to the safety and welfare of members of the campus community.

4.3.0 Contractor Safety Management

4.3.1 All Contractors and Subcontractors to be used by the Contractor in the execution of the Contract shall be required to submit confirmation of a current third party occupational health and safety program certification (Letter of Assurance). These may include, but not be limited to, Certificate of Recognition (COR), OHSAS 18001, and CSA Z.1000.

4.3.2 All Contractors and Subcontractors shall be required to review and follow all requirements of sections 4.4.5.2. below.

4.3.3 Prior to Contract award, the Contractor will be required to provide the Information requested in 4.4.5.2. below.

4.3.4 The University reserves the right to stop any work or portion of work where no documentation can be produced on site which identifies the hazards presented by a piece of work, safe work procedures for work or certification of employees performing work. The Contractor is liable for any costs incurred by affected parties associated with such a stoppage.

4.4.0 Contractor Safety Management Element

4.4.1 Purpose

This element establishes the requirements for the administration and monitoring of contractor health and safety programs and activities at Memorial University. These measures shall ensure that contractors understand their collective responsibility with respect to the Occupational Health & Safety Act and Regulations, Memorial University policy and this element.

4.4.2 Scope

This procedure shall apply to all work done for Memorial University of Newfoundland with respect to the provision of services as outlined below. Memorial University reserves the right to exempt a Contractor from this element, in whole or in part, based upon an evaluation of the risk of the work being conducted. This evaluation must comply with the hazard identification and risk management element.

4.4.3 Definitions

Act: Newfoundland & Labrador Occupational Health & Safety Act, latest edition.
Contract: A documented agreement between Memorial University and a contractor.
Contractor: The principal contractor, person, partnership, or corporation bound to execute the work under the contract and defined as such in the agreement is responsible for the supervision of the work so as to ensure the work is carried out in accordance with the contract.
Project Management Team: The group assigned by the University to act on behalf of the owner with respect to the execution of Contractor work.
Principal Contractor: The person primarily responsible for the carrying out of a contract.
Regulations: Newfoundland & Labrador Occupational Health & Safety Regulations, latest edition.
Subcontractor: A person, firm or corporation having a direct contract with the Contractor or subcontractor(s) to perform a part or parts of the work included in the contract, or to supply products worked to a special design according to the contract documents, but does not include one who merely supplies products not so worked.

Owner: The Owner, Engineer/Architect are the persons, firms or corporation identified as such in the Contract. The term Owner, Engineer/Architect means, respectively, each of the Owner, Engineer/Architect and their authorized representatives as designated by each such party in writing.
Work: The services and job procedure completion that is described in the contract.

4.4.4 Roles and Responsibilities

4.4.4.1 Project Management Team, including Environmental Health & Safety

Will monitor the Contractor's performance for health and safety compliance. Monitoring activities may include but are not limited to:

- planned and unplanned workplace inspections;
- attendance of meetings;
- communications of safety related issues and topics, as deemed necessary;
- review of contractor records, inspections, work practices and documentation; and
- complete audits to verify that contractors and subcontractors are meeting their legislative, procedural and contractual responsibilities.

4.4.4.2 Contractors

Will comply with applicable Federal and Provincial legislation and applicable MUN safety procedures. Contractor responsibilities include but not limited to:

- report all incidents immediately to the required University project team followed by a written incident report within 24 hours;
- be responsible for the safety of subcontractors including those not under their employ;
- stop work if the conditions are such that work cannot be performed safely;
- perform evaluation, monitoring of the workplace to identify potential hazards and associated risks and ensure corrective actions are implemented;
- ensure daily task specific hazard assessments are completed; and
- maintain the accountability of persons responsible for the reporting and correction of hazards.

4.4.5 Procedure

4.4.5.1 Considerations prior to signing of contract

Prior to signing of contract, the preferred General Contractor shall provide proof of compliance with 4.4.4.2. within seven (7) calendar days. After a pre-signing start up meeting, the General Contractor shall provide proof of compliance of themselves and their subcontractors with 4.4.4.2. as well as the information requested in Section 4.4.4.2.(a)(b).

4.4.5.2 Requirements

All Contractors, and their Subcontractors, shall be required to submit confirmation of a current third party occupational health and safety program certification (Letter of Assurance). These may include, but not be limited to, Certificate of Recognition (COR), OHSAS 18001, and CSA Z.1000.

Contractors shall also provide the following:

(a) health and safety policy statement;

(b) safety program table of contents; and

(c) site hazard assessment;

The hazard assessment shall be updated by the General Contractor and re-submitted whenever the conditions, work practices or work forces change to the extent that new hazards can be identified.

In lieu of a Subcontractors 3rd party program, Contractors shall be required to integrate the Subcontractor(s) into the Contractors program and provide proof of same.

Memorial reserves the right to request and audit the full safety program of Contractors and Subcontractors and their associated documentation. This documentation may include, but not be limited to the following:

(a) safety program and/or manual

(b) applicable documented safe work practices;

(c) inspection reports and schedules;

(d) required employee safety training certifications and qualifications; and

(e) updated list of OHS Committee and/or a worker health and safety representative, or workplace health and safety designate.

Request for submission shall be complied with within 7 calendar days of a written request from Memorial’s Environmental Health and Safety unit.

Memorial reserves the right to:

(a) Reject any Contractor that fails to meet the requirements or schedules outlined herein;

(b) The University reserves the right to stop any work or portion of work where the risk presents an immediate danger.

4.4.5.3 Schedule of Submissions

General Contractors and their sub-contractors who have complied with 5.1.1 will be permitted to commence physical work on the site however no work shall be performed by the General Contractor, their sub-contractors until such a time as they comply with 5.1.1.

4.4.6 Post-Contract Evaluation

Environmental Health & Safety will determine the extent of the evaluation of the Contractor's safety performance at the completion of the contract. This evaluation will be conducted by way of a standard contractor safety evaluation form and will be supported by objective evidence documented during the term of the Contract. The records of the evaluation must be retained with the project owner.

4.5 Access To Site

4.5.1 All Contractors and Subcontractors to be used in the execution of the Contract shall give advance notification of when they will be on site. Any work to be performed outside of Regular Time must have advance approval of the Owner.

Any discontinuation of the Work which causes a Contractor or their Subcontractors to suspend operations onsite will require the following:

- Contractor/Subcontractors shall notify the Owner of the stop work date.
- Contractor/Subcontractors shall ensure the site is left in a safe and secure condition.
- Contractor/Subcontractors shall ensure that locks and tags on mechanical and/or electrical systems are removed and, where necessary, replaced by the University.
- Contractor/Subcontractors shall not return to site without expressed prior permission from the Owner.

[End of Part 4]

PART 5– GENERAL CONDITIONS

5.1 I/We hereby authorize the Owner to release names of Subcontractors, Suppliers and Manufacturers used in my/our Bid including those as listed in Appendix "D", where such information is requested from the Owner.

5.2 I/We understand that Bids that do not list major Subcontractors and Suppliers and Manufacturers where required in Appendix “D” may be rejected.

5.3 I/We reserve the right to substitute other Subcontractors and/or Suppliers and/or Manufacturers for any Subcontractor or Suppliers or Manufacturer withdrawing their Bid or becoming bankrupt after the date hereof. Any such substitutes shall be subject to the approval of the Owner and contingent upon evidence of withdrawal or bankruptcy satisfactory to the Owner.

5.4 I/We agree that upon approval by the Engineer/Architect, the Owner shall have the right to take possession of any part of the work upon its completion, except for minor deficiency items, and that such possession shall not necessarily constitute acceptance of that part of the work.

5.5 I/We understand and agree that the Owner may order changes to the work in the form of additions or deletions in accordance with the General Conditions, Supplementary General Conditions and the intent of the Contract Documents.

5.6 I/We understand and agree that the Unit Price Table in Appendix "C2" must be completed where indicated and the total amount included in my/our stipulated price for the total performance of the work under Part 4 of the Bid and Acceptance form. I/We understand that the Unit Prices include all costs and charges of every kind, including overhead and profit, to perform the items of work listed in Appendix "A". I/We also understand that these same Unit Prices will be used for additions or deletions to the actual measured quantities.

5.7 When Appendix “E” is included in the Open Call, I/we understand that bids which do not list project references, where required in Appendix “E”, will be rejected.

5.8 Corporations Act

The Corporations Act of Newfoundland and Labrador requires that an extra-provincial company be registered before it begins or carries on business in the Province. If your company is not registered, please apply for the appropriate forms and procedures to:

Commercial Registrations Division
Dept. of Government Services, PO Box 8700
St John’s, NL Canada A1B 4J6
Phone: 709-729-3317, Fax: 709-729-0232
Website: http://www.gs.gov.nl.ca/registries/companies/corp_art_inc.html

[End of Part 5]

Part 6 – Supplementary Terms and Conditions

6.1 The open call document consist of the Open Call and Acceptance Form, General Conditions of Contract, Supplementary General Conditions of Contract, Special Conditions, Campus Safety and Health Regulations, Contractors Performance Evaluation, Drawings, Specifications and any Addenda to the Contract Documents issued before the open call closing period.

6.2 Surety

6.2.1 Bid Surety

Bids shall be accompanied by a copy of a bid security by way of a Bid Bond from a surety company acceptable to the Owner and which is licensed to do business in the Province of Newfoundland and Labrador or a copy of a cheque in the amount of 10 percent of the bid price. Originals to be delivered to Memorial University post tender closing. Bid security will not be required for a total contract value of $100,000 or less (HST Excluded), unless specifically called for in the contract documents. The bid security will be returned to the bidder upon receipt of the required Performance Bond and Labour and Materials Payment Bond as per 6.2.2 below.

The terms of the bid security will be invoked and the amount retained by the Owner if: the Tenderer fails to enter into a formal agreement, where one is specified, when notified of the award of the Contract within the tender validity period; or fails to provide the required Performance Bond and Labour and Materials Payment Bond within the time specified

6.2.2 Public Work's Surety

Within seven (7) days of the issuance of the letter of acceptance, the preferred Bidder shall obtain and deliver to the Owner a Performance Bond in the amount of 50 percent of the bid price (HST Excluded) which guarantees the successful and complete performance of the Work. The Performance Bond is required as a condition of bid award. In lieu of a Performance Bond an approved certified cheque in the amount of 10 percent of the bid price may, at their option, be accepted for retention by the Owner until the successful completion of the Contract. The certified cheque will be retained until satisfactory completion of the Work including the warranty period after which it will be returned to the Contractor. Performance Bond or other such security will not be required for a contract value of $100,000 or less. No Work is to be undertaken while the above performance security remains outstanding.

Within seven (7) days of issuance of the letter of acceptance, the preferred Bidder shall obtain and deliver to the Owner a Labour and Materials Payment Bond in the amount of 50 percent of the bid price (HST Excluded). The Labour and Materials Payment Bond is required as a condition of the bid award. In lieu of a Labour and Materials Payment Bond, an approved certified cheque in the amount 10 percent of the bid price may, at their option, be accepted for retention by the Owner until successful completion of the Contract. The certified cheque will be retained until substantial completion of the Work as defined by the Mechanics Lien Act and upon receipt of an acceptable statutory declaration form stating that all labour and material obligations due and payable under the Work have been discharged, after which it will then be returned to the Contractor. Labour and Materials

Payment Bond or other such security will not be required for a contract value of $100,000 or less. No Work is to be undertaken while the above labour and materials security remains outstanding.

No interest will be paid to the preferred Bidder for any certified cheques on deposit during the period of retention.

The cost of all bid, performance and labour and materials security shall be included in the bid price

6.3 Site Visit

A site visit may occur at the time and location identified on the Request for Open Calls for Bids Information Sheet.

Questions will not be answered at the site visit.

Before submitting a bid, Bidders may carefully examine the site of the Proposed Work and fully inform themselves of the existing condition and limitations. It is the responsibility of the Bidder to report any unsatisfactory conditions in writing which may adversely affect the proper completion of the work, to opencalls@mun.ca, at least **eight (8)** days before the open call closing date. Submission of a bid shall imply acceptance of previously completed Work and the conditions of the site, and the Contractor shall, therefore, be fully responsible for executing the Work in accordance with the Contract Documents.

6.4 Substitution of Materials

6.4.1 The open call shall be based upon using the materials or products as specified without substitution, unless there is an "or approved alternate" clause. Where two or more brand names are specified, the choice shall be left to the bidder. Where only one brand name is stated, there shall be no substitution.

6.4.2 Where the Specifications include the "or approved alternate" clause, substitutions may be proposed provided that the request for a substitution is received in writing at least eight (8) days (3:00pm NST) prior to the open call closing date and shall clearly define and describe the product for which the substitution is requested. Submissions shall compare in tabular form, to the characteristics and performance criteria of the specified material.

6.4.3 It is the Bidder's responsibility to ensure that the substituted article is equivalent to the specified article with regard to design, function, appearance, durability, operation and quality.

6.4.4 Request for substitutions made after the award of the contract will be subject to the requirements of Clause 2.37.0 MATERIALS AND SUBSTITUTIONS in the General Conditions of the Contract and will only be considered under special circumstances or where it is clear, at the Engineer's/Architect's discretion, that proposed substitution will provide a substantial benefit to the Owner.

6.4.5 Approval of the substitution shall be in the form of an addendum to the Specifications.

The decision on substitutions will be final.

6.5 Completion date

6.5.1 Bidders shall state the time required to complete the Contract from time of open call award. The bidder shall, within seven (7) days after the Contract is award submit a preliminary construction schedule indicating as closely as possible the starting and completion date for the major sections of the Work.

[End of Part 6]

APPENDIX A – SPECIFICATIONS AND DRAWINGS

SPECIFICATIONS AND DRAWINGS
LOCATED AT THE END OF THIS DOCUMENT

APPENDIX B – SUBMISSION FORM

1. Bidder Information

Please fill out the following form, naming one person to be the bidder's contact for the Open Call process and for any clarifications or communication that might be necessary.	
Full Legal Name of Bidder:	
Any Other Relevant Name under which Bidder Carries on Business:	
Street Address:	
City, Province/State:	
Postal Code:	
Phone Number:	
Fax Number:	
Company Website (if any):	
Bidder Contact Name and Title:	
Bidder Contact Phone:	
Bidder Contact Fax:	
Bidder Contact Email:	

2. Offer

The bidder has carefully examined the Open Call documents and has a clear and comprehensive knowledge of the Deliverables required under the Open Call. By submitting a bid, the bidder agrees and consents to the terms, conditions and provisions of the Open Call, including the Form of Agreement, and offers to provide the Deliverables in accordance therewith at the rates set out in the completed Pricing Form (Appendix C1 and/or C2 and/or C3).

3. Rates

The bidder has submitted its rates in accordance with the instructions in the Open Call and in the Pricing Form (Appendix C1 and/or C2 and/or C3). The bidder confirms that it has factored all of the provisions of Appendix A, including insurance and indemnity requirements, into its pricing assumptions and calculations.

4. Addenda

4.1 The bidder is deemed to have read and accepted all addenda issued by the Owner. The onus is on bidders to make any necessary amendments to their bids based on the addenda. The bidder is required to confirm that it has received all addenda by listing the addenda numbers in table below:(**Listing of individually the numbers of each Addendum received in the blank space)**

NOTE: FAILURE TO COMPLETE "TABLE: ADDENDA RECEIVED" LOCATED BELOW SHALL RESULT IN BID DISQUALIFICATION:

TABLE 1.10: ADDENDA RECEIVED

Bidders who fail to complete the above table will be deemed to have not received all posted addenda and shall be deemed **non- compliant.**

5. No Prohibited Conduct

The bidder declares that it has not engaged in any conduct prohibited by this Open Call.

6. Disclosure of Information

The bidder hereby agrees that any information provided in this bid, even if it is identified as being supplied in confidence, may be disclosed where required by law or by order of a court or tribunal. The bidder hereby consents to the disclosure, on a confidential basis, of this bid by the Owner to the advisers retained by the Owner to advise or assist with the Open Call process, including with respect to the evaluation of this bid.

7. Bid Irrevocable

The bidder agrees that its tender shall be irrevocable for a period of **45** days running from the moment that the Submission Deadline passes.

8. Execution of Agreement

The bidder agrees that in the event its bid is selected by the Owner, in whole or in part, it will finalize and execute the Agreement in the form set out in Appendix A (or in a form mutually acceptable to the parties) to this Open Call in accordance with the terms of this Open Call . Failure to submit this signature section will render the proposal NON-COMPLIANT and the proposal will be disqualified.

BIDDER SIGNATURE FORM:

BIDDERS MUST COMPLETE THE BIDDER SIGNATURE FORM. ANY BIDS RECEIVED WITHOUT THE BIDDER CONTACT FORM COMPLETED WILL BE DEEMED NON- COMPLIANT

(See Part 1 section 1.8 for Electronic Signature acceptance)

Signature of Witness	Signature of Bidder Representative
Name of Witness	Name of Bidder Representative
	Title of Bidder Representative
	Date

I have the authority to bind the bidder.

IN SIGNING THIS PAGE AND SUBMITTING YOUR PROPOSAL, THE PROPONENT ACKNOWLEDGES HAVING READ, UNDERSTOOD AND AGREED TO THE TERMS AND CONDITIONS OF THIS DOCUMENT

APPENDIX C1 – PRICING FORM

1. INSTRUCTIONS ON HOW TO COMPLETE THE PRICING FORM

- Rates must be provided in Canadian Dollars
- Rates quoted by the bidder must be all-inclusive and must include all labor and material costs, all travel and carriage costs, all insurance costs, all costs of delivery to the Owner, all costs of installation and set-up, including any pre-delivery inspection charges, and all other overhead, including any fees or other charges required by law
- Owner: Having carefully examined the site and all conditions affecting the proposed work as well as the Bid Documents including the Drawings and Specifications, all Addenda and the Instructions to bidders, I/We, the undersigned, hereby offer to furnish all necessary labour, materials, superintendence, plant, tools, equipment, etc., required to complete all work requisite and necessary for the proper execution of this Contract, expeditiously and in the satisfactory manner and accept in full payment therefore a stipulated sum of:

The scope of work for Price A, Price B and Price C is outlined in the contract documents - see specification section 01 11 00 Summary of Works. The Owner reserves the right to delete any or all parts of this tender and award individual and/or combined parts.		
	Contract Bid (HST Excluded)	
Price A: Subtotal		HST EXCLUDED
Price B: Sum of Allowances (Section 01 21 00)	$20,000.00	HST EXCLUDED
Price C: Total: [$(A+B)]		HST EXCLUDED

I/We agree to commence work within two (2) weeks after the acceptance of my/our Bid and complete the work in _____weeks from the acceptance of the Bid and to coordinate the scheduling of our work with that of all Subcontractors working on the Project. The time of completion indicated herein is required and will be a significant factor in assessing bids.

2. THE DELIVERABLES:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

as per specifications listed in Appendix A

3. MANDATORY SUBMISSION REQUIREMENTS

(a) Submission Form (Appendix B)
Each bid must include a Submission Form (Appendix B) completed and signed by an authorized representative of the bidder.

(b) Each bid must include Pricing Form (Appendix C1) as per instructions on form.

(c) Where Appendix C2 and C3 are required, they must be included in bid submission.

APPENDIX C2 – UNIT RATES

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APPENDIX C2 – UNIT PRICE TABLE

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APPENDIX C3 - FURNITURE BIDDING TABLE

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APPENDIX D - LIST OF SUBCONTRACTORS

Herewith is the list of Subcontractors, Suppliers and/or Manufacturers referred to in Section no. **5.1 of Part 5 of the Open Call and Acceptance Form**. The Subcontractors and Suppliers whose bids have been used in the preparation of this Bid must be listed in full including work to be done by own forces (B.O.F.). By Own Forces will be considered valid and satisfactory only if, prior to award, the supplier provides three (3) current (< 3 years) references of satisfactory completion of trade work of similar ***scale, scope and complexity*** as that described within the Bid documents. Trade certifications may be requested in addition to the references above. The determination of suitability is entirely at the discretion of the owner and shall be based on submitted documentation. The owner may use their knowledge and understanding of experience and performance of the Contractor on past work in lieu of this submission. The list will be subject to the approval of the Owner.

NOTE: FAILURE TO COMPLETE THIS PORTION OF THE BID SUBMISSION SHALL RESULT IN DISQUALIFICATION.

The trades below, if listed, have been identified by the owner, however it is the Bidder's responsibility to identify all applicable subtrades.

TRADE/DIVISION	SUBCONTRACTOR - SUPPLIER - MANUFACTURER
Hazardous Materials Abatement	
Demolition	
Electrical	
Earthwork	

APPENDIX E – PROJECT REFERENCE (ROOFING PROJECTS ONLY)

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DEPARTMENT OF FACILITIES MANAGEMENT

GENERAL CONDITIONS

AND

AGREEMENT BETWEEN OWNER AND CONTRACTOR

FOR

THE STIPULATED PRICE CONTRACT

May 2023

GENERAL CONDITIONS AND AGREEMENT
BETWEEN OWNER AND CONTRACTOR FOR THE STIPULATED PRICE CONTRACT

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1.0 GENERAL CONDITIONS

1.1.0 DEFINITIONS

1.1.1 Contract Documents

The Contract Documents consist of the Instructions to bidders, Executed Agreement between the Owner and the Contractor, General Conditions of Contract, Supplementary General Conditions of Contract, Special Conditions, Campus Safety and Health Regulation, Contractor Performance Evaluations, Specifications, Drawings and such other documents forming part of the open call, including all amendments thereto incorporated before their execution and subsequent amendments thereto made pursuant to the provisions of the Contract or agreed upon between the parties. The successful bid and any Addenda to the Specifications issued during the bidding period shall also form part of the Contract Documents.

1.1.2 Owner, Engineer/Architect, Contractor

The Owner, Engineer/Architect and Contractor are the persons, firms or corporation identified as such in the Agreement. The term Owner, Engineer/Architect and Contractor means the Owner, Engineer/Architect and Contractor or their authorized representatives as designated by each party in writing.

1.1.3 Subcontractors

A Subcontractor is a person, firm or corporation having a direct contract with the Contractor to perform a part or parts of the Work included in the Contract, or to supply products worked to a special design according to the Contract Documents, but does not include one who merely supplies products not so worked.

1.1.4 The Project

The Project is the total construction contemplated of which the Work performed under the Contract Documents may be the whole or a part.

1.1.5 The Work

The Work means the total construction and related services required by the Contract Documents.

1.1.6 Place of Work

The Place of Work is the designated site or location of the project of which the Work may be the whole or a part.

1.1.7 Products/Materials/Equipment

The term Products/Materials/Equipment means all materials, machinery, equipment and fixtures forming the Work as required by the Contract Documents but does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work and normally referred to as construction machinery and equipment.

1.1.8 Other Contractor

The term Other Contractor means any persons, firm or corporation employed by or having a separate contract directly or indirectly with the Owner for Work other than that required by the Contract Documents.

1.1.9 Time

a) The Contract Time is the time stated in the Open Call for Bid and Acceptance Form for substantial performance of the Work.

b) The date of substantial performance of the Work is the date certified by the Engineer/Architect.

c) The term day, as used in the Contract Documents, shall mean the calendar day.

d) The term working day means any day observed by the construction industry in the area of the place of the Work.

1.1.10 Substantial Performance of the Work

A Contract shall be deemed to be substantially performed:

a) When the Work or a substantial part thereof is ready for use or is being used for the purpose intended; and

b) When the Work to be done under the Contract is capable of completion or correction at a cost of not more than:

(i) 3% (Three per centum) of the first two hundred and fifty thousand dollars ($250,000) of the Contract Price;

(ii) 2% (Two per centum) of the next two hundred and fifty thousand dollars ($250,000) of the Contract Price; and

(iii) 1% (One per centum) of the balance of the Contract Price.

c) When the Work or a substantial part thereof is ready for use or is being used for the purpose intended and where the Work cannot be completed expeditiously for

reasons beyond the control of the Contractor, the value of the remaining Work to be completed shall be deducted from the Contract Price in determining substantial performance.

1.1.11 Total Performance of the Work

Total Performance of the Work shall mean when the entire Work except those items arising from the provision **2.26.0 WARRANTY** has been performed to the requirements of the Contract Documents and is so certified by the Engineer/Architect.

1.1.12 Changes in the Work

Changes in the Work means additions, deletions or other revisions to the Work within the general scope of Work as contemplated by the Contract Documents.

1.1.13 Extra Work

Extra Work means any additional work or service, the performance of which is beyond the scope of Work as contemplated by the Contract Documents.

2.2.0 DOCUMENTS

2.2.1 The Contract Documents shall be signed in triplicate by the Owner and the Contractor.

2.2.2 Words and abbreviations which have well-known technical or trade meanings are used in the Contract Documents in accordance with such recognized meanings.

2.2.3 In the event of conflicts between Contract Documents, the following shall apply:

a) Documents of later date shall govern;

b) Figured dimensions shown on the drawings shall govern even though they may differ from scaled dimensions on the same drawing;

c) Drawings of larger scale shall govern over those of smaller scale of the same date;

d) Specifications shall govern over drawings;

e) Special Conditions shall govern over Specifications;

f) The General Conditions of Contract shall govern over Specifications;

g) Supplementary General Conditions shall govern over the General Conditions of the Contract;

h) The Executed Agreement between the Owner and the Contractor shall govern over all documents.

2.2.4 The Contractor will be provided, without charge, up to twelve (12) sets of Contract Documents or parts thereof as are reasonably necessary for the performance of the Work.

2.2.5 The Contractor shall keep a copy of all current Contract Documents and shop drawings on the site, in good order and available to the Engineer/Architect and or their representatives. This requirement shall not be deemed to include the executed Contract Documents.

2.2.6 Drawings, specifications, models and copies thereof furnished to the Contractor are to be used only with respect to the Work. Such documents and models are not to be otherwise used or revised in any manner without the written authorization of the Owner.

2.2.7 Models furnished by the Contractor at the Owner's expense are the property of the Owner.

2.3.0 ADDITIONAL INSTRUCTIONS AND SCHEDULE OF WORK

2.3.1 During the progress of the Work, the Engineer/Architect shall furnish to the Contractor such additional instructions as may be necessary to supplement the Contract Documents. All such instructions shall be consistent with the intent of the Contract Documents.

2.3.2 Additional instructions may include minor changes to the Work which affect neither the Contract Price nor the Contract Time.

2.3.3 Additional instructions may be in the form of drawings, samples, models or written instructions.

2.3.4 Additional instructions will be issued by the Engineer/Architect with reasonable promptness and in accordance with any schedule agreed upon for such instructions.

2.3.5 The Contractor shall prepare and update, as required, a construction schedule indicating the timing of major activities of the Work. The schedule shall be designed to conform with the Contract Time. The schedule shall be submitted to the Engineer/Architect within seven (7) days of the date of the Owner's letter of award. The contractor shall monitor the progress of the Work relative to the schedule and advise the Engineer/Architect of any revisions required as a result of delays, as provided for in **2.5.0 DELAYS**, and indicating what action will be taken to complete the Work within the Contract Time.

2.4.0 ENGINEER/ARCHITECT'S DECISIONS

2.4.1 The Engineer/Architect, in the first instance, shall decide on questions arising under the contract Documents and interpret the requirements therein. Such decisions shall be given in writing.

2.4.2 The Contractor shall notify the Engineer/Architect in writing within fourteen (14) days of receipt of a decision of the Engineer/Architect referred to in 2.4.1, should they hold that a decision by the Engineer/Architect is in error and/or at variance with the Contract Documents. Unless the Contractor fulfils this requirement, subsequent claims by them for extra compensation arising out of the decision will not be accepted.

2.4.3 If the question of error and/or variance is not resolved immediately, and the Engineer/Architect decides that the disputed work shall be carried out, the Contractor shall act according to the Engineer/Architect's written decision.

Any questions of change in Contract Price and/or extension of Contract Time due to such error and/or variance shall be decided as provided in **2.11.0 DISPUTES**.

2.5.0 DELAYS

2.5.1 If it can be clearly shown that the Contractor is delayed in the performance of the Work by any act or fault of the Owner, Engineer/Architect, then the Contract Time shall be extended for such reasonable time as the Engineer/Architect may decide in consultation with the Owner and the Contractor. The Contractor shall be entitled to be reimbursed for any costs incurred by them as a result of such a delay occasioned by the act or fault, provided that it can be clearly shown that the Contractor's forces cannot work efficiently elsewhere on the project and that the incurred cost is limited to that which could not reasonably have been avoided.

2.5.2 If the Contractor is delayed in the performance of the Work by a Stop Work Order issued by any court or other public authority and providing that such order was not issued as the result of any act or fault of the Contractor or of anyone employed by them directly or indirectly then the Contract Time shall be extended for such reasonable time as the Engineer/Architect may decide in consultation with the Contractor.

2.5.3 If the Contractor is delayed in the performance of the Work by civil disorders, labour disputes, strikes, lockouts, (including lockouts decreed or recommended for its members by a recognized Contractor's Association, of which the Contractor is a member) fire, unusual delay by common carriers or unavoidable casualties, or without limit to any of the foregoing, by any cause of any kind whatsoever beyond the Contractor's control, then the Contract Time shall be extended for such reasonable time as may be decided by the Engineer/Architect in consultation with the Owner and the Contractor, but in no case shall the extension of time be less than the time lost as the result of the event causing the delay, unless such shorter extension of time be agreed to by the Contractor.

2.5.4 No extension shall be made for delays unless written notice of claims is given to the Engineer/Architect within fourteen (14) days of its commencement, providing that in the case of the continuing cause of delay one notice shall be necessary.

2.5.5 If no schedule is provided under **2.3.0 ADDITIONAL INSTRUCTIONS AND SCHEDULE OF WORK**, no claim for delay will be considered because of failure to furnish instructions until fourteen (14) days after a demand for such instructions had been made and not then unless such claim is reasonable.

2.6.0 OWNER'S RIGHT TO PERFORM WORK, STOP WORK AND/OR TERMINATE CONTRACT

2.6.1 If the Contractor should be adjudged bankrupt or makes a general assignment for the benefit of creditors because of their insolvency or if a Receiver is appointed on account of their insolvency, the Owner may, without prejudice to any other right or remedy they may have, by giving the Contractor or Receiver or Trustee in Bankruptcy written notice, terminate the Contract. If a Performance Bond has been provided by the Contractor guaranteeing faithful performance of the Work, the Owner shall give written notice to the Surety invoking the terms of the bond.

2.6.2 The Owner may notify the Contractor in writing that they are in default of their contractual obligations, if the Contractor:

a) Fails to proceed regularly and diligently with the Work; or

b) Without reasonable cause wholly suspends the carrying out of the Work before the completion thereof; or

c) Refuses or fails to supply sufficient, properly skilled workmen for proper workmanship, products or construction machinery and equipment for the scheduled performance of the Work within five (5) working days of receiving written notice from the Engineer/Architect except in those cases provided in **2.5.0 DELAYS**; or

d) Fails to make payments due to their Subcontractors, their Suppliers for their workmen; or

e) Persistently disregards laws or ordinances, or the Engineer/Architect's instructions; or

f) Otherwise violates the provisions of their Contract to a substantial degree.

Such written notice by the Owner shall instruct the Contractor to correct the default within five (5) working days from the receipt of the written notice. If a Performance Bond has been provided by the Contractor, a copy of such written notice will be provided to the Surety.

2.6.3 If the correction of the default cannot be completed within the five (5) working days specified, the Contractor shall be considered to be in compliance with the Owner's instruction if they:

a) Commence the correction of the default within the specified time; and

b) Provide the Owner with an acceptable schedule for such correction; and

c) Complete the correction in accordance with such schedule.

2.6.4 If the Contractor fails to correct the default within the time specified or subsequently agreed upon, the Owner may, without prejudice to any other right or remedy they may have:

a) Correct such default and deduct the cost thereof as certified by the Engineer/Architect from any payment due under the Contract; or

b) Terminate the Contract by written notice to the Contractor. If a Performance Bond has been provided by the Contractor, the Owner will provide the Surety with a copy of such notice.

2.6.5 If the Owner terminates the Contract under the conditions set out above, they are entitled to:

a) Take possession of the premises and products and utilize the temporary buildings, plants, tools, construction machinery and equipment, goods and materials, intended for, delivered to and placed on or adjacent to the Work and may complete the Work by whatever method they may deem expedient but without undue delay or expense;

b) Withhold any further payments to the Contractor until the Work is finished;

c) Upon total performance of the Work, charge the Contractor the amount by which the full cost of finishing the Work as certified by the Engineer/Architect including compensation to the Engineer/Architect for their additional services and a reasonable allowance to cover the cost of any corrections required by **2.26.0 WARRANTY** exceeds the unpaid balance of the Contract Price; or if such cost of finishing the Work is less than the unpaid balance of the Contract Price, pay the Contractor the difference;

d) On expiry of the warranty period, charge the Contractor the amount by which the cost of corrections under **2.26.0 WARRANTY** exceeds the allowance provided for such corrections, or if the cost of such corrections is less than the allowance, pay the Contractor the difference;

e) Invoke the terms of the Performance Bond if such Bond has been provided under the Contract.

2.6.6 The Contractor's obligation under the Contract as to the performance of the Work up to the time of termination will remain in force after such termination.

2.7.0 CONTRACTOR'S RIGHT TO STOP WORK AND/OR TERMINATE CONTRACT

2.7.1 If the Owner should be adjudged bankrupt or makes a general assignment for the benefit of creditors or if a Receiver is appointed on account of their insolvency, the Contractor may, without prejudice to any other right or remedy they may have, by giving the Owner written notice, terminate the Contract.

2.7.2 If the Work should be stopped or otherwise delayed for a period of thirty (30) days or more under an order of any court or other public authority and providing that such order was not issued as the result of any act or fault of the Contractor or of anyone directly or indirectly employed by him, the Contractor may, without prejudice to any other right or remedy they may have, by giving the Owner fifteen (15) days' written notice, terminate the Contract.

2.7.3 The Contractor may notify the Owner in writing that the Owner is in default of their contractual obligations if:

a) The Engineer/Architect fails to issue a certificate in accordance with **2.16.0 CERTIFICATES AND PAYMENTS;**

b) The Owner fails to pay the Contractor when due any amount certified by the Engineer/Architect and verified by the audit of the Owner;

c) The Owner violates the provisions of the Contract to a substantial degree.

Such written notice shall advise the Owner that if such default is not corrected within fifteen (15) days from the receipt of the written notice, the Contractor may, without prejudice to any other right or remedy they may have, stop the Work and/or terminate the Contract.

2.7.4 If the Contractor terminates the Contract under the conditions set out above, they shall be entitled to be paid for all work performed including reasonable overhead and profit and for any loss sustained upon products, construction machinery and equipment and other damages as the Contractor may have sustained as a result of the termination of the Contract.

2.8.0 OTHER CONTRACTORS

2.8.1 The Owner reserves the right to let separate contracts in connection with the project of which the Work is part or do certain work by their own forces.

2.8.2 The Owner shall, in such cases, coordinate the Work and insurance coverage of other Contractors as it affects the Work of this Contract.

2.8.3 The Contractor shall coordinate their work with that of other Contractors and connect as specified or shown in the Contract Documents. Any change in the costs incurred by the Contractor in the planning and performance of such work which was not shown or included in the Contract Documents as of the date of signing the Contract, shall be evaluated as provided under **2.14.0 VALUATION AND CERTIFICATION OF CHANGES IN THE WORK** and authorized as provided in **2.13.0 CHANGES IN THE WORK AND EXTRA WORK**.

2.8.4 The Contractor shall report to the Engineer/Architect any apparent deficiencies in other Contractor's work which would affect this Contract immediately as they come to their attention and shall confirm such report in writing. Failure by the Contractor to so report shall invalidate any claims against the Owner by reason of the deficiencies of other Contractor's work except as to those of which they were not reasonably aware.

2.9.0 ASSIGNMENT

2.9.1 The Contractor shall not assign the Contract or any part thereof or any benefit or interest therein or thereunder without the written consent of the Owner.

2.10.0 SUBCONTRACTORS

2.10.1 The Contractor agrees to preserve and protect the rights of the Owner under the Contract with respect to any work to be performed under subcontract. The Contractor shall:

a) Require their Subcontractors to perform their work in accordance with and subject to the terms and conditions of the Contract Documents; and

b) Be fully responsible to the Owner for acts and omissions of their Subcontractors and of persons directly or indirectly employed by them as for acts and omissions of persons directly employed by them.

The Contractor, therefore, agrees that they will incorporate all the terms and conditions of the Contract Documents into all Subcontractor Agreements they enter into with their Subcontractors.

2.10.2 The Contractor shall employ those Subcontractors proposed by them in writing and accepted by the Owner prior to the signing of the Contract for such portions of the Work as may be designated in the bidding requirements.

2.10.3 The Owner may, for reasonable cause, object to the use of a proposed Subcontractor and require the Contractor to employ one of the other Subcontractors.

2.10.4 In the event that the Owner requires a change from any proposed Subcontractor, the Contract price shall be adjusted by the difference in cost occasioned by such required change.

2.10.5 The Contractor shall not be required to employ as a Subcontractor any person or firm to whom they may reasonably object.

2.10.6 The Engineer/Architect may, upon reasonable request and at their discretion, provide to a Subcontractor information as to the percentage of the Subcontractor's work which has been certified for payment.

2.10.7 Nothing contained in the Contract Documents shall create any contractual relationship between any Subcontractor and the Owner.

2.11.0 DISPUTES

2.11.1 Differences between the parties to the Contract as to the interpretation, application or administration of this Contract or any failure to agree where agreement between the parties is called for, herein collectively called disputes, which are not resolved in the first instances by decision of the Engineer/Architect pursuant to the provisions of **2.4.0 ENGINEER/ARCHITECT'S DECISIONS** shall be settled in accordance with the requirement of the General Conditions.

2.11.2 The Claimant shall give written notice of such dispute to the other party no later than fourteen (14) days after the receipt of the Engineer/Architect's decisions given under **2.4.0 ENGINEER/ARCHITECT'S DECISIONS**. Such notice shall set forth particulars of the matters in dispute, the probable scope, extent and value of the dispute and relevant provisions of the Contract Documents. The other party shall reply to such notice no later than fourteen (14) days after they receive or are considered to have received it, setting out in such reply their grounds and other relevant provisions of the Contract Documents.

2.11.3 Pending settlement of the dispute, the Engineer/Architect will give such instructions as, in their opinion, are necessary for the proper performance of the Work or to prevent delays pending settlement of the dispute. The parties shall act immediately according to such instructions, it being understood that by so doing neither party will jeopardize any claim they may have. If it is subsequently determined that such instructions were in error or at variance with the Contract Documents, the Owner shall pay the Contractor cost incurred by the Contractor in carrying out such instructions which they were

required to do beyond what the Contract Documents correctly understood and interpreted would have required them to do, including costs resulting from interruption of the Work.

2.11.4 It is agreed that no act by either party shall be construed as a renunciation or waiver of any of their rights or recourse, provided they have given the notices in accordance with Paragraph 2.11.2 and have carried out the instructions as provided in Paragraph 2.11.3.

2.11.5 If the dispute or claim cannot be resolved to the satisfaction of both parties, either party may refer the matter to such judicial tribunal as the circumstances require.

2.11.6 In recognition of the obligation of the Contractor to perform the disputed work as provided in Paragraph 2.11.3, it is agreed that settlement of dispute proceedings may be commenced immediately following the dispute in accordance with the aforegoing settlement of dispute procedures.

2.12.0 INDEMNIFICATION

2.12.1 Except as provided in Paragraph 2.10.2, the Contractor shall be liable for and shall indemnify and hold harmless the Owner and the Engineer/Architect, their agents and employees from and against all claims, demands, losses, costs, damages, actions, suits or proceedings whatsoever arising under any statute or Common law.

a) In respect of personal injury to or the death of any person whomsoever arising out of or in the course of or caused by the carrying out of the Work; and

b) In respect of any injury or damage whatsoever to any property, real or personal or any chattel real, insofar as such injury or damage arises out of or in the course of or by reason of the carrying out of the Work.

2.12.2 The Contractor shall not be liable under Paragraph 2.12.1 if the injury, death, loss or damage is due to any act or neglect of the Owner or Engineer/Architect, their agents or employees.

2.13.0 CHANGES IN THE WORK AND EXTRA WORK

2.13.1 The Owner may, without invalidating the Contract, make changes by altering, adding to or deducting from the Work, with the Contract Price and the Contract Time being adjusted accordingly; and

2.13.2 No change in the Work shall be made without prior written order from the Owner, and no claim for an addition or deduction to the Contract Price or change in the Contract Time shall be valid unless so ordered and at the same time valued or agreed to be valued as provided in **2.14.0 VALUATION AND CERTIFICATION OF CHANGES IN THE WORK.** Signed faxed copies are acceptable at the discretion of the Owner.

2.14.0 VALUATION AND CERTIFICATION OF CHANGES IN THE WORK

2.14.1 The value of any change shall be determined in one or more of the following methods:

a) By estimate and acceptance in a lump sum;

b) By unit prices subsequently agreed upon;

c) By cost and a fixed or percentage fee.

In the case of changes in the Work valued as outlined in Paragraph 2.14.1(a) (as will be the usual case), the Contractor will submit an itemized estimate of all materials and labour (including Subcontractor's work) to complete the change.

In the case of changes in the Work as valued in Paragraph 2.14.1 (c), the Contractor shall submit detailed invoices, vouchers and time sheets for all materials and labour to complete the change.

The submissions in both cases shall be in the manner acceptable to the Engineer/Architect and will show separately the following percentages for overhead and profit:

(i) Subcontractors shall include, in the breakdown, their 15 percent mark-up (10 percent of the estimated cost for the overhead and 5 percent for profit).

(ii) The Contractor shall include, in the breakdown, the percentages as outlined in (i) for the overhead and profit on their portion of the Work.

(iii) The Contractor shall add 10 percent to the Subcontractor's pricing for their own profit and overhead combined.

2.14.2 Notwithstanding the provisions of Paragraph 2.14.1, in case of changes in the Work, the amount charged for equipment rentals shall be that provided in the rental Contract, and no additional amount shall be paid as markup for overhead or profit for the Contractor or Subcontractor.

2.14.3 When a change in the Work is proposed or required, the Contractor shall present to the Engineer/Architect for approval their claim for the change in the Contract Price and/or change in the Contract Time in a form acceptable to the Engineer/Architect and including the appropriate documentation. The Engineer/Architect shall satisfy themselves as to the correctness of such claim, and when approved by the Owner, a change order will be issued to the Contractor to proceed with the change. The value of Work performed in the change shall be included for payment with the regular certificates for payment.

2.14.4 In the case of changes in the Work to be paid for under methods (b) and (c) of Paragraph 2.14.1, the form of presentation of costs and methods of measurement shall be agreed to by the Engineer/Architect and Contractor before proceeding with the change. The Contractor shall keep accurate records, as agreed upon, of quantities or costs and present an account of the cost of the change in the Work, together with vouchers where applicable.

2.14.5 If the method of valuation, measurement and the change in Contract Price and/or change in Contract Time cannot be promptly agreed upon, and the change is required to be proceeded with, then the valuation, measurement and the change in Contract Price and/or Contract Time will be subject to final determination in the manner set out in **2.11.0 DISPUTES**. In this case, the Engineer/Architect shall, with the consent of the Owner, issue a written authorization for the change setting out the method of valuation and, if by lump sum, their valuation of the change in Contract Price and/or Contract Time.

2.14.6 In the case of a dispute in the valuation of a change authorized in the Work and pending final determination of such value, the Engineer/Architect shall certify the value of the Work performed in accordance with their own evaluation of the change and include the amount with the regular certificates for payment. The Contractor shall keep accurate records of quantities and cost of such work.

2.14.7 It is intended in all matters referred to above that both the Engineer/Architect and Contractor shall act promptly.

2.14.8 Should the Owner direct the Contractor not to correct work that has been damaged or that was not performed in accordance with the Contract Document, an equitable deduction from the Contract amount by the Architect/Engineer shall be made to compensate the Owner for the uncorrected or uncompleted work.

2.14.9 Credits will be based on the net cost of material and labour or the net difference in the unit price quantities.

2.15.0 APPLICATION FOR PAYMENT

2.15.1 Applications for payment on account may be made monthly as the Work progresses.

2.15.2 Applications for payment shall be made monthly on a date to be agreed upon between the Owner and the Contractor, and the amount claimed shall be for the value proportionate to the amount of the Contract, of the Work performed and products delivered to the site at that date.

2.15.3 The Contractor shall submit to the Engineer/Architect, before the first application for payment, a schedule of values of the various parts of the Work aggregating the total amount of the Contract Price and divided so as to facilitate evaluation of applications for payment.

2.15.4 This schedule shall be made out in such form and supported by such evidence as to its correctness as the Engineer/Architect may reasonably direct and, when approved by the Engineer/Architect, shall be used as the basis for application for payment.

2.15.5 When making application for payment, the Contractor shall submit a statement based upon this schedule. Claims for products delivered to the site but not yet incorporated into the Work shall be supported by such evidence as the Engineer/Architect may reasonably require to establish the value and delivery of the products.

2.15.6 With each monthly claim for payment, except the first, the Contractor shall submit a Statutory Declaration attesting that they have made all payments to Subcontractors, Suppliers, and workmen on behalf of whom amounts were included in the previous claim for payment.

2.15.7 Applications for release of holdback monies following the substantial performance of the Work and the application for final payment shall be made at the time in the manner set forth in **2.16.0 CERTIFICATES AND PAYMENTS**.

2.15.8 For **all** projects, it should be clearly understood that the University's policy is as follows:

a) Each Progress Claim must be accompanied by a breakdown indicating amounts included for each Subcontractor;

b) When the University makes a Progress Payment, it is made in prorated amounts on behalf of those Subcontractors for whom amounts have been included in the corresponding Progress Claim;

c) The Contractor submitting the Progress Claim **must** make payment of the amounts included for the various Subcontractors to the various Subcontractors within ten (10) working days of issuance of the Progress Payment by the University.

d) Monthly payment amounts are not final or conclusive as to their value or quality of work performed and are subject to reopening and readjustment

2.15.9 Contractors not following the above procedures will be considered to be in default of their Contract, and the University may proceed in accordance with **Article 2.6.0 OWNER'S RIGHT TO PERFORM WORK, STOP WORK AND/OR TERMINATE CONTRACT** Subsection **2.6.2 (d)** of the General Conditions.

2.16.0 CERTIFICATES AND PAYMENTS

2.16.1 The Engineer/Architect shall, within ten (10) days of receipt of an application for payment from the Contractor submitted in accordance with **2.15.0 APPLICATION FOR PAYMENT**, issue a certificate for payment in the amount applied for or such amount as they shall determine to be properly due. If the Engineer/Architect amends the application, they shall promptly notify the Contractor in writing, giving their reason(s) for the amendment.

2.16.2 The Owner shall, within thirty (30) days of receipt and approval by the Owner of a certificate for payment from the Engineer/Architect, make payment to the Contractor on account.

2.16.3 Notwithstanding any other provisions of the Contract:

a) Where legislation permits and where, upon application by the Contractor, the Engineer/Architect has certified that a Subcontract has been totally performed to their satisfaction prior to the Substantial Performance of this Contract, the Owner may, at their discretion, pay the Contractor the holdback retained for such Subcontractor on the day following the expiration of the Statutory Limitations Period stipulated in the Mechanic's Lien Act applicable to the place of the Work and subject to the following conditions:

(i) A copy of the Contract between the Subcontractor and the General Contractor must be submitted.

(ii) The Subcontract is completed without deficiencies.

(iii) The warranty for the Subcontract will not start until Substantial Performance of the General Contract.

(iv) The General Contractor provides an approved Statutory Declaration that all monies have been paid to the said Subcontractor.

(v) The General Contractor provides an approved Waiver of Lien from this Subcontractor.

(vi) The Contractor and the Subcontractor provide an approved Waiver of Claim for all work associated with this Subcontractor.

(vii) A certificate is issued by the Engineer/Architect indicating that the Subcontract has been totally completed to their satisfaction.

(viii) The Owner will, at that time, release the total amount specified on the Subcontractor's Contract.

2.16.4 Notwithstanding the provisions of Paragraph 16.3 (a) and notwithstanding the wording of such certificate, the Contractor shall ensure that such work is protected pending the Total Performance of the Contract and be responsible for the correction of any defects in it regardless of whether or not they were apparent when such certificates were issued.

2.16.5 The Engineer/Architect shall within ten (10) days of receipt of an application from the Contractor for a Certificate of Substantial Performance make an inspection and assessment of the Work to verify the validity of the application. The Engineer/Architect shall within seven (7) days of their inspection notify the Contractor of their approval or the reasons for their disapproval of the application. When the Engineer/Architect finds the Work to be substantially performed, they shall issue such a certificate. The date of this certificate shall be the date of Substantial Performance of the Contract. Immediately following the issuance of the Certificate of Substantial Performance, the Engineer/Architect, in consultation with the Contractor, shall establish a reasonable date for the Total Performance of the Contract.

2.16.6 Following the issuance of the Certificate of Substantial Performance and upon receipt from the Contractor of all documentation called for in the Contract Documents, the Engineer/Architect shall issue a Certificate for Payment of holdback monies, providing that no lien or privilege claims against the Work exists, that the Contractor has submitted to the Owner a sworn statement that all accounts for labour, Subcontracts, products, construction machinery and equipment and any other indebtedness which may have been incurred by the Contractor in the Substantial Performance of the Work and for which the Owner might in any way be held responsible, have been paid in full and that the Contractor has submitted to the Owner a waiver of all claims associated with this project except holdback monies properly retained. The holdback monies will become due and payable on the day following the expiration of the Statutory Limitation Period stipulated in the Mechanic's Lien Act applicable to the place of buildings. The Owner may retain out of such holdback monies any sum required by law to satisfy any liens against the Work or other monetary claims against the Contractor which may be enforceable against the Owner.

2.16.7 The Engineer/Architect shall, within ten (10) days of receipt of an application from the Contractor for payment upon Total Performance of the Contract, make an inspection and assessment of the Work to verify the validity of the application. The Engineer/Architect shall, within seven (7) days of their inspection, notify the Contractor of their approval or the reasons for their disapproval of the application. When the Engineer/Architect finds the Work to be totally performed to their satisfaction, they shall issue a Certificate of Total Performance and certify for payment the remaining monies due to the Contractor under the Contract, less any holdback monies which are required to be retained. The date of this certificate shall be the date of Total Performance of the Contract. The Owner shall, within thirty (30) days of issuance of such certificate, make payment to the Contractor in accordance with the provisions of the Contract.

2.16.8 The release of any remaining holdback monies shall become due and payable on the day following the expiration of the Statutory Limitation period stipulated in the

Mechanics' Lien Act of the place of building provided that no claims against the Work exists and that the Contractor has submitted to the Owner a sworn statement that all accounts for labour, Subcontractors, products, construction machinery and equipment and any other indebtedness which may have been incurred by the Contractor in the Total Performance of the Work and for which the Owner might in any way be held responsible have been paid in full, except holdback monies properly retained.

2.16.9 No certificate for payment, any payment made thereunder or any partial or entire use of occupancy of the Work by the Owner shall constitute an acceptance of any work or products not in accordance with the Contract Documents.

2.16.10 As of the date of Total Performance of the Work as set out in the Certificate of Total Performance of the Work, the Owner expressly waives and releases the Contractor from all claims against the Contractor including, without limitation, those that might arise from the negligence or breach of Contract by the Contractor except one or more of the following:

a) Those made in writing prior to the date of the Total Performance of the Work and still unsettled;

b) Those arising from the provisions of **2.12.0 INDEMNIFICATION** or **2.26.0 WARRANTY**;

c) Those made in writing within a period of six (6) years from the date of Substantial Performance of the Work, as set out in the Certificate of Substantial Performance of the Work or within such shorter period as may be prescribed by any Limitation Statute of the Province of Newfoundland and Labrador and arising from any liability of the Contractor for damages resulting from their performance of the Contract with respect to substantial defects or deficiencies in the Work for which the Contractor is proven responsible.

As used herein, "substantial defects or deficiencies" means those defects or deficiencies in the Work which affect the Work to such an extent or in such manner that a significant part or the whole of the Work is unfit for the purpose intended by the Contract Documents.

2.16.11 As of the date of Total Performance of the Work, as set out in the Certificate of Total Performance of Work, the Contractor expressly waives and releases the Owner from all claims against the Owner including, without limitation, those that might arise from the negligence or breach of Contract by the Owner except those made in writing prior to the Contractor's application for payment upon Total Performance of the Work and still unsettled.

2.16.12 In the event of conflict between the provisions of the General Conditions and **2.24.0 DAMAGES AND MUTUAL RESPONSIBILITY**, the provisions of this General Condition shall govern.

2.16.13 The holdback to be used by the Engineer/Architect when issuing certificates of payment will be ten (10) percent of the value of the Work completed at the date of Contractor's claim.

2.16.14 Notwithstanding any other provision of this Contract, the Owner may:

a) In the event of a claim by the Owner against the Contractor for damages arising out of the performance or non-performance of the Contract, withhold payment of any amount equal to the alleged damages until the liability for damages is established, and no amount of interest will be paid on amounts held under this Clause;

b) Set-off amounts owing by the Contractor to the Owner;

c) Following the issuance of the Certificate of Substantial Performance, withhold payment of an amount equal to twice the cost as estimated by the Engineer/Architect of remedying deficiencies until the issuance of a Certificate of Total Performance, and no amount of interest will be paid on amounts held under this Clause.

2.17.0 TAXES AND DUTIES

2.17.1 Unless otherwise stated in the Supplementary General Conditions, the Contractor shall pay all applicable government sales taxes, goods and services taxes, customs duties and excise taxes with respect to the Contract.

2.17.2 Any increase or decrease in costs to the Contractor due to changes in such taxes and duties after the date of the Agreement and up to the agreed date of completion shall increase or decrease the Contract Price accordingly. If the Owner so desires, the Contractor is to cooperate with the Engineer/Architect and Owner and permit access to books and records in order to establish the amount of such taxes involved.

2.17.3 The Contractor shall maintain full records of their estimates and of actual costs to them of the Work, together with all proper open calls, quotations, contracts, correspondence, invoices, receipts, payments to Subcontractors and Suppliers and vouchers relating thereto and shall make them available to audit and inspection by the Owner, the Auditor General for Newfoundland and Labrador or by persons acting on their behalf and shall furnish them with any information which they may require from time to time in connection with such records.

2.18.0 LAWS, NOTICES, PERMITS AND FEES

2.18.1 The laws of the Province of Newfoundland and Labrador shall govern the Work.

2.18.2 The Contractor shall obtain all permits, licenses and certificates and pay all fees required for the performance of the Work which are in force at the date of open call closing with the following exceptions:

a) The Contractor shall obtain building permits for the Work but are not required to pay for said permits.
b) The Contractor shall not include the obtaining of permanent easements or rights of servitude.

2.18.3 The Contractor shall give all required notices and comply with all laws, ordinances, rules, regulations, codes and order of all authorities having jurisdiction relating to the Work, to the preservation of the public health and construction safety which are or become in force during the performance of the Work.

2.18.4 The Contractor shall not be responsible for verifying that the Contract Documents are in compliance with the applicable laws, ordinances, rules, regulations and codes relating to the Work. If the Contract Documents are a variance therewith or changes which necessitate modifications to the Contract Documents are required by the authorities having jurisdiction subsequent to the Open call closing date, the Contractor shall notify the Engineer/Architect in writing requesting direction immediately when any such variance or change is observed by them. The Engineer/Architect will make the changes required to the Contract Documents, and the Contract Price and/or Contract Time shall be adjusted in accordance with **2.13.0 CHANGES IN THE WORK AND EXTRA WORK** and evaluated in accordance with **2.14.0 VALUATION AND CERTIFICATION OF CHANGES IN THE WORK**.

2.18.5 If the Contractor fails to notify the Engineer/Architect in writing and obtain their direction as required in 2.18.4 and performs any work knowing it to be contrary to any laws, ordinances, rules, regulation, codes and orders of any authority having jurisdiction, they shall be responsible for and shall correct any violations thereof and shall bear all costs, expense and damages, attributable to their failure to comply with the provisions of such laws, ordinances, rules, regulations, codes and orders.

2.19.0 PATENT FEES

2.19.1 The Contractor shall pay all royalties and patent license fees required for the performance of the Contract and such royalties or fees shall be deemed to have been included in the Contract Price. They shall hold the Owner harmless from and against all claims, demands, losses, costs, damages, actions, suits or proceedings arising out of the Contractor's performance of the Contract which are attributable to an infringement or an alleged infringement of any patent or invention by the Contractor or anyone for whose acts they may be liable.

2.19.2 The Owner shall hold the Contractor harmless against all claims, demands, losses, costs, damages, actions, suits or proceedings arising out of the Contractor's performance of the Contract which are attributable to an infringement or an alleged

infringement of any patent or invention in executing anything for the purpose of the Contract, the model, plan or design of which was supplied to the Contractor by the Owner.

2.20.0 WORKERS' COMPENSATION

2.20.1 The Contractor shall be registered with and shall remain in good standing with the Workplace Health and Safety Compensation Commission during the term of their Contract.

2.20.2 At any time during the term of the Contract when requested by the Owner, the Contractor shall provide evidence of compliance by themselves and any or all of their Subcontractors.

2.21.0 LIABILITY INSURANCE

2.21.1 Comprehensive General Liability Insurance

a) Without restricting the generality of **2.12.0 INDEMNIFICATION**, the Contractor shall provide and maintain, either by way of a separate policy or by an endorsement to their existing policy, Comprehensive General Liability Insurance acceptable to the Owner and subject to limits set out in detail below, inclusive per occurrence for bodily injury, death and damage to property including loss of use thereof.

b) The insurance shall be in the joint names of the Contractor and the Owner. It shall also cover as named Insureds all Subcontractors and anyone employed directly or indirectly by the Contractor or their Subcontractors to perform a part or parts of the Work but excluding Suppliers whose only function is to supply and/or transport products to the project site.

c) The insurance shall also include as Named Insureds the architectural and engineering consultants of the Owner and Engineer/Architect.

d) The insurance shall preclude subrogation claims by the Insurer against anyone insured thereunder.

e) The Comprehensive General Liability Insurance will not be limited to, but shall include coverage for:

(i) Premises and Operations Liability

(ii) Products or Completed Operations Liability

(iii) Blanket Contractual Liability

(iv) Cross Liability

(v) Elevator and Hoist Liability

(vi) Contingent Employer's Liability

(vii) Personal Injury Liability arising out of false arrest, detention or imprisonment or malicious prosecution, libel, slander or defamation of character, invasion of privacy or wrongful entry

(viii) Shoring, blasting, excavating, underpinning, demolition, pile driving and caisson work, work below ground surface, tunnelling and grading, as applicable

(ix) Liability with respect to non-owned, licensed vehicles.

2.21.2 The Contractor shall provide and maintain liability insurance in respect of owned licensed vehicles subject to limits set out in detail in Article **2.21.0 LIABILITY INSURANCE** subsection **2.21.6.**

2.21.3 All liability insurance shall be maintained continuously until twelve (12) months after the date the Engineer/Architect issues a Certificate of Substantial Performance.

2.21.4 The Contractor shall provide the Owner with evidence of all liability insurance prior to the commencement of the Work and shall promptly provide the Owner with a certified true copy of each insurance policy.

2.21.5 All liability insurance policies shall contain an endorsement to provide all Named Insureds with prior notice of changes and cancellations. Such endorsements shall be in the following form:

"It is understood and agreed that the coverage provided by this policy will not be changed or amended in any way nor cancelled until thirty (30) days after written notice of such change or cancellation shall have been given to all Named Insureds."

2.21.6 The Contractor shall protect themselves and indemnify and save the Owner harmless from any and all claims which may arise from the Contractor's performance or failure of performance of the Contract and for this purpose shall, without restricting the generality of the foregoing, maintain insurance acceptable to the Owner to the following limits:

a) Where the contract value exceed $100,000 (inclusive of HST)
   - Comprehensive General Liability = $3,000,000.00;
   - Standard Automobile Policy Liability = $3,000,000.00.

b) Where the contract value is less than $100,000 (inclusive of HST)
   - Comprehensive General Liability = $2,000,000.00;
   - Standard Automobile Policy Liability = $2,000,000.00.

Prior to the commencement of any work hereunder, the Contractor shall file with the Owner a copy of each insurance policy and certificate required.

2.22.0 PROPERTY INSURANCE

2.22.1 The Contractor shall provide and maintain property insurance acceptable to the Owner insuring the full value of the Work in the amount of the replacement cost or the Contract value, whichever is greater, and the full value as stated of products for incorporation into the Work. The insurance shall be in the joint names of the Contractor, the Owner, the Subcontractors as Unnamed Insured or, if they specifically request, as Named Insured. The policies shall preclude subrogation claims by the Insurer against anyone insured thereunder.

2.22.2 Such coverage shall be provided by EITHER an ALL RISKS Builders' Risk Policy OR by a combination of a Coverage and Malicious Damage Endorsements and a Builder's Risk Difference in Conditions Policy providing equivalent coverage of Piers, Wharves and Docks, Government Structures Policy.

2.22.3 The policies shall insure against all risks of direct loss or damage. Such coverage shall apply to:

a) All products, labour and supplies of any nature whatsoever, the property of the Insureds or of others for which the Insureds may have assumed responsibility, to be used in or pertaining to the site preparations, demolition of existing structures, erections and/or fabrication and/or reconstruction and/or repair of the insured project, while on the site or in transit, subject to the exclusion of the property specified.

b) The installation, testing and any subsequent use of machinery and equipment including boilers, pressure vessels or vessels under vacuum.

c) Damage to the Work caused by an accident to and/or the explosion of any boiler(s) or pressure vessel(s) forming part of the Work.

Such coverage shall exclude construction machinery, equipment, temporary structural and other temporary facilities, tools and supplies used in the construction of the Work and which are not expendable under the Contract.

2.22.4 The Contractor shall provide the Owner with evidence of all insurance prior to the commencement of the Work and shall promptly provide the Owner with a certified true copy of each insurance policy.

Policies provided shall contain an endorsement to provide all Named Insureds with prior notice of changes and cancellations. Such endorsements shall be in the following form:

> **"It is understood and agreed that the coverage provided by this policy will not be changed or amended in any way or cancelled until thirty (30) days after written notice of such change or cancellation shall have been given to all Named Insureds."**

2.22.5 All such insurance shall be maintained continuously until ten (10) days after the date the Engineer/Architect issues a certificate of Total Performance. All such insurance shall provide for the Owner to take occupancy of the Work or any part thereof during the terms of this insurance. Any increase in the cost of this insurance arising out of such occupancy shall be at the Owner's expense.

2.22.6 The policies shall provide that, in the event of a loss, payment for damage to the Work shall be made to the Owner and the Contractor as their respective interests may appear. Damage shall not affect the rights and obligations of either party under the Contract except that the Contractor shall be entitled to such reasonable extension of time for Substantial and Total Performance of the Work as the Engineer/Architect may decide.

2.22.7 The Contractor and/or their Subcontractors, as may be applicable, shall be responsible for any deductible amounts under the policies and for providing such additional insurance as may be required to protect the Insureds against loss on items excluded from the policies.

2.22.8 When this Contract pertains to a new building or structure with a total bid amount greater than $25,000.00, the Contractor shall maintain All Risk Builder's Risk Insurance acceptable to the Owner in the joint names of the Owner and Contractor in the amount of 100 percent of the total value of the Work done and material delivered to the site and payable to the Owner and Contractor as their respective interest may appear.

2.23.0 PROTECTION OF WORK AND PROPERTY

2.23.1 The Contractor shall protect the property adjacent to the project site from damage as the result of their operations under the Contract.

2.23.2 The Contractor shall protect the Work and the Owner's property from damage and shall be responsible for any damage which may arise as the result of their operations under the Contract except damage which occurs as the result of:

a) Errors in the Contract documents; and/or

b) Acts or omissions by the Owner, their agents, employees or other Contractors.

2.23.3 Should the Contractor, in the performance of this Contract, damage the Work and/or Owner's property and/or property adjacent to the place of the Work, the Contractor shall be responsible for making good such damage at their own expense or pay all costs incurred by others in making good such damage.

2.23.4 Should any damage occur to the Work and/or Owner's property for which the Contractor is not responsible as provided in of **2.12.0 INDEMNIFICATION**, they shall make good such damage to the Work and, if the Owner so directs, to the Owner's property, and the contract Price and Contract Time shall be adjusted in accordance with in **2.13.0 CHANGES IN THE WORK AND EXTRA WORK** and evaluated in accordance with in **2.14.0 VALUATION AND CERTIFICATION OF CHANGES IN THE WORK**.

2.23.5 The Contractor shall be completely responsible for the safety of the Work as it applies to protection of the public and property and construction of the Work.

The codes that must be followed and enforced for safety are:

a) The National Building Code, Part 8, Safety Measures at Construction and Demolition Sites (Latest Edition);

b) Canadian Code for Construction Safety (Latest Edition) as issued by the Associate Committee of the National Building Code;

c) The Occupational Health and Safety Act (1979) and Regulations.

2.23.6 Any person not following stipulated safety regulations shall be dismissed.

2.24.0 DAMAGES AND MUTUAL RESPONSIBILITY

2.24.1 If either party to this Contract should suffer damage in any manner because of any wrongful act or neglect of the other party or anyone employed by them then they shall be reimbursed by the other party for such damages. The party reimbursing the other party shall be subrogated to the rights of the other party in respect of such wrongful act or neglect if it be that of a third party.

2.24.2 Claims under this Contract shall be made in writing to the party liable within two (2) weeks after the first observance of such damage and may be adjusted by agreement or in the manner set out in **2.11.0 DISPUTES**.

2.24.3 If the Contractor has caused damage to any other Contractor on the Work, the Contractor agrees upon due notice to settle with such other Contractor by agreement or arbitration, if they will so settle. If such other Contractor sues the Owner on account of any damage alleged to have been sustained, the Owner shall notify the Contractor and may require the Contractor to defend the action at the Contractor's expense. If

any final order or judgment against the Owner arises therefrom, the Contractor shall pay or satisfy it and pay all costs incurred by the Owner.

2.24.4 If the Contractor becomes liable to pay or satisfy any final order, judgment or award against the Owner then the Contractor, upon undertaking to indemnify the Owner against any and all liability for costs, shall have the right to appeal in the name of the Owner such final order or judgment to any and all courts of competent jurisdiction.

2.24.5 Should the Contractor fail to meet the date to substantially perform the Work, as indicated in the Agreement between the Owner and the Contractor, and is unable to provide justification acceptable to the Owner for the delay then the Contractor will be held liable for any liquidated damage amount indicated in **3.0 SUPPLEMENTARY GENERAL CONDITIONS** and may be held liable for payment to the Owner for other damages and losses suffered by the Owner as a result of the Contractor's delay including additional costs for Engineering/Architectural supervision.

2.25.0 BONDS

2.25.1 The Contractor shall promptly provide the Owner the surety bonds called for in the Open call Documents.

2.25.2 All such bonds shall be issued by a duly incorporated surety company approved by the Owner and authorized to transact a business or surety-ship in the Province of Newfoundland and Labrador.

2.25.3 If bonds are called for in the and Acceptance form, Instructions to Bidders or Supplementary General Conditions, the costs attributable to providing such bonds shall be included in the bid price.

2.25.4 Should the Owner require the provision of a bond or bonds by the Contractor other than those provided for under 2.25.3, the Contract Price shall be increased by all costs attributable to providing such bonds.

2.26.0 WARRANTY

2.26.1 The Contractor shall be responsible for the proper performance of the Work to the extend that the design and specifications permit such performance.

2.26.2 Subject to Paragraph 2.26.1, the Contractor agrees to correct promptly, at their own expense, defects or deficiencies in the Work which appear prior to and during the period of one (1) year from the date of Substantial Performance of the Work or such longer periods as may be specified for certain products or work.

2.26.3 The Contractor shall correct and/or pay for any damage to other work resulting from any corrections required under the conditions of Paragraph 2.26.2.

2.26.4 Neither the Engineer/Architect's final certificate nor payment thereunder shall relieve the Contractor from their responsibility hereunder.

2.26.5 The Owner and/or Engineer/Architect shall give the Contractor written notice of observed defects promptly.

2.27.0 CONTRACTOR'S RESPONSIBILITIES AND CONTROL OF THE WORK

2.27.1 The Contractor shall have complete control of the Work and shall effectively direct and supervise the Work so as to ensure conformance with the requirements of the Contract Documents. They shall be solely responsible for all construction means, methods, techniques, sequences and procedures and for coordinating all parts of the Work under the Contract.

2.27.2 The Contractor shall have the sole responsibility for the design, erection, operation, maintenance and removal of temporary structural and other temporary facilities and the design and execution of construction methods required in their use. The Contractor shall engage and pay for registered professional engineering personnel skilled in the appropriate disciplines to perform these functions where required by law or by the Contract Documents and, in all cases, where such temporary facilities and their method of construction are of such a nature that professional engineering skill is required to produce safe and satisfactory results.

2.27.3 Notwithstanding the provision of Paragraphs 2.27.1 and 2.27.2 above or any provisions to the contrary elsewhere in the Contract Documents where such Contract Documents include designs for temporary structural and other temporary facilities or specify a method of construction in whole or in part, such facilities and methods shall be deemed to comprise part of the overall design of the Work, and the Contractor shall not be held responsible for that part of the design or the specified method of construction. The Contractor shall, however, be responsible for the execution of such design or specified method of construction in the same manner that they are responsible for the execution of the Work.

2.27.4 The Contractor shall carefully examine the Contract Documents and shall promptly report to the Engineer/Architect any error, inconsistency or omission they may discover. The Contractor shall not be held liable for any damage resulting from any such errors, inconsistencies or omissions in the Contract Documents which they may discover, and they shall not proceed with the Work affected until they have received corrected or missing information from the Engineer/Architect.

2.28.0 PROJECT MANAGER ANDSUPERINTENDENCE

2.28.1 The Contractor shall employ a competent Project Manager and necessary assistants who shall be in attendance at the Work site at all times while the Work is being performed.

2.28.2 The Project Manager shall be satisfactory to the Engineer/Architect and shall not be changed except for good reason and only then after consultation with an agreement by the Engineer/Architect.

The Project Manager shall have a minimum of ten (10) years' experience on construction projects of similar scale, complexity, type and value.

The project manager shall submit a resume and cover letter.

2.28.3 The Superintendent shall represent the Contractor at the place of work and instructions given to them by the Engineer/Architect shall be held to have been given to the Contractor. Important instructions shall be confirmed to the Contractor in writing, other instructions will be so confirmed if requested.

The superintendent shall have a minimum of ten (10) years' experience on construction projects of similar scale, complexity, type and value.

2.29.0 LABOUR AND PRODUCTS

2.29.1 Unless otherwise stipulated elsewhere in the Contract Documents, the Contractor shall provide and pay for all labour, products, tools, construction equipment and machinery, water, heat, light, power, transportation and other facilities and services necessary for the requirements of the Contract Documents.

2.29.2 All products provided shall be new unless otherwise specified in the Contract Documents. Any products which are not specified shall be of a quality best suited to the purpose required, and their use shall be subject to the approval of the Engineer/Architect.

2.29.3 In carrying out their duties under this Contract, the Contractor shall comply with all Provincial and Federal legislation respecting labour and the employment of labour, where applicable, including the Labour Standards Code and shall not operate in conflict with the Human Rights legislation. In the employment of labour, preference should be given to persons normally residing in Newfoundland and Labrador.

2.29.4 The Contractor and Subcontractors shall maintain and keep available for inspection by the Owner, a record of the names and addresses of all persons employed on the project.

2.29.5 The Contractor shall maintain good order and discipline among their employees engaged on the Work and shall employ on the Work only employees skilled in their various trades.

2.29.6 There shall be no discrimination in the selection of workers for employment on the project in respect to race, religion, views or political affiliation, and the office of the Canada Manpower will be used in the recruitment of workers wherever possible.

2.29.7 The Contractor shall pay fair wages and shall pay rates of wages and allowances to the various classes of labour not less favourable than those prevailing in the area where the Work is being performed.

2.29.8 The Contractor shall be aware that the majority of hourly-paid and maintenance workers employed within the University are unionized. It is of utmost importance that

any labour force used by the Contractor neither disrupts or be disrupted by any labour conditions existing on the University campus. Failure by the Contractor to familiarize themselves with labour conditions on Campus or disruptions to the Contractor's own labour force because of labour conditions on Campus will not relieve them of their obligations to furnish all labour and materials necessary to carry out the requirements of the Contract.

2.30.0 SUBSURFACE CONDITIONS

2.30.1 The Contractor shall promptly notify the Engineer/Architect in writing if, in their opinion, the subsurface conditions at the project site differ materially from that indicated or reasonably inferred from the Contract Documents.

2.30.2 After prompt investigation, should the Engineer/Architect determine that conditions do differ materially, they shall issue appropriate instructions for changes in the Work as provided for in **2.13.0 CHANGES IN THE WORK AND EXTRA WORK**.

2.31.0 USE OF THE WORK

2.31.1 The Contractor shall confine their apparatus, the storage of products and the operations of their employees to limits indicated by laws, ordinances, permits or by instructions of the Engineer/Architect and shall not unreasonably encumber the premises with their products.

2.31.2 The Contractor shall not load or permit to be loaded any part of the Work with a weight or force that will endanger its safety.

2.31.3 Unless otherwise provided, the Contractor shall, at their own expense and without expense to the Owner, make suitable provision to accommodate all traffic, either pedestrian or vehicular, over or around the project upon which work is being performed in a manner satisfactory to the Engineer/Architect.

2.31.4 The Contractor shall provide and maintain at their own expense such fences, barriers, signs, lights and watchmen as may be necessary to prevent avoidable accidents to University Users or to the public generally.

2.31.5 All work shall be executed with the least possible interference with or disturbance to personnel and the Public. The Contractor shall cooperate with the person in charge of the premises. The Contractor shall ascertain from the Owner's representative the hours during which the work shall be performed, conform to the directions of the representative and to the directions of the said representative in determining the order in which the work shall be done.

2.31.6 The Contractor shall carry out all work required to maintain the building services and to provide necessary access for personnel and vehicles whenever new work affects occupied portions of the building.

2.31.7 Before final completion of the work, the Owner shall be entitled to make use of any portion of the work which is completed and fit for use for the installation of equipment, storage and furniture, supplies, etc., and for occupancy, if such can be arranged without interfering with the progress of the work.

2.32.0 CUTTING AND REMEDIAL WORK

2.32.1 The Contractor shall do all cutting and remedial work that may be required to make the several parts of the Work come together properly and shall coordinate the Work to ensure that this requirement is kept to a minimum.

2.32.2 Should the Owner, the Engineer/Architect, other contractors or anyone employed by them, be responsible for ill-timed work necessitating additional cutting and/or remedial work to be performed, it shall be valued as provided in **2.14.0 VALUATION AND CERTIFICATION OF CHANGES IN THE WORK** and added to the Contract Price.

2.32.3 Cutting and remedial work shall be performed by specialists familiar with the materials affected and shall be performed in a manner to neither damage nor endanger any work.

2.33.0 INSPECTION OF WORK

2.33.1 The Owner, the Engineer/Architect and their authorized representatives shall have access to the Work for inspection wherever it is in preparation or progress. The Contractor shall cooperate to provide reasonable facilities for such access.

2.33.2 If parts of the Work are designated for special tests, inspections or approvals in the Contract Documents or by the Engineer/Architect's instructions or the laws or ordinances of the place of the Work, the Contractor shall give the Engineer/Architect timely notice requesting inspection. Inspection by the Engineer/Architect shall be made promptly. The Contractor shall arrange for inspections by other authorities and shall notify the Engineer/Architect with timely notice of the date and time.

2.33.3 If the Contractor covers or permits to be covered any of the Work that is designated for special tests, inspections or approvals, before such special tests, the Contractor shall, if so instructed by the Engineer/Architect, uncover the Work, have the inspection satisfactorily completed and make good the Work at their own expense.

2.33.4 The Engineer/Architect may order any part of the Work to be specifically examined, should they believe such work not to be in accordance with the requirements of the Contract Documents. If upon examination such work is found not to be in accordance with the requirements of the Contract Documents, the Contractor shall correct such work and pay the cost of examination and correction. If such work is found to be in accordance with the requirements of the Contract Documents, the Owner will pay the cost of examination and replacement.

2.33.5 The Contractors shall furnish promptly to the Engineer/Architect two (2) copies of all certificates and inspection reports relating to the Work.

2.34.0 *REJECTED WORK*

2.34.1 Defective work, whether the result of poor workmanship, use of defective products or damage through carelessness or other act or omission of the Contractor and whether incorporated in the Work or not which has been rejected by the Engineer/Architect as failing to conform to the Contract Documents, shall be removed promptly from the premises by the Contractor and replaced and/or re-executed promptly in accordance with the Contract Documents at the Contractor's expense.

2.34.2 Other contractors' work destroyed or damaged by such removals or replacements shall be made good promptly at the Contractor's expense.

2.34.3 If, in the opinion of the Engineer/Architect, it is not expedient to correct defective work not done in accordance with the Contract Documents, the Owner may deduct from the Contract Price the difference in value between the Work as done and that called for by the Contract, the amount of which shall be determined in the first instance by the Engineer/Architect.

2.35.0 *SHOP DRAWINGS AND SAMPLES*

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

2.35.2 The Contractor shall arrange for the preparation of clearly identified shop drawings as called for by the Contract Documents or as the Engineer/Architect may reasonably request.

2.35.3 Prior to submission to the Engineer/Architect, the Contractor shall review all shop drawings. By this review, the Contractor represents that they have determined and verified all field measurements, field construction criteria, materials, catalogue numbers and similar data, or will do so, and that they have checked and coordinated each shop drawing with the requirements of the Work and of the Contract Documents. The Contractor's review of each shop drawing shall be indicated by stamp, date and signature of a responsible person.

2.35.4 The Contractor shall submit shop drawings to the Engineer/Architect for their review with reasonable promptness and in orderly sequence so as to cause no delay in the Work or in the Work of other contractors. If either the Contractor or the Engineer/Architect so requests, they shall jointly prepare a schedule fixing the dates for submission and return of shop drawings. Shop drawings shall be submitted in the form

of reproducible transparencies or prints as the Engineer/Architect may direct. At the time of the submission, the Contractor shall notify the Engineer/Architect in writing of any deviations in the shop drawings from the requirements of the Contract Documents.

2.35.5 The Engineer/Architect will review and return shop drawings in accordance with any schedule agreed upon or otherwise with reasonable promptness so as to cause no delay. The Engineer/Architect's review will be for conformity to the design concept and for general arrangements only, and such review shall not relieve the Contractor of responsibility for errors or omissions in the shop drawings or of responsibility for meeting all requirements of the Contract Documents unless a deviation on the shop drawings has been approved in writing by the Engineers/Architects.

2.35.6 The Contractor shall make any changes in shop drawings which the Engineer/ Architect may require consistent with the Contract Documents and resubmit, unless otherwise directed by the Engineer/Architect. When resubmitting, the Contractor shall notify the Engineer/Architect in writing of any deviations other than those requested by the Engineer/Architect.

2.35.7 The Contractor shall submit for the Engineer/Architect's approval such standard manufacturer's samples as the Engineer/Architect may reasonably require. Samples shall be labeled as to origin and intended use in the Work and shall conform to the requirements of the Contract Documents.

2.35.8 The Contractor shall provide samples of special products, assemblies or components when so specified. The cost of such samples not specified shall be authorized as an addition to the Contract Price as provided in **2.13.0 CHANGES IN THE WORK AND EXTRA WORK**.

2.36.0 TESTS AND MIX DESIGNS

2.36.1 The Contractor shall furnish to the Engineer/Architect test results and mix designs as may be requested. The testing company must first be approved by the Engineer/Architect.

2.36.2 The cost of tests and mix designs beyond those called for in the Contract Documents or beyond those required by law, ordinances, rules and regulations relating to the Work and the preservation of public health, shall be authorized as an addition to the Contract Price as provided in **2.13.0 CHANGES IN THE WORK AND EXTRA WORK.**

2.37.0 MATERIALS AND SUBSTITUTIONS

2.37.1 Materials described and named in the specifications with "or approved equal" clause after the Manufacturer's name are so described as to the establish quality only, and substitutions of a similar materials may be made before the award of the Contract provided the Engineer/Architect's approval is obtained. Substitutions after the award

may be considered under special circumstances as indicated in Subsection 1.7.4 in the **INSTRUCTIONS TO Bidders**

2.37.2 Requests for substitutions must be accompanied by sufficient information in the form of shop drawings, manufacturer's literature, samples and other data to permit proper investigation of the substitutes proposed, together with any increase or decrease in price.

2.37.3 Whenever a substitute is proposed for approval, the Contractor shall guarantee that such proposed substitute will not adversely affect the space requirements allocated on the drawings for the material specified, and they shall agree to bear any additional expense incurred due to their use of the proposed substitute.

2.37.4 The Engineer/Architect may accept or reject any or all of the proposed substitutions as they see fit, and their decision on a question of equality shall be final.

2.38.0 TIME OF ESSENCE AND SCHEDULE

2.38.1 Time is of the essence of the Contract.

2.39.0 CASH ALLOWANCE

2.39.1 The Contract Price includes cash allowances, if any, stated in the Contract Documents.

2.39.2 Cash allowances, unless otherwise specified, cover the entire cost to the Contractor of services, products, construction machinery and equipment, freight, unloading, handling, storage, installation and other authorized expenses incurred in performing the Work stipulated under the cash allowances. This also includes the Contractors overhead and profit in connection with such cash allowance.

2.39.3 The cash allowance shall not include HST.

2.39.4 Where costs under a cash allowance exceed the amount of the allowance, the Contractor shall be compensated for any excess incurred and substantiated plus an allowance for overhead and profit as set out in **2.14.0 VALUATION AND CERTIFICATION OF CHANGES IN THE WORK.**

2.39.5 The Contract Price shall be adjusted by written order to provide for any excess or deficit to each cash allowance.

2.39.6 Progress payments on account of Work authorized under cash allowance shall be included in the Engineer/Architect's monthly certificates for payment.

2.39.7 A schedule shall be prepared jointly by the Engineer/Architect and Contractor to show the items called for under Cash Allowances. They must be authorized by the Owner for ordering purposes so that the progress of the Work will not be delayed.

2.40.0 CLEANUP AND FINAL CLEANING OF THE WORK

2.40.1 The Contractor shall maintain the Work in a tidy condition and free from the accumulation of waste products and debris, other than that caused by the Owner, other contractors or their employees.

2.40.2 When the Work is substantially performed, the Contractor shall remove their surplus products, tools, construction machinery and equipment not required for the performance of the remaining Work. They shall also 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 the Owner, unless otherwise specified.

2.40.3 When the Work is totally performed, the Contractor shall remove their surplus products, tools, construction machinery and equipment. They shall also remove waste products and debris other than that caused by the Owner, other contractors or their employees.

3.0 SUPPLEMENTARY GENERAL CONDITIONS

SUPPLEMENTARY GENERAL CONDITIONS

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4.0 SPECIAL CONDITIONS

4.1.0 LAYOUT OF WORK

4.1.1 Other than the original lot lines and a bench mark, both shown on the drawings, establish and maintain all grades, lines, levels and well-built batter boards at all corners of the building. As work progresses, lay out on the forms or rough flooring the exact location of all partitions as a guide to all trades.

4.1.2 Verify all grades, lines, levels and dimensions as shown on the drawings and report any errors or inconsistencies in the above to the Engineer/Architect before commencing Work.

4.2.0 JOB SIGN

4.2.1 At the start of the job, erect two painted signs as detailed and where located by the Engineer/Architect. This will be the only sign or advertisement permitted on the site unless instructed otherwise by the Engineer/Architect.

4.2.2 The signs shall be 8'0" x 8'0" plywood, properly supported. It shall be painted and shall show the names of the building, Owner, Prime Consultant, Major Subconsultants, Contractor and Major Subcontractors. A drawing of the signs to be erected will be supplied by the Engineer/Architect.

4.3.0 TEMPORARY OFFICES AND SHEDS

4.3.1 Construct and maintain, until completion of the Contract temporary offices and storage sheds in approved locations on site for the use of staff.

4.3.2 Buildings shall be of weatherproof wood stud and plywood construction completely equipped with adequate lighting, heating and ventilation, and in addition, the Contractor's office shall be fully furnished with desks, plan tables, storage cabinets, file drawers, chairs, stools and plan racks.

4.3.3 Provide storage sheds for small tools, equipment, perishable materials, etc., as necessary. All buildings shall be equipped with windows for natural light and doors properly fitted and equipped with locks.

4.3.4 Maintain offices and storage sheds in good condition to the approval of the Engineer/Architect from start of Work until final completion of Work or, when directed by the Engineer/Architect, remove offices and sheds from the site and leave areas free of debris and waste materials and in a clean and tidy condition.

4.3.5 Offices and storage sheds required by Trade Contractors, such as mechanical and electrical, shall be provided by the trade requiring them.

4.3.6 Provide an office approximately 120 square feet for the absolute use of the Owner or their representative(s). It shall be properly fitted and furnished with light, heat, telephone, lock and key, shelving, table and chairs and plan rack. The building shall be removed from the site at the completion of the Work.

4.4.0 *TEMPORARY SERVICES*

4.4.1 Light and Power

Furnish all temporary light and power required to provide such intensity of light and sufficient power as necessary for the Work to be carried out under the best conditions. Obtain and pay for all permits and inspection tests required by Provincial and/or Municipal authorities. Pay all charges and maintain fixtures and equipment in good working order. This shall include electric heat.

4.4.2 Telephone

Install and pay for the operation of one job telephone and one telephone for the use of the Engineer/Architect for the duration of the Contract. Subcontractors requiring individual telephones shall have them installed at their expense. Long distance calls will be at the expense of the party making the calls.

4.4.3 Toilets

At the start of operations, provide and maintain in sanitary condition sufficient temporary toilets and washing facilities for the use of personnel on the job. Conform to requirements of the Department of Health and other authorities having jurisdiction. Supply adequate quantities of disinfectant and toilet paper. When building toilets and washing facilities are operable, they may be used under the same conditions as the temporary toilets with the latter being removed, leaving all surfaces and areas hygienically clean and in immaculate condition.

4.4.4 Heat

Provide and maintain in good condition a temporary heating system for use when the building is closed in until the project has been handed over to the Owner. Pay for fuel and maintenance of the system. Maintain temperatures at a minimum of 50^{o} F, (higher if required for special trades). Heating equipment not adequately protected or operated in conditions other than those intended by the manufacturer shall be regarded as temporary. Remove all such equipment and replace with new permanent equipment.

When ready for operation, the permanent heating equipment may be used for temporary heating purposes, subject to the conditions of the Mechanical Division of the specifications. Protect all permanent heating equipment used for temporary heating purposes. Provide satisfactory site conditions for the proper operation of this equipment.

4.4.5 Water Supply

Provide in two convenient locations outside the building line a fresh water supply for the use of all trades.

Where connection cannot be made to an existing water supply, provide adequate size tanks and keep them filled for use of all trades.

4.5.0 PLANT AND MACHINERY

4.5.1 Provide all framework, scaffolding, ladders, cranes, derricks, planks, screens, gantries, tarpaulins, tools, equipment and machinery for the proper execution of the Work. Scaffolding shall be erected without damage of the structure or the finishes, be removed to suit the installation of work of other trades and be promptly removed at completion.

4.5.2 Where it is the normal practice for the trade to provide its own scaffolding, it shall be included in the Subcontract.

4.6.0 PROTECTION OF PUBLIC AND WORKMEN

4.6.1 Part 8 of the National Building Code of Canada, latest edition, shall apply to this project in its entirety. This covers fencing, barricades, Fire protection, excavation, use of streets or public property, control of vehicular traffic and mechanical methods of demolition.

4.6.2 The latest edition of Canadian Construction Safety Code shall also apply to all phases of this project.

4.6.3 The Workers' Compensation Board Regulations shall also apply to all phases of this project.

4.7.0 CONSTRUCTION SCHEDULE

4.7.1 The Contractor shall, within seven (7) days after the Contract is awarded, prepare for the use of the Engineer/Architect and Owner, a construction schedule. It shall indicate as closely as possible the starting and completion dates for the major sections of the Work, together with the Subcontractors' names.

4.7.2 With each monthly progress claim, submit one (1) copy of the original construction schedule marked in red to show the actual construction progress on the date of the submission of the claim.

Weekly schedule updates shall be provided.

Provide updated construction schedule demoting the original.

4.8.0 *PROGRESS PHOTOGRAPHS*

4.8.1 Submit with monthly progress claim digital progress photographs taken from points designated by the Engineer/Architect. In the lower right-hand corner of the prints show the date and name of the project.

4.9.0 OPERATIONS AND MAINTENANCE DATA

4.9.1 On completion of the project, submit to the Engineer/Architect two (2) copies of Operations and Maintenance Data and one (1) electronic copy as original editable format.

a) Bind data in vinyl hard covered, 3-ring, loose-leaf binder for 215 x 280 mm size paper.

b) Enclose title sheet, labelled "Operation and Maintenance Data", project number, project name, date and list of contents.

c) Organize contents into applicable sections of work to parallel project specifications breakdown. Mark each section by labelled tabs protected with celluloid covers fastened to hard paper dividing sheets.

d) Provide electronic document in CD or DVD as original editable file format or, at the direction of the Owner, pdf format.

4.9.2 Include the following information plus data specified in Division 15 and 16:

a) Maintenance instruction for finished surface and materials.

b) Copy of hardware schedules.

c) Description, operation and maintenance instructions for equipment and systems, including complete list of equipment and parts list. Indicate nameplate information such as make, size capacity and serial number.

d) Names, addresses, phone and fax numbers of Subcontractors and Suppliers.

e) Guarantees, warranties and bonds showing:

(i) Name and address of project;

(ii) Guarantee commencement date (date of Final Certification of Completion).

(iii) Duration of guarantee.

(iv) Clear indication of what is being guaranteed and what remedial action will be taken under guarantee.

(v) Signature and Seal of Contractor.

f) Additional materials used in project listed under various sections showing name of manufacturer and source of supply.

4.9.3 Neatly type lists and notes. Use clear drawings, diagrams or manufacturer's literature.

4.9.4 The final certificate will not be issued until the data books have been received and approved by the Engineer/Architect.

4.10.0 COORDINATION OF WORK

4.10.1 The Contractor will coordinate the Work of their Subcontractors and provide necessary instructions and scheduling so as to permit continuous progress in the Work by all trades. They will coordinate work between the Subcontractors on the site to ensure that anchor bolts, plates, attachments, etc., are provided and set in place in a timely manner. They will lay out partitions and assist Subcontractors in establishing the actual location of the fixtures, pipes, outlets, duct conduit, etc., so as to limit the interference of one trade with another. Locations shown on the drawings are approximate. If interference problems are encountered which cannot be resolved on the site, advise the Engineer/Architect before proceeding with the Work. Conceal all mechanical and electrical work unless otherwise indicated.

4.11.0 TRAFFIC MAINTENANCE

4.11.1 Do not close or obstruct streets, sidewalks, driveways, etc., without permission from authorities having jurisdiction. Do not place or store materials in street, sidewalks, parking areas, etc., unless so authorized.

4.12.0 FIRE PROTECTION

4.12.1 Fire protection measures shall include:

a) An adequate fire alarm signal, the use of fire resistant tarpaulins, the daily inspection of temporary heating system by competent staff and regular fire patrol;

b) All temporary wiring shall be done by electricians qualified under the applicable local regulations;

c) Supply and maintenance of fifteen (15) pounds dry chemicals and/or five (5) gallons soda-acid fire extinguishers in such locations that no working crew has to

travel more than fifty (50) feet to an extinguisher station. In any case, there shall be not less than one (1) fully charged extinguisher(s) at the job at any time.

4.13.0 JOB MEETINGS

4.13.1 Where the value of the contract exceeds $100,000 (HST included) job meetings shall occur at definitely prescribed times (minimum once a month), which will be determined after commencement of work, the Contractor shall organize job meetings and send out notices stating time and place to the Owner's representative, the Engineer/Architect, Subconsultants, to all Subcontractors and to other persons whose presences are required at the meetings. They shall take note of all persons attending these meetings and shall, within one (1) week after each job meeting, submit to the Owner, the Engineer/Architect, the Subconsultants and others present, minutes of the meeting which must show any major decisions made and any instructions or information required.

4.13.2 Where the value of the contract is less than $100,000 (HST included) job meetings shall occur at the discretion of the University Project Coordinator but shall not occur fewer than once per month.

4.14.0 AS-BUILT DRAWINGS

4.14.1 The Engineer/Architect will issue to the Contractor three (3) sets of prints of architectural, mechanical and electrical drawings for the sole purpose of providing "as-built" drawings. The Contractor shall pass these to the relevant Subcontractor who shall keep two (2) sets in their office and one (1) set on the job. As changes occur, the Subcontractor shall make them on the field set. Upon completion of the project, the Subcontractor shall accurately transfer all changes to the two (2) office sets in red ink and pass them to the Engineer/Architect, through the Contractor, for approval. If they are not approved, the Subcontractor shall prepare new sets for resubmission (purchasing additional white prints for this purpose).

4.14.2 As-built drawings shall be white prints and shall indicate all changes in Architectural, Mechanical and Electrical work, including any changes in location of piping, ducts, panels, etc.

4.14.3 Provide electronic as-builts in CD or DVD as original editable file format or, at the direction of the Owner, pdf format.

4.14.4 The Certificate of Total Performance will not be issued until such drawings have been received and approved.

4.15.0 COMPLETION TIME

4.15.1 The project shall be ready for the use and occupancy by the Owner within the time stated in the Open Call and Acceptance Form.

4.15.2 Prior to the acceptance by the Owner of the Substantial Performance, the Contractor and the Owner shall sign a list of deficiencies as prepared by the Engineer/Architect for prompt correction and/or completion.

4.16.0 CLOSE DOWN OF WORK

4.16.1 Should the Work be closed down for any cause, the Contractor shall assume all responsibility for its proper protection during such period. They must protect all foundation work and other work liable to be damaged.

4.17.0 BROKEN GLASS

4.17.1 The Contractor shall be held responsible for any damaged, broken or scratched glass and at completion shall replace all such glass at no additional cost to the Owner.

4.18.0 HOARDING

4.18.1 Before starting excavating, construct and thereafter maintain all necessary hoarding required by Municipal or Provincial regulations or by other authorities having jurisdiction.

4.19.0 COMMISSIONING

4.19.1 The Contractor is responsible for commissioning the Work to ensure that the various parts are operating in a manner as intended by the Contract Documents. Even through individual components and/or parts of the Work may have been tested and approved prior to the substantial completion, the Contractor must coordinate a final commissioning of the complete Work, including at the place of the Work all their major Subcontractors and Suppliers. The final commissioning will be carried out by the appropriate trades working together in a complementary manner such that the successful operation of the whole Work is completed properly to the satisfaction of the Engineer/Architect. The Substantial Performance Certificate will not be issued until the final commissioning of the Work has been successfully completed.

4.20.0 FINAL CLEAN-UP

4.20.1 At the end of the job, thoroughly clean the building of all rubbish and surplus materials.

4.20.2 Make good all damaged areas in the building caused as a result of the Work of this Contract.

4.20.3 Do final cleaning, waxing and polishing of resilient flooring.

5.0 CAMPUS SAFETY AND HEALTH REGULATIONS

Maintaining a healthy and safe environment for all members of the campus community, as well as visitors, is a priority with the University. This involves a commitment from all sectors of the campus community and extends to outside agencies having occasion to come on campus to conduct business.

The following regulations will apply to all work undertaken by contractors and service personnel on any University property.

5.1.0 REGULATIONS, CODES AND STANDARDS

Contractors shall be familiar with and abide by provisions of various safety codes and standards applicable to the work performed and should refer to Article **23. PROTECTION OF WORK AND PROPERTY** in the **General Conditions**.

In particular, strict adherence shall be required to the Provincial Occupational Health and Safety Act and Regulations and the National Building Code of Canada, Part 8.

5.2.0 GENERAL SAFETY REGULATIONS

a) Contractors/service agencies shall ensure that members of the campus community are not endangered by any work or process in which they may be engaged. Work areas shall be adequately barricaded, and if dust or fumes are generated, suitable enclosures shall be installed to contain such emissions.

b) No material shall be stored in such a way as to obstruct walkways or represent a danger to pedestrian traffic.

c) Adequate protection shall be provided to prevent the possibility of materials falling from scaffolding or elevated areas. Areas where materials are being loaded or offloaded shall be barricaded or otherwise protected to prevent unauthorized entry. Where necessary, appropriate warning signs shall be posted.

d) The work areas must be kept reasonably clean and free from debris which could constitute a fire hazard. Care must be taken to ensure that the work process does not activate fire alarm detection devices. (Generation of dust and fumes can activate smoke detectors causing a false alarm).

e) Due consideration shall be given to fire safety in buildings. Flammable materials must be kept away from sources of ignition. No work involving the use of open flame devices must be undertaken around flammable solvents or gases.

f) Do not alter or disturb any materials believed to contain asbestos materials (unless this is a duly authorized part of the project). Should suspect materials be encountered, consult with University officials before proceeding.

g) Material Safety Data Sheets shall be procured for any hazardous product used on campus. Such sheets shall be made readily available for consultation as required under the Workplace Hazardous Materials Information System.

NOTE: The above regulations are not to be considered all inclusive and are considered to be complementary to the safety requirements outlined in the agreement between the Owner and the Contractor/Service Agency. Certain conditions and circumstances may require adherence to additional safety regulations.

As a general requirement, contract/service personnel are expected to conduct all work on campus in a professional and safe manner and to give priority to the welfare of members of the campus community.

6.0 CONTRACTOR PERFORMANCE EVALUATION

6.1.0 The purpose of this process is to maintain an acceptable level of performance with external contractors carrying out work for the Department of Facilities Management.

6.2.0 A record of the performance of external contractors will be maintained to identify the following:

a) Those contractors who by virtue of satisfactory performance will continue to be eligible to submit bids for work at the University;

b) Those contractors whose performance is considered unsatisfactory and will be advised of the need to improve performance to remain eligible to submit bids for work at the University;

c) Those contractors whose record of unsatisfactory performance will render them ineligible to submit bids for work at the University.

6.3.0 Contractors' performance will be evaluated on a points rating system relative to quality of work performed, timeliness in completing work and management/administration of contracts/work and safety parameters.

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
- .1 Project information.
- .2 Work covered by Contract Documents.
- .3 Work by Owner.
- .4 Work under separate contracts.
- .5 Access to site.
- .6 Work restrictions.
- .7 Specification and drawing conventions.

.2 Related Section:
- .1 Division 01 Section *Temporary Facilities and Controls* for limitations and procedures governing temporary use of Owner's facilities.

1.3 PROJECT INFORMATION

.1 Project Identification: Coughlan College Building Demolition.
- .1 Project Location: Memorial University St. John’s Campus.

.2 Owner: Memorial University of Newfoundland
- .1 Owner's Representative: Facilities Engineering & Development, Facilities Management

.3 Mandatory Site Briefing:
- .1 A site briefing will be held prior to bid closing to allow bidders to completely familiarize themselves with the scope of work. Bidders who do not participate in a site briefing shall be declared ineligible and their bids will not be accepted.
- .2 Bidders will be required to attend one of two site briefings. Bidders will not be required to attend both site briefings. Refer to “Request for open call for bids information sheet” for time & date of both site briefings.
- .3 All participants will be required to sign-in to confirm attendance.

1.4 WORK COVERED BY CONTRACT DOCUMENTS

.1 The Work of the Project is defined by the Contract Documents and consists of the following:
- .1 Erection of temporary hoarding/fencing on site, as identified on the contract drawings. Site hoarding to be 1.8m high Portable Chain-Link Fencing. See Specification Section 01 56 00 – Temporary Barriers and Enclosures.
- .2 Submission of a demolition plan for review and approval by the Owner, prior to work commencing. Demolition plan to include approval drawings, diagrams and/or details showing sequence of demolition work and supporting structures and underpinning, where required. The plan shall outline proposed methods for dust control, noise control and maintaining the surrounding streets and buildings in a clean condition for both demolition operations and during debris removal. Plan to be stamped and signed by qualified professional engineer registered or licensed in Province of Newfoundland and Labrador, Canada.

.3 Proper removal, handling and disposal of all hazardous materials located within and/or on the building. Hazardous materials may include, but is not limited to, asbestos, lead, mould, silica, polychlorinated biphenyls (PCB) and mercury. Work to be completed in full accordance with all applicable legislation, regulations, standards and codes. Hazardous building materials assessments for each structure are included in specification 02 26 00.

.4 Air monitoring and inspections during abatement work to be completed by a certified environmental consultant, approved by the Owner, and engaged by the General Contractor. All costs to be included in the Contract price.

.5 Complete demolition, removal from site and legal disposal of all structure components and site infrastructure, as identified on the contract drawings and in the contract specifications, at a Waste Management Facility.

.6 Unless otherwise indicated, remove and legally dispose of all contents within each structure. This includes, but is not limited to: piping, insulation, flooring, electrical and mechanical infrastructure, appliances, electronics, miscellaneous metals, fixtures, documents, furniture, built-ins, doors and equipment.

.7 Removal and capping of all existing site services, as identified on the contract drawings and in the contract specifications. Site services may include, but are not limited to, power, communications, sanitary, storm and water. General Contractor is responsible to coordinate, in conjunction with the Owner, with third party utility providers such as Newfoundland Power and the City of St. John's to arrange service disconnects/removals.

.2 Type of Contract

.1 Project will be constructed under a single lump sum contract.

1.5 PHASED CONSTRUCTION

.1 The Work shall be conducted in a single phase.

1.6 WORK BY OWNER

.1 General: Cooperate fully with Owner so work may be carried out smoothly, without interfering with or delaying work under this Contract or work by Owner. Coordinate the Work of this Contract with work performed by Owner.

.2 Preceding Work: Owner will perform the following construction operations at Project site. Those operations are scheduled to be substantially complete before work under this Contract begins.

.1 Occupied areas of the building to be vacated by the Owner prior to demolition operations commencing.

.3 Concurrent Work: Owner will perform the following construction operations at Project site. Those operations will be conducted simultaneously with work under this Contract.

.1 Work performed by facilities management trades and other departments for the removal of, audio visual equipment, data and communications equipment, and security alarm equipment.

1.7 WORK UNDER SEPARATE CONTRACTS

.1 General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract or other contracts. Coordinate the Work of this Contract with work performed under separate contracts.

.2 Preceding Work: Owner has awarded / will award separate contract(s) for the following construction operations at Project site. Those operations are scheduled to be substantially complete before work under this Contract begins.

.1 No proceeding work planned.

.3 Concurrent Work: Owner has awarded / will award separate contract(s) for the following construction operations at Project site. Those operations will be conducted simultaneously with work under this Contract.

.1 No concurrent work planned.

.4 Subsequent Work: Owner has awarded / will award separate contract(s) for the following additional work to be performed at site following Substantial Completion. Completion of that work will depend on successful completion of preparatory work under this Contract.
.1 No subsequent work planned.

1.8 ACCESS TO SITE

.1 Use of Site: Limit use of Project site to work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
.1 Limits: Where the Work involves site work, limit site disturbance, including earthwork and clearing of vegetation, to 12.2 m beyond building perimeter; 3 m beyond surface walkways, patios, surface parking, and utilities less than 300 mm in diameter; 4.5 m beyond primary roadway curbs and main utility branch trenches; and 7.6 m beyond constructed areas with permeable surfaces (such as pervious paving areas, stormwater detention facilities, and playing fields) that require additional staging areas in order to limit compaction in the constructed area.
.2 Driveways, Walkways and Entrances: For Work involving renovations to an existing building or adjacent to other buildings then keep driveways and loading areas, and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
.1 Schedule deliveries to minimize use of driveways and entrances by construction operations.
.2 Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.9 WORK RESTRICTIONS

.1 Work Restrictions, General: Comply with restrictions on construction operations.
.1 Comply with limitations on use of public streets and other requirements of authorities having jurisdiction.

.2 On-Site Work Hours: Limit work in the existing building to normal business working hours of the Owner, Monday through Friday, except as otherwise indicated.
.1 Weekend Hours: When schedule requires.
.2 Early Morning Hours: When schedule requires and when nature of work produces excess noise not acceptable to the owner.
.3 Hours for Utility Shutdowns: Provide owner with 72hrs notice, work to occur before or after normal working hours.
.4 Hours for Core Drilling: Requires 24hrs notice and be schedules before or after normal working hours.

.3 Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
.1 Notify Owner's Representative not less than **two days** in advance of proposed utility interruptions.
.2 Obtain Owner's Representative written permission before proceeding with utility interruptions.

.4 Noise, Vibration, and Odours: For work in or near occupied facilities, coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy with Owner.
.1 Notify Owner's Representative not less than two days in advance of proposed disruptive operations.
.2 Obtain Owner's Representative's written permission before proceeding with disruptive operations.

.5 Controlled Substances: Use of tobacco products and other controlled substances on the Project site is not permitted.

.6 Employee Identification: Owner may provide identification tags for Contractor personnel working on the Project site. Require personnel to utilize identification tags at all times.

1.10 SPECIFICATION AND DRAWING CONVENTIONS

.1 Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
  .1 Imperative mood and streamlined language are generally used in the Specifications. The words *shall*, *shall be*, or *shall comply with*, depending on the context, are implied where a colon (:) is used within a sentence or phrase.
  .2 Specification requirements are to be performed by Contractor unless specifically stated otherwise.

.2 Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.

.3 Drawing Coordination: Requirements for materials and products identified on the Drawings are described in detail in the Specifications. One or more of the following are used on the Drawings to identify materials and products:
  .1 Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Administrative and procedural requirements governing allowances.
    .1 Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to the Contractor. If necessary, additional requirements will be issued by Change Order.
  .2 Types of allowances include the following:
    .1 Revise list below to suit Project.
    .2 Lump-sum allowances.
    .3 Unit-cost allowances.
    .4 Quantity allowances.
    .5 Contingency allowances.
    .6 Testing and inspecting allowances.

.2 Types of items you will not find described in this Section:
  .1 Procedures for using unit prices.
  .2 Procedures governing the use of allowances for testing and inspecting.
  .3 Divisions 02 through 49 Sections for items of Work covered by allowances.

1.3 SELECTION AND PURCHASE

.1 At the earliest practical date after award of the Contract, advise Owner's Representative of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.

.2 At Owner's Representative's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.

.3 Purchase products and systems selected by Owner's Representative from the designated supplier.

1.4 SUBMITTALS

.1 Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.

.2 Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.

.3 Submit time sheets and other documentation to show labour time and cost for installation of allowance items that include installation as part of the allowance.

.4 Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 COORDINATION

.1 Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.6 QUANTITY ALLOWANCES

.1 Allowance shall include cost to Contractor of specific products and materials selected by Owner's Representative under allowance and shall include freight, and delivery to Project site.

.2 Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labour, installation, overhead and profit, and similar costs related to products and materials selected by Owner's Representative under allowance shall be included as part of the Contract Sum and not part of the allowance.

.3 Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.

.1 If requested by Owner's Representative, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.7 CONTINGENCY ALLOWANCES

.1 Use the contingency allowance only as directed by Owner's Representative for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.

.2 Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, insurance, equipment rental, and similar costs.

.3 Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit margins.

.4 At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

.5 The cash allowance shall not include HST.

1.8 TESTING AND INSPECTING ALLOWANCES

.1 Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.

.2 The allowance does not include incidental labour required to assist the testing agency or costs for retesting if previous tests and inspections result in failure. The cost for incidental labour to assist the testing agency shall be included in the Contract Sum.

.3 At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.9 ADJUSTMENT OF ALLOWANCES

.1 Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If

applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.

.1 Include installation costs in purchase amount only where indicated as part of the allowance.

.2 If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.

.3 Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.

.2 Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labour, installation, overhead, and profit.

.1 Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.

.2 No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

.1 Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

.1 Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

.1 Control Integration Allowance:

.1 No Control Integration Allowances apply to this work.

.2 Lump-Sum Allowance:

.1 No Lump Sum Allowances apply to this Work.

.3 Unit-Cost Allowance:

.1 No Unit Cost Allowances apply to this Work.

.4 Contingency Allowance:

.1 Include a contingency allowance of $20,000.00 for use according to Owner's instructions.

.5 Testing and Inspection Allowance:

.1 No testing and Inspection Allowance apply to this Work.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Administrative and procedural requirements for substitutions.

.2 Types of items you will not find described in this Section:
  .1 Products selected under an allowance.
  .2 Requirements for submitting comparable product submittals for products by listed manufacturers.
  .3 Divisions 02 through 49 Sections for specific requirements and limitations for substitutions.

1.3 DEFINITIONS

.1 Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.
  .1 Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
  .2 Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required in order to meet other Project requirements but may offer advantage to Contractor or Owner.

1.4 SUBMITTALS

.1 Substitution Requests: Submit three copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
  .1 Documentation: Show compliance with requirements for substitutions and the following, as applicable:
    .1 Statement indicating why specified product or fabrication or installation cannot be provided, if applicable.
    .2 Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner and separate contractors, that will be necessary to accommodate proposed substitution.
    .3 Detailed comparison of significant qualities of proposed substitution with those of the Work specified. Include annotated copy of applicable specification section. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
    .4 Product Data, including drawings and descriptions of products and fabrication and installation procedures.
    .5 Samples, where applicable or requested.
    .6 Certificates and qualification data, where applicable or requested.
    .7 List of similar installations for completed projects with project names and addresses and names and addresses of Owner's Representatives and owners.
    .8 Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
    .9 Research reports evidencing compliance with building code in effect for Project.

.10 Detailed comparison of Contractor's construction schedule using proposed substitution with products specified for the Work, including effect on the overall Contract Time. If specified product or method of construction cannot be provided within the Contract Time, include letter from manufacturer, on manufacturer's letterhead, stating date of receipt of purchase order, lack of availability, or delays in delivery.

.11 Cost information, including a proposal of change, if any, in the Contract Sum.

.12 Contractor's certification that proposed substitution complies with requirements in the Contract Documents except as indicated in substitution request, is compatible with related materials, and is appropriate for applications indicated.

.13 Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.

.2 Owner's Representative's Action: If necessary, Owner's Representative will request additional information or documentation for evaluation within seven days of receipt of a request for substitution. Owner's Representative will notify Contractor of acceptance or rejection of proposed substitution within 15 days of receipt of request, or seven days of receipt of additional information or documentation, whichever is later.

.1 Forms of Acceptance: Change Order, Construction Change Directive, or Owner's Representative's Supplemental Instructions for minor changes in the Work.

.2 Use product specified if Owner's Representative does not issue a decision on use of a proposed substitution within time allocated.

1.5 QUALITY ASSURANCE

.1 Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage qualified testing agency to perform compatibility tests recommended by manufacturers.

1.6 PROCEDURES

.1 Coordination: Modify or adjust affected work as necessary to integrate work of the approved substitutions.

PART 2 - PRODUCTS

2.1 SUBSTITUTIONS

.1 Substitutions for Cause: Submit requests for substitution immediately upon discovery of need for change, but not later than 15 days prior to time required for preparation and review of related submittals.

.1 Conditions: Owner's Representative will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Owner's Representative will return requests without action, except to record noncompliance with these requirements:

.1 Requested substitution is consistent with the Contract Documents and will produce indicated results.

.2 Substitution request is fully documented and properly submitted.

.3 Requested substitution will not adversely affect Contractor's construction schedule.

.4 Requested substitution has received necessary approvals of authorities having jurisdiction.

.5 Requested substitution is compatible with other portions of the Work.

.6 Requested substitution has been coordinated with other portions of the Work.

.7 Requested substitution provides specified warranty.

.8 If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

.2 Substitutions for Convenience: Owner's Representative will consider requests for substitution if received within 60 days after the Notice of Award. Requests received after that time may be considered or rejected at discretion of Owner's Representative.

.1 Conditions: Owner's Representative will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Owner's Representative will return requests without action, except to record noncompliance with these requirements:
  .1 Requested substitution offers Owner a substantial advantage in cost, time, energy conservation, or other considerations, after deducting additional responsibilities Owner must assume. Owner's additional responsibilities may include compensation to Owner's Representative for redesign and evaluation services, increased cost of other construction by Owner, and similar considerations.
  .2 Requested substitution does not require extensive revisions to the Contract Documents.
  .3 Requested substitution is consistent with the Contract Documents and will produce indicated results.
  .4 Substitution request is fully documented and properly submitted.
  .5 Requested substitution will not adversely affect Contractor's construction schedule.
  .6 Requested substitution has received necessary approvals of authorities having jurisdiction.
  .7 Requested substitution is compatible with other portions of the Work.
  .8 Requested substitution has been coordinated with other portions of the Work.
  .9 Requested substitution provides specified warranty.
  .10 If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

PART 3 - EXECUTION (Not Used)

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Administrative and procedural requirements necessary to prepare and process Applications for Payment.

.2 Types of items you will not find described in this Section:
  .1 Procedural requirements governing the handling and processing of allowances.
  .2 Administrative procedures for handling changes to the contract.
  .3 Administrative requirements governing the preparation and submittal of the contractor's construction schedule.
  .4 Administrative requirements governing the preparation and submittal of the submittal schedule.
  .5 Administrative requirements governing submittal of cost breakdown information required for leed documentation.

1.3 DEFINITIONS

.1 Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

1.4 SCHEDULE OF VALUES

.1 Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.
  .1 Correlate line items in the schedule of values with other required administrative forms and schedules, including the following:
    .1 Application for Payment forms with continuation sheets.
    .2 Submittal schedule.
    .3 Items required to be indicated as separate activities in Contractor's construction schedule.
  .2 Submit the schedule of values to Owner's Representative at earliest possible date but no later than seven days before the date scheduled for submittal of initial Applications for Payment.

.2 Format and Content: Use the Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.
  .1 Arrange the schedule of values in tabular form with separate columns to indicate the following for each item listed:
    .1 Related Specification Section or Division.
    .2 Description of the Work.
    .3 Dollar value of the following, as a percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent.
  .2 Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with the Project Manual table of contents. Provide multiple line items for principal subcontract amounts in excess of five percent of Contract Sum.

.1 Include separate line items under principal subcontracts for sustainability documentation for LEED certification, if applicable, and other project closeout requirements in an amount totalling not less than five percent of the Contract Sum and subcontract amount.

.3 Round amounts to nearest whole dollar; total shall equal the Contract Sum.

.4 Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored but not yet installed.

.1 Differentiate between items stored on-site and items stored off-site. If required, include evidence of insurance.

.5 Allowances: Provide a separate line item in the schedule of values for each allowance. Show line-item value of unit-cost allowances, as a product of the unit cost, multiplied by measured quantity. Use information indicated in the Contract Documents to determine quantities.

.6 Each item in the schedule of values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

.1 Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the schedule of values or distributed as general overhead expense, at Contractor's option.

.7 Schedule Updating: Update and resubmit the schedule of values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

1.5 APPLICATIONS FOR PAYMENT

.1 Each Application for Payment shall be consistent with previous applications and payments as certified by Owner's Representative and paid for by Owner.

.1 Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.

.2 Payment Application Times: The date for each progress payment is indicated in the Agreement between Owner and Contractor. The period of construction work covered by each Application for Payment is the period indicated in the Agreement.

.3 Application for Payment Forms: Use forms acceptable to Owner's Representative and Owner for Applications for Payment. Submit forms for approval with initial submittal of schedule of values.

.4 Application Preparation: Complete every entry on form. Execute by a person authorized to sign legal documents on behalf of Contractor. Owner's Representative will return incomplete applications without action.

.1 Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.

.2 Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.

.3 Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.

.4 Indicate separate amounts for work being carried out under Owner-requested project acceleration.

.5 Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.

.1 Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment, for stored materials.

.2 Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.

.3 Provide summary documentation for stored materials indicating the following:

.1 Materials previously stored and included in previous Applications for Payment.

.2 Work completed for this Application utilizing previously stored materials.

.3 Additional materials stored with this Application.
.4 Total materials remaining stored, including materials with this Application.

.6 Transmittal: Submit two signed original copies of each Application for Payment to Owner's Representative by a method ensuring receipt within 24 hours. Provide current Letter of Good Standing from Work Place Health and Safety authority.
.1 Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.

.7 Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
.1 List of subcontractors.
.2 Schedule of values.
.3 Contractor's construction schedule (preliminary if not final).
.4 Products list (preliminary if not final).
.5 Schedule of unit prices.
.6 Submittal schedule (preliminary if not final).
.7 List of Contractor's staff assignments.
.8 List of Contractor's principal consultants.
.9 Copies of building permits.
.10 Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
.11 Initial progress report.
.12 Report of preconstruction conference.

.8 Application for Payment at Substantial Completion: After issuing the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.
.1 Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.

.9 Final Payment Application: Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
.1 Evidence of completion of Project closeout requirements.
.2 Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
.3 Updated final statement, accounting for final changes to the Contract Sum.
.4 Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of the Work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
    .1 General project coordination procedures.
    .2 Administrative and supervisory personnel.
    .3 Coordination drawings.
    .4 Requests for Information (RFIs).
    .5 Project Web Site.
    .6 Project meetings.

.2 Each contractor shall participate in coordination requirements. Certain areas of responsibility are assigned to a specific contractor.

.3 Types of items you will not find described in this Section:
  .1 Description of the division of work among separate contracts and responsibility for coordination activities not in this Section.
  .2 Preparing and submitting Contractor's construction schedule.
  .3 Procedures for coordinating general installation and field-engineering services, including establishment of benchmarks and control points.
  .4 Coordinating closeout of the Contract.
  .5 Coordinating the Work with Owner's commissioning authority.

1.3 DEFINITIONS

.1 RFI: Request from Owner, Owner's Representative, or Contractor seeking information from each other during construction.

1.4 COORDINATION

.1 Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections, that depend on each other for proper installation, connection, and operation.
  .1 Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
  .2 Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
  .3 Make adequate provisions to accommodate items scheduled for later installation.

.2 Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
  .1 Preparation of Contractor's construction schedule.

.2 Preparation of the schedule of values.
.3 Installation and removal of temporary facilities and controls.
.4 Delivery and processing of submittals.
.5 Progress meetings.
.6 Preinstallation conferences.
.7 Project closeout activities.
.8 Startup and adjustment of systems.
.9 Project closeout activities.

.3 Conservation: Coordinate construction activities to ensure that operations are carried out with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.
.1 Salvage materials and equipment involved in performance of, but not actually incorporated into, the Work. Refer to other Sections for disposition of salvaged materials that are designated as Owner's property.

1.5 COORDINATION DRAWINGS

.1 Coordination Drawings, General: Prepare coordination drawings in accordance with requirements in individual Sections, where installation is not completely shown on Shop Drawings, where limited space availability necessitates coordination, or if coordination is required to facilitate integration of products and materials fabricated or installed by more than one entity.
.1 Content: Project-specific information, drawn accurately to a scale large enough to indicate and resolve conflicts. Do not base coordination drawings on standard printed data. Include the following information, as applicable:
.1 Use applicable Drawings as a basis for preparation of coordination drawings. Prepare sections, elevations, and details as needed to describe relationship of various systems and components.
.2 Indicate functional and spatial relationships of components of architectural, structural, civil, mechanical, and electrical systems.
.3 Indicate space requirements for routine maintenance and for anticipated replacement of components during the life of the installation.
.4 Show location and size of access doors required for access to concealed dampers, valves, and other controls.
.5 Indicate required installation sequences.
.6 Indicate dimensions shown on the Drawings. Specifically note dimensions that appear to be in conflict with submitted equipment and minimum clearance requirements. Provide alternate sketches to Owner's Representative indicating proposed resolution of such conflicts. Minor dimension changes and difficult installations will not be considered changes to the Contract.

.2 Coordination Drawing Organization: Organize coordination drawings as follows:
.1 Floor Plans and Reflected Ceiling Plans: Show architectural and structural elements, and mechanical, plumbing, fire protection, fire alarm, and electrical Work. Show locations of visible ceiling-mounted devices relative to acoustical ceiling grid. Supplement plan drawings with section drawings where required to adequately represent the Work.
.2 Plenum Space: Indicate subframing for support of ceiling and wall systems, mechanical and electrical equipment, and related Work. Locate components within ceiling plenum to accommodate layout of light fixtures indicated on Drawings. Indicate areas of conflict between light fixtures and other components.
.3 Mechanical Rooms: Provide coordination drawings for mechanical rooms showing plans and elevations of mechanical, plumbing, fire protection, fire alarm, and electrical equipment.
.4 Structural Penetrations: Indicate penetrations and openings required for all disciplines.
.5 Slab Edge and Embedded Items: Indicate slab edge locations and sizes and locations of embedded items for metal fabrications, sleeves, anchor bolts, bearing plates, angles, door floor closers, slab depressions for floor finishes, curbs and housekeeping pads, and similar items.
.6 Mechanical and Plumbing Work: Show the following:

.1 Sizes and bottom elevations of ductwork, piping, and conduit runs, including insulation, bracing, flanges, and support systems.
.2 Dimensions of major components, such as dampers, valves, diffusers, access doors, cleanouts and electrical distribution equipment.
.3 Fire-rated enclosures around ductwork.

.7 Electrical Work: Show the following:
.1 Runs of vertical and horizontal conduit 1-1/4 inch diameter and larger.
.2 Light fixture, exit light, emergency battery pack, smoke detector, and other fire alarm locations.
.3 Panel board, switch board, switchgear, transformer, busway, generator, and motor control center locations.
.4 Location of pull boxes and junction boxes, dimensioned from column center lines.

.8 Fire Protection System: Show the following:
.1 Locations of standpipes, mains piping, branch lines, pipe drops, and sprinkler heads.

.9 Review: Owner's Representative will review coordination drawings to confirm that the Work is being coordinated, but not for the details of the coordination, which are the Contractor's responsibility. If the Owner's Representative determines that the coordination drawings are not being prepared in sufficient scope or detail, or are otherwise deficient, the Owner's Representative will so inform the Contractor, who shall make changes as directed and resubmit.

.10 Coordination Drawing Prints: Prepare coordination drawing prints in accordance with requirements of Division 01 Section *Submittal Procedures*.

1.6 KEY PERSONNEL

.1 Key Personnel Names: Within 15 days of starting construction operations, submit a list of key personnel assignments, including superintendent and other personnel in attendance at Project site. Identify individuals and their duties and responsibilities; list addresses and telephone numbers, including home, office, and cellular telephone numbers and email addresses. Provide names, addresses, and telephone numbers of individuals assigned as standbys in the absence of individuals assigned to Project.
.1 Post copies of list in project meeting rooms, in any temporary field office, and by any and all temporary telephones. Keep list current at all times.

1.7 REQUESTS FOR INFORMATION (RFIs)

.1 General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.
.1 Owner's Representative will return RFIs submitted to Owner's Representative by other entities controlled by Contractor with no response.
.2 Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

.2 Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
.1 Project name.
.2 Project number.
.3 Date.
.4 Name of Contractor.
.5 Name of Owner's Representative.
.6 RFI number, numbered sequentially.
.7 RFI subject.
.8 Specification Section number and title and related paragraphs, as appropriate.
.9 Drawing number and detail references, as appropriate.
.10 Field dimensions and conditions, as appropriate.

.11 Contractor's suggested resolution. If Contractor's solution(s) impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
.12 Contractor's signature.
.13 Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
.1 Include dimensions, thicknesses, structural grid references, and details of affected materials, assemblies, and attachments on attached sketches.

.3 RFI Forms: Contractor's form acceptable to the Owner's Representative.

.4 Owner's Representative's Action: Owner's Representative will review each RFI, determine action required, and respond. Allow seven working days for Owner's Representative's response for each RFI. RFIs received by Owner's Representative after 1:00 p.m. will be considered as received the following working day.
.1 The following RFIs will be returned without action:
.1 Requests for approval of submittals.
.2 Requests for approval of substitutions.
.3 Requests for coordination information already indicated in the Contract Documents.
.4 Requests for adjustments in the Contract Time or the Contract Sum.
.5 Requests for interpretation of Owner's Representative's actions on submittals.
.6 Incomplete RFIs or inaccurately prepared RFIs.
.2 Owner's Representative's action may include a request for additional information, in which case Owner's Representative's time for response will date from time of receipt of additional information.
.3 Owner's Representative's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Division 01 Section *Contract Modification Procedures*.
.1 If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Owner's Representative in writing within 10 days of receipt of the RFI response.

.5 On receipt of Owner's Representative's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Owner's Representative within seven days if Contractor disagrees with response.

1.8 PROJECT MEETINGS

.1 General: Schedule and conduct meetings and conferences at Project site, unless otherwise indicated.
.1 Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Owner's Representative of scheduled meeting dates and times.
.2 Agenda: Prepare the meeting agenda. Distribute the agenda to all invited attendees.
.3 Minutes: Entity responsible for conducting meeting will record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Owner's Representative, within three days of the meeting.

.2 Preconstruction Conference: Owner's Representative will schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Owner's Representative, but no later than 15 days after execution of the Agreement.
.1 Conduct the conference to review responsibilities and personnel assignments.
.2 Attendees: Authorized representatives of Owner, Owner's Commissioning Authority if applicable, Owner's Representative, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
.3 Agenda: Discuss items of significance that could affect progress, including the following:
.1 Tentative construction schedule.

.2 Phasing.
.3 Critical work sequencing and long-lead items.
.4 Designation of key personnel and their duties.
.5 Lines of communications.
.6 Procedures for processing field decisions and Change Orders.
.7 Procedures for RFIs.
.8 Procedures for testing and inspecting.
.9 Procedures for processing Applications for Payment.
.10 Distribution of the Contract Documents.
.11 Submittal procedures.
.12 Sustainable design requirements.
.13 Preparation of record documents.
.14 Use of the premises and existing building.
.15 Work restrictions.
.16 Working hours.
.17 Owner's occupancy requirements.
.18 Responsibility for temporary facilities and controls.
.19 Procedures for moisture and mold control.
.20 Procedures for disruptions and shutdowns.
.21 Construction waste management and recycling.
.22 Parking availability.
.23 Office, work, and storage areas.
.24 Equipment deliveries and priorities.
.25 First aid.
.26 Security.
.27 Progress cleaning.

.4 Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.

.3 Preinstallation Conferences: Conduct a preinstallation conference at Project site before each construction activity that requires coordination with other construction.

.1 Attendees: Installer and representatives of manufacturers and fabricators involved in or affected by the installation and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. Advise Owner's Representative , and Owner's Commissioning Authority if applicable, of scheduled meeting dates.

.2 Agenda: Review progress of other construction activities and preparations for the particular activity under consideration, including requirements for the following:

.1 Contract Documents.
.2 Options.
.3 Related RFIs.
.4 Related Change Orders.
.5 Purchases.
.6 Deliveries.
.7 Submittals.
.8 Review of mockups.
.9 Possible conflicts.
.10 Compatibility problems.
.11 Time schedules.
.12 Weather limitations.
.13 Manufacturer's written recommendations.
.14 Warranty requirements.
.15 Compatibility of materials.

.16 Acceptability of substrates.
.17 Temporary facilities and controls.
.18 Space and access limitations.
.19 Regulations of authorities having jurisdiction.
.20 Testing and inspecting requirements.
.21 Installation procedures.
.22 Coordination with other work.
.23 Required performance results.
.24 Protection of adjacent work.
.25 Protection of construction and personnel.

.3 Record significant conference discussions, agreements, and disagreements, including required corrective measures and actions.

.4 Reporting: Distribute minutes of the meeting to each party present and to other parties requiring information.

.5 Do not proceed with installation if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of the Work and reconvene the conference at earliest feasible date.

.4 Project Closeout Conference: Schedule and conduct a Project closeout conference, at a time convenient to Owner and Owner's Representative, but no later than thirty days prior to the scheduled date of Substantial Completion.

.1 Conduct the conference to review requirements and responsibilities related to Project closeout.

.2 Attendees: Authorized representatives of Owner, Owner's Commissioning Authority if applicable, Owner's Representative, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the meeting. Participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.

.3 Agenda: Discuss items of significance that could affect or delay Project closeout, including the following:

.1 Preparation of record documents.
.2 Procedures required prior to inspection for Substantial Completion and for final inspection for acceptance.
.3 Submittal of written warranties.
.4 Requirements for preparing sustainable design documentation.
.5 Requirements for preparing operations and maintenance data.
.6 Requirements for demonstration and training.
.7 Preparation of Contractor's punch list.
.8 Procedures for processing Applications for Payment at Substantial Completion and for final payment.
.9 Submittal procedures.
.10 Coordination of separate contracts.
.11 Owner's partial occupancy requirements.
.12 Installation of Owner's furniture, fixtures, and equipment.
.13 Responsibility for removing temporary facilities and controls.

.4 Minutes: Entity conducting meeting will record and distribute meeting minutes.

.5 Progress Meetings: Conduct progress meetings at monthly intervals.

.1 Coordinate dates of meetings with preparation of payment requests.

.2 Attendees: In addition to representatives of Owner, Owner's Commissioning Authority if applicable and Owner's Representative, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.

.3 Agenda: Review and correct or approve minutes of previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.

.1 Contractor's Construction Schedule: Review progress since the last meeting. Determine whether each activity is on time, ahead of schedule, or behind schedule, in relation to Contractor's construction schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
  .1 Review schedule for next period.

.2 Review present and future needs of each entity present, including the following:
  .1 Interface requirements.
  .2 Sequence of operations.
  .3 Status of submittals.
  .4 Deliveries.
  .5 Off-site fabrication.
  .6 Access.
  .7 Site utilization.
  .8 Temporary facilities and controls.
  .9 Progress cleaning.
  .10 Quality and work standards.
  .11 Status of correction of deficient items.
  .12 Field observations.
  .13 Status of RFIs.
  .14 Status of proposal requests.
  .15 Pending changes.
  .16 Status of Change Orders.
  .17 Pending claims and disputes.
  .18 Documentation of information for payment requests.

.4 Minutes: Entity responsible for conducting the meeting will record and distribute the meeting minutes to each party present and to parties requiring information.
  .1 Schedule Updating: Revise Contractor's construction schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
    .1 Start-up construction schedule.
    .2 Contractor's construction schedule.
    .3 Daily construction reports.
    .4 Material location reports.
    .5 Field condition reports.
    .6 Special reports.

.2 Types of items you will not find described in this Section:
  .1 Procedures for submitting schedules and reports.
  .2 Requirements for submitting a schedule of tests and inspections.

1.3 SUBMITTALS

.1 Format for Submittals: Submit required submittals in the following format:
  .1 Three paper copies, one pdf and one editable copy.

.2 Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.

.3 Daily Construction Reports: Submit at weekly intervals.

.4 Field Condition Reports: Submit at time of discovery of differing conditions.

.5 Special Reports: Submit at time of unusual event.

1.4 COORDINATION

.1 Coordinate Contractor's construction schedule with the schedule of values, list of subcontracts, submittal schedule, progress reports, payment requests, and other required schedules and reports.
  .1 Secure time commitments for performing critical elements of the Work from entities involved.
  .2 Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

PART 2 - PRODUCTS

2.1 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

.1 Time Frame: Extend schedule from date established for commencement of the Work to date of final completion.

.1 Contract completion date shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.

.2 Activities: Treat each story or separate area as a separate numbered activity for each principal element of the Work. Comply with the following:
- .1 Activity Duration: Define activities so no activity is longer than 20 days, unless specifically allowed by Owner's Representative.
- .2 Procurement Activities: Include procurement process activities for any long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
- .3 Submittal Review Time: Include review and resubmittal times indicated in Division 01 Section *Submittal Procedures* in schedule. Coordinate submittal review times in Contractor's construction schedule with submittal schedule.
- .4 Start-up and Testing Time: Include not less than 10 days for start-up and testing.
- .5 Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Owner's Representative's administrative procedures necessary for certification of Substantial Completion.
- .6 Punch List and Final Completion: Include not more than 30 days for punch list and final completion.

.3 Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in schedule, and show how the sequence of the Work is affected.
- .1 Phasing: Arrange list of activities on schedule by phase.
- .2 Work by Owner: Include a separate activity for each portion of the Work performed by Owner.
- .3 Products Ordered in Advance: Include a separate activity for each product. Include delivery date indicated in Division 01 Section *Summary*. Delivery dates indicated stipulate the earliest possible delivery date.
- .4 Owner-Furnished Products: Include a separate activity for each product. Include delivery date indicated in Division 01 Section *Summary*. Delivery dates indicated stipulate the earliest possible delivery date.
- .5 Work Stages: Indicate important stages of construction for each major portion of the Work

.4 Milestones: Include milestones indicated in the Contract Documents in schedule, including, but not limited to, Construction Start Date, Substantial Completion, and final completion.

2.2 START-UP CONSTRUCTION SCHEDULE

.1 Bar-Chart Schedule: Submit start-up horizontal bar-chart-type construction schedule within seven days of date established for commencement of the Work.

.2 Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line. Outline significant construction activities for first 90 days of construction. Include skeleton diagram for the remainder of the Work and a cash requirement prediction based on indicated activities.

2.3 CONTRACTOR'S CONSTRUCTION SCHEDULE (GANTT CHART)

.1 Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal Gantt-chart-type, Contractor's construction schedule within 30 days of date established for commencement of the Work. Base schedule on the start-up construction schedule and additional information received since the start of Project.

.2 Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.
- .1 For construction activities that require three months or longer to complete, indicate an estimated completion percentage in 10 percent increments within time bar.

2.4 REPORTS

.1 Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
- .1 List of subcontractors at Project site.
- .2 List of separate contractors at Project site.
- .3 Approximate count of personnel at Project site.
- .4 Equipment at Project site.
- .5 Material deliveries.
- .6 High and low temperatures and general weather conditions, including presence of rain or snow.
- .7 Accidents.
- .8 Meetings and significant decisions.
- .9 Unusual events (refer to special reports).
- .10 Stoppages, delays, shortages, and losses.
- .11 Meter readings and similar recordings.
- .12 Emergency procedures.
- .13 Orders and requests of authorities having jurisdiction.
- .14 Change Orders received and implemented.
- .15 Construction Change Directives received and implemented.
- .16 Services connected and disconnected.
- .17 Equipment or system tests and startups.
- .18 Partial completions and occupancies.
- .19 Substantial Completions authorized.

.2 Field Condition Reports: Immediately on discovery of a difference between field conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.

2.5 SPECIAL REPORTS

.1 General: Submit special reports directly to Owner within one day(s) of an occurrence. Distribute copies of report to parties affected by the occurrence.

.2 Reporting Unusual Events: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.

PART 3 - EXECUTION

3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE

.1 Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule before each regularly scheduled progress meeting.
- .1 Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
- .2 Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
- .3 As the Work progresses, indicate final completion percentage for each activity.

.2 Distribution: Distribute copies of approved schedule to Owner's Representative Owner, inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.

.1 Post copies in Project meeting rooms and temporary field offices.

.2 When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Section includes requirements for the submittal schedule and administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.

.2 Related Sections:
- .1 Division 01 Section *Payment Procedures* for submitting Applications for Payment and the schedule of values.
- .2 Division 01 Section *Construction Progress Documentation* for submitting schedules and reports, including Contractor's construction schedule.
- .3 Division 01 Section *Operation and Maintenance Data* for submitting operation and maintenance manuals.
- .4 Division 01 Section *Project Record Documents* for submitting record Drawings, record Specifications, and record Product Data.
- .5 Division 01 Section *Demonstration and Training* for submitting video recordings of demonstration of equipment and training of Owner's personnel.

1.3 DEFINITIONS

.1 Action Submittals: Written and graphic information and physical samples that require Owner's Representative's responsive action. Action submittals are those submittals indicated in individual Specification Sections as action submittals.

.2 Informational Submittals: Written and graphic information and physical samples that do not require Owner's Representative's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as informational submittals.

.3 File Transfer Protocol (FTP): Communications protocol that enables transfer of files to and from another computer over a network and that serves as the basis for standard Internet protocols. An FTP site is a portion of a network located outside of network firewalls within which internal and external users are able to access files.

.4 Portable Document Format (PDF): An open standard file format licensed by Adobe Systems used for representing documents in a device-independent and display resolution-independent fixed-layout document format.

1.4 ACTION SUBMITTALS

.1 Submittal Schedule: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or modifications to submittals noted by the Owner's Representative and additional time for handling and reviewing submittals required by those corrections.
- .1 Coordinate submittal schedule with list of subcontracts, the schedule of values, and Contractor's construction schedule.

.2 Initial Submittal: Submit concurrently with start-up construction schedule. Include submittals required during the first 60 days of construction. List those submittals required to maintain orderly progress of the Work and those required early because of long lead time for manufacture or fabrication.

.3 Final Submittal: Submit concurrently with the first complete submittal of Contractor's construction schedule.

.1 Submit revised submittal schedule to reflect changes in current status and timing for submittals.

.4 Format: Arrange the following information in a tabular format:

.1 Scheduled date for first submittal.

.2 Specification Section number and title.

.3 Submittal category: Action, informational.

.4 Name of subcontractor.

.5 Description of the Work covered.

.6 Scheduled date for Owner's Representative's final release or approval.

.7 Scheduled dates for purchasing.

.8 Scheduled dates for installation.

.9 Activity or event number.

1.5 SUBMITTAL ADMINISTRATIVE REQUIREMENTS

.1 Owner's Representative's Digital Data Files: Electronic copies of CAD Drawings of the Contract Drawings will be provided by Owner's Representative for Contractor's use in preparing submittals.

.1 Owner's Representative will furnish Contractor one set of digital data drawing files of the Contract Drawings for use in preparing Shop Drawings.

.1 Owner's Representative makes no representations as to the accuracy or completeness of digital data drawing files as they relate to the Contract Drawings.

.2 Digital Drawing Software Program: The Contract Drawings are available in Autodesk AutoCAD 2014 format.

.3 Only the following plot files will by furnished for each appropriate discipline:

.1 Floor plans.

.2 Reflected ceiling plans.

.2 Coordination: Coordinate preparation and processing of submittals with performance of construction activities.

.1 Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.

.2 Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.

.3 Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.

.3 Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Owner's Representative's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.

.1 Initial Review: Allow 15 days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Owner's Representative will advise Contractor when a submittal being processed must be delayed for coordination.

.2 Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.

.3 Resubmittal Review: Allow 15 days for review of each resubmittal.

.4 Sequential Review: Where sequential review of submittals by Owner's Representative's consultants, Owner, or other parties is required, allow 21 days for initial review of each submittal.

.4 Identification and Information: Place a permanent label or title block on each paper copy submittal item for identification.

.1 Indicate name of firm or entity that prepared each submittal on label or title block.
.2 Include the following information for processing and recording action taken:
.1 Project name.
.2 Date.
.3 Name of Owner's Representative.
.4 Name of Contractor.
.5 Name of subcontractor.
.6 Name of supplier.
.7 Name of manufacturer.
.8 Submittal number or other unique identifier, including revision identifier.
.1 Submittal number shall use Specification Section number followed by a decimal point and then a sequential number (e.g., 06 10 00.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., 06 10 00.01.A).
.9 Number and title of appropriate Specification Section.
.10 Drawing number and detail references, as appropriate.
.11 Location(s) where product is to be installed, as appropriate.
.12 Other necessary identification.

.5 Options: Identify options requiring selection by the Owner's Representative.

.6 Deviations: Identify deviations from the Contract Documents on submittals.

.7 Additional Paper Copies: Unless additional copies are required for final submittal, and unless Owner's Representative observes noncompliance with provisions in the Contract Documents, initial submittal may serve as final submittal.

.8 Transmittal: Assemble each submittal individually and appropriately for transmittal and handling. Transmit each submittal using a transmittal form. Owner's Representative will discard submittals received from sources other than Contractor.
.1 Transmittal Form: Provide locations on form for the following information:
.1 Project name.
.2 Date.
.3 Category and type of submittal.
.4 Submittal purpose and description.
.5 Specification Section number and title.
.6 Indication of full or partial submittal.
.7 Remarks.
.8 Signature of transmitter.
.2 On an attached separate sheet, prepared on Contractor's letterhead, record relevant information, requests for data, revisions other than those requested by Owner's Representative on previous submittals, and deviations from requirements in the Contract Documents, including minor variations and limitations. Include same identification information as related submittal.

.9 Resubmittals: Make resubmittal in same form and number of copies as initial submittal.
.1 Note date and content of previous submittal.
.2 Note date and content of revision in label or title block and clearly indicate extent of revision.
.3 Resubmit submittals until they are marked with approval notation from Owner's Representative's action stamp.

.10 Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.

.11 Use for Construction: Use only final submittals that are marked with approval notation from Owner's Representative's action stamp.

PART 2 - PRODUCTS

2.1 SUBMITTAL PROCEDURES

.1 General Submittal Procedure Requirements: Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
  .1 Submittals in General; Submit three paper copies of each submittal, unless otherwise indicated. Owner's Representative will return no copies but will instead post a scanned version of the document in PDF to the project web Site and notify the Contractor of same via e-mail notice.
  .2 Closeout Submittals and Maintenance Material Submittals: Comply with requirements specified in Division 01 Section *Closeout Procedures*.
  .3 Test and Inspection Reports Submittals: Comply with requirements specified in Division 01 Section *Quality Requirements*.

.2 Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
  .1 If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as Product Data.
  .2 Mark each copy of each submittal to show which products and options are applicable.
  .3 Include the following information, as applicable:
    .1 Manufacturer's catalog cuts.
    .2 Manufacturer's product specifications.
    .3 Standard color charts.
    .4 Statement of compliance with specified referenced standards.
    .5 Testing by recognized testing agency.
    .6 Application of testing agency labels and seals.
    .7 Notation of coordination requirements.
    .8 Availability and delivery time information.
  .4 For equipment, include the following in addition to the above, as applicable:
    .1 Wiring diagrams showing factory-installed wiring.
    .2 Printed performance curves.
    .3 Operational range diagrams.
    .4 Clearances required to other construction, if not indicated on accompanying Shop Drawings.
  .5 Submit Product Data before or concurrent with Samples.

.3 Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data.
  .1 Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
    .1 Identification of products.
    .2 Schedules.
    .3 Compliance with specified standards.
    .4 Notation of coordination requirements.
    .5 Notation of dimensions established by field measurement.
    .6 Relationship and attachment to adjoining construction clearly indicated.
    .7 Seal and signature of professional engineer if specified.
  .2 Sheet Size: Except for templates, patterns, and similar full-size drawings, submit Shop Drawings whenever possible on sheets not larger than 11 x17"

.4 Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
  .1 Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
  .2 Identification: Attach label on unexposed side of Samples that includes the following:
    .1 Generic description of Sample.
    .2 Product name and name of manufacturer.
    .3 Sample source.
    .4 Number and title of applicable Specification Section.
  .3 Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
    .1 Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.
    .2 Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
  .4 Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available.
    .1 Number of Samples: Submit one full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line. Owner's Representative will return submittal with options selected.
  .5 Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.
    .1 Number of Samples: Submit two sets of Samples. Owner's Representative will retain two Sample sets; remainder will be returned a PDF scan of the sample.
      .1 Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.
      .2 If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least two sets of paired units that show approximate limits of variations.

.5 Contractor's Construction Schedule: Comply with requirements specified in Division 01 Section *Construction Progress Documentation*.

.6 Application for Payment: Comply with requirements specified in Division 01 Section *Payment Procedures*.

.7 Schedule of Values: Comply with requirements specified in Division 01 Section *Payment Procedures*.

.8 Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:
  .1 Name, address, and telephone number of entity performing subcontract or supplying products.
  .2 Number and title of related Specification Section(s) covered by subcontract.
  .3 Drawing number and detail references, as appropriate, covered by subcontract.

.9 Sustainability Submittals: Comply with requirements specified in Division 01 Section *Sustainable Design Requirements*.

.10 Coordination Drawings: Comply with requirements specified in Division 01 Section *Project Management and Coordination*.

.11 Schedule of Tests and Inspections: Comply with requirements specified in Division 01 Section *Quality Requirements*.

.12 Maintenance Data: Comply with requirements specified in Division 01 Section *Operation and Maintenance Data*.

2.2 DELEGATED-DESIGN SERVICES

.1 Performance and Design Criteria: Where professional design services or certifications by a design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with specific performance and design criteria indicated.
  .1 If criteria indicated are not sufficient to perform services or certification required, submit a written request for additional information to Owner's Representative.
  .2 Provide submittals and certificates sealed with by a professional identified by the Section who is licensed to practice in the project's jurisdiction; signifying compliance with the performance and design criteria in the Contract Documents. Indicate list of codes, loads, and other factors used in performing these services.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

.1 Action and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Owner's Representative .

.2 Project Closeout and Maintenance/Material Submittals: Refer to requirements in Division 01 Section *Closeout Procedures*.

.3 Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

3.2 OWNER'S REPRESENTATIVE'S ACTION

.1 General: Owner's Representative will not review submittals that do not bear Contractor's approval stamp and will return them without action.

.2 Action Submittals: Owner's Representative will review each submittal, make marks to indicate corrections or modifications required, and return it. Owner's Representative will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action.

.3 Submittals not required by the Contract Documents may not be reviewed and may be discarded.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Types of items described in this Section:

1. Health and safety requirements for projects located in Newfoundland and Labrador.

1.3 REFERENCES

A. Code and standards referenced in this section refer to the latest edition thereof.

B. Canadian Standards Association (CSA)

1. CSA S269.1 Falsework for Construction Purposes.
2. CAN/CSA-Z259.1 Safety Belts and Lanyards.
3. CAN/CSA-Z259.10 Full body Harnesses.
4. CAN/CSA-Z259.11 Shock Absorbers for Personal Fall Arrest Systems.
5. CAN/CSA-Z259.2, Fall Arresting Devices, Personnel Lowering Devices and Lifelines.
6. FCC No. 301 Standard for Construction Operations.
7. CSA Z275.2 Occupational Safety Code for Diving Operations.
8. CSA Z275.4 Competency Standard for Divers Operations.

C. FCC No. 302 Standard for Welding and Cutting.

D. Transportation of Dangerous Goods Act Regulations.

E. Newfoundland Occupational Health and Safety Act, Amended

F. Consolidated Newfoundland and Regulations 1149 WMIS Regulations Under the Occupational Health and Safety Act

G. Consolidated Newfoundland and Regulations 1165 Occupational Health and Safety Regulations under the Occupational Health and Safety Act.

H. Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations.

I. National Building Code of Canada.

1.4 SUBMITTALS

A. At least 10 (ten) working days prior to commencing any site work: submit to Owner's Representative copies of:

1. A complete Site Specific Hazard Assessment and Safety Program Table of Contents.
2. **Including requirments as outlined by the Department of Envrionmental Health & Safety, See APPENDIX A.**

B. Acceptance of the Project Health and Safety Hazard Assessment and Management Plan and other submitted documents by the Owner's Representative shall only be viewed as acknowledgement that the contractor has submitted the required documentation under this specification section.

C. Owner's Representative makes no representation and provides no warranty for the accuracy, completeness and legislative compliance of the Project Health and Safety Hazard Management Plan and other submitted documents by this acceptance.

D. Responsibility for errors and omissions in the Project Health and Safety Hazard Assessment and Management Plan and other submitted documents is not relieved by acceptance by Owner's Representative.

1.5 OCCUPATIONAL HEALTH AND SAFETY (PROJECT HEALTH AND SAFETY HAZARD ASSESSMENT AND MANAGEMENT PLANS)

A. Conduct operations in accordance with latest edition of the Newfoundland Occupational Health and Safety (OH&S) Act and Regulations.

B. Prepare a detailed Project Health and Safety Hazard Assessment and Management Plan for the Owner. Assessment shall identify, evaluate and control job specific hazards and the necessary control measures to be implemented for managing hazards.

C. Provide a copy of the Project Health and Safety Hazard Assessment and Management Plan upon request to Occupational Health and Safety Branch, Department of Labour, Province of Newfoundland and Labrador and the Owner.

D. The written Health and Safety Hazard Assessment and Management Plan shall incorporate the following:

1. A site-specific health and safety plan, refer to clause 1.6 Site-Specific Health and Safety Hazard Assessment and Management Plan of this section for requirements.
2. An organizational structure which shall establish the specific chain of command and specify the overall responsibilities of contractor's employees at the work site.
3. A comprehensive work plan which shall:

    a. define work tasks and objectives of site activities/operations and the logistics and resources required to reach these tasks and objectives
    b. establish personnel requirements for implementing the plan, and
    c. establish site specific training and notification requirements and schedules.

4. A personal protected equipment (PPE) Program which shall detail PPE:

    a. Selection criteria based on site hazards.
    b. Use, maintenance, inspection and storage requirements and procedures.

c. Decontamination and disposal procedures.
d. Inspection procedures prior to during and after use, and other appropriate medical considerations.
e. Limitations during temperature extremes, heat stress and other appropriate medical consideration.

5. An emergency response procedure, refer to Clause 1.7 Supervision and Emergency Response Procedure of this section for requirements.
6. A hazard communication program for informing workers, visitors and individuals outside of the work area as required.
7. A diving program which shall contain standard operating procedures to be followed in the diving operation.
8. A health and safety training program.
9. General safety rules.

E. Periodically review and modify as required each component of the Project Health and Safety Hazard Assessment and Management Plan when a new hazard is identified during completion of work and when an error or omission is identified in any part of the Project Health and Safety Hazard Assessment and Management Plan.

F. Implement all requirements of the Project Health and Safety Hazard Assessment and Management Plan.

1. Ensure that every person entering the project site is informed of requirements under the Project Health and Safety Hazard Assessment and Management Plan.
2. Take all necessary measures to immediately implement any engineering controls, administrative contacts, personal protective equipment required or termination of work procedures to ensure compliance with the Project Health and Safety Hazard Assessment and Management Plan.

1.6 SITE SPECIFIC HEALTH AND SAFETY PLAN

A. Prepare a detailed site Specific Project Health and Safety Plan which shall:

1. Contain certain hazard assessment results.
2. Identify engineering and administrative demonstrative controls (work-practices and procedures) to be implemented for managing identified and potential hazards, and comply with applicable federal and provincial legislation and more stringent requirements that have been specified in these specifications.

B. Review for completeness the hazard assessment results immediately prior to commencing work, when a new hazard is identified during completion of work and when an error or omission is identified.

1. Be solely responsible for investigating, evaluation and managing any report of actual or potential hazards.
2. Retain copies of all completed hazard assessments at the project site and make available to the Owner's Representative immediately upon request.

1.7 SUPERVISION AND EMERGENCY RESCUE PROCEDURE

A. Carry out work under the direct supervision of competent persons responsible for safety by ensuring the work complies with the appropriate section of OH&S Act and Regulations

B. Assign a sufficient number of supervisory personnel to the work site.

C. Provide a suitable means of communications for workers required to work alone.

D. Develop an emergency rescue plan for the job site and ensure that supervisors and workers are trained in the emergency rescue plan.

E. The emergency response plan shall address, as a minimum:

1. Pre-emergency planning.
2. Personnel roles, lines of authority and communication.
3. Emergency recognition and prevention.
4. Safe distances and places of refuge.
5. Site security and control
6. Evacuation routes and procedures
7. Decontamination procedures which are not covered by the site specific safety and health plan.
8. Emergency medical treatment and first aid.
9. Emergency alarm, notification and response procedures including procedures for reporting incidents to local, provincial and federal government departments.
10. PPE and emergency equipment.
11. Procedures for handling emergency incidents.
12. Site specific emergency response training requirements and schedules.
13. For diving operation, include procedures for:

    a. Managing deteriorating environmental conditions.
    b. Managing unexpected weather or sea-state condition.
    c. Evacuation of diver(s) under pressures greater that atmospheric pressure.
    d. In-water emergency transfers.
    e. Managing failing of equipment below the surface that impairs the ability of a diver to complete a dive.
    f. Managing failure of any major component of diving plant or equipment.
    g. Emergency signalling between divers involved in the diving program and between the diver(s) and the attendants using umbilical, tethers or other suitable methods.
    h. Mobilizing stand-by divers.
    i. Mobilizing crafts, stand-by boats and any other devices to be used for rescue.
    j. Contacting evacuation, rescue, treatment facilities and medical services that will be used in the diving program.
    k. Operation of emergency power and lighting facilities.

F. The emergency response procedures shall be rehearsed regularly as part of the overall training program.

G. Provide adequate first aid facilities for the jobsite and ensure that a minimum number of workers are trained in first aid in accordance with the First Aid Regulations.

1.8 CONTRACTORS SAFETY OFFICER

A. The contractor's Safety Officer will be solely responsible for the implementation and monitoring of the Project Health and Safety Hazard Assessment and Management Plan, and will have the authority to implement health and safety changes as directed by the Owner's Representative. The Safety Officer shall have as a minimum:

1. Completed training in hazardous occurrence management and response/protocols.
2. Completed training in the use, maintenance of fall protection systems.
3. Completed training in the design and construction of scaffolding.
4. Completed training in confined space entry protocols and techniques.
5. Completed training in First Aid.

6. Have working knowledge of occupational safety and health regulations.
7. Be responsible for completing Contractor's Health and Safety Training Sessions and ensuring that personnel not successfully completing required training are not permitted to enter site to perform Work.
8. Be responsible for implementing, enforcing daily and monitoring site-specific Contractor's Health and Safety Plan.
9. Be on site during execution of Work and report directly to and be under direction of site supervisor.

1.9 HEALTH AND SAFETY COMMITTEE

A. Establish an Occupational Health and Safety Committee where ten or more workers are employed on the job site as per the OH&S Act and Regulations.Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.

C. Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

1.10 RESPONSIBILITY

A. Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.

B. Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

1.11 UNFORESEEN HAZARDS

A. Should any unforeseen or peculiar safety-related factor, hazard, or condition become evident during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction. Advise Owner’s Representative verbally and in writing.

1.12 INSTRUCTION AND TRAINING

A. Workers shall not participate in or supervise any activity on the work site until they have been trained to a level required by this job function and responsibility. Training shall as a minimum thoroughly cover the following:

1. Federal and Provincial Health and Safety Legislation requirements including roles and responsibilities of workers and person(s) responsible for implementing, monitoring and enforcing health and safety requirements.
2. Safety and health hazards associated with working on a contaminated site including recognition of symptoms and signs which might indicate over exposure to hazards.
3. Limitations, use, maintenance and disinfection-decontamination of personal protective equipment associated with completing work.
4. Limitations, use, maintenance and care of engineering controls and equipment.

5. Limitations and use of emergency notifications and response equipment including emergency response protocol.
6. Work practices and procedures to minimize the risk of an accident and hazardous occurrence from exposure to a hazard.

B. Provide and maintain training of workers, as required, by Federal and Provincial legislation.

C. Provide copies of all safety training certificates, upon request, to Owner's Representative for review, and to be maintained on the worker when they enter the work site.

D. Authorized visitors shall not access the work site until they have been:

1. Notified of the names of persons responsible for implementing, monitoring and enforcing the Health and Safety Hazard Assessment and Management Plan.
2. Briefed on safety and health hazards present on the site.
3. Instructed in the proper use and limitations of personal protective equipment.
4. Briefed as the emergency response protocol including notification and evacuation process.
5. Informed of practices and procedures to minimize risks from hazards and applicable to activities performed by visitors.

1.13 CONSTRUCTION SAFETY MEASURES

A. Observe construction safety measures of National Building Code, latest edition, Provincial Government, OH&S Act and Regulations, Workplace Health and Safety and Compensation Commission and Municipal Authority provided that in any case of conflict or discrepancy more stringent requirements shall apply.

B. Administer the project in a manner that will ensure, at all times, full compliance with Federal and Provincial Acts, regulations and applicable safety codes and the site Health and Safety Hazard Assessment and Management Plan.

C. Provide Owner's Representative with copies of all orders, directions and any other documentation, issued by the Provincial Department of Government Services, Occupational Health and Safety branch immediately after receipt.

1.14 POSTING OF DOCUMENTS

A. Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province and authority having jurisdiction, and in consultation with Owner's Representative.

1.15 HEALTH AND SAFETY MONITORING

A. Periodic inspections of the contractor's work may be carried out by the Owner's Representative to maintain compliance with the Health and Safety Program. Inspections will include visual inspections as well as testing and sampling as required.

B. The contractor shall be responsible for any and all costs associated with delays as a result of contractor's failure to comply with the requirements outlined in this section.

1.16 CORRECTION OF NON-COMPLIANCE

A. Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by Owner's Representative.

B. Provide Owner's Representative with written report of action taken to correct non-compliance of health and safety issues identified.

C. Owner's Representative may stop work if non-compliance of health and safety regulations is not corrected.

1.17 WHMIS

A. Ensure that all controlled products are in accordance with the Workplace Hazardous Materials Information System (WHMIS) Regulations and Chemical Substances of the OH&S Act and Regulations regarding use, handling, labelling, storage, and disposal of hazardous materials.

B. Deliver copies of relevant (Material) Safety Data Sheets (SDS) to job site and the Owner's Representative. The SDS must be acceptable to Labour Canada and Health and Welfare Canada for all controlled products that will be used in the performance of this work.

C. Train workers required to use or work in close proximity to controlled products as per OH&S Act and Regulations.

D. Label controlled products at jobsite as per OH&S and Regulations.

E. Provide appropriate emergency facilities as specified in the SDS where workers might be exposed to contact with chemicals, e.g. eye-wash facilities, emergency shower.

1. Workers to be trained in use of such emergency equipment.

F. Contractor shall provide appropriate personal protective equipment as specified in the SDS where workers are required to use controlled products.

1. Properly fit workers for personal protective equipment
2. Train workers in care, use and maintenance of personal protective equipment.

G. No controlled products are to be brought on-site without prior approved SDS.

H. The SDS are to remain on site at all times.

1.18 OVERLOADING

A. Ensure no part of work or associated equipment is subjected to loading that will endanger its safety or will cause permanent deformation.

1.19 FALSEWORK

A. Design and construct falsework in accordance with CSA S269.1.

1.20 SCAFFOLDING

A. Design, erect and maintain scaffolding in accordance with CSA S269.2 and Sections 91-97 of the OH&S Act and Regulations.

B. Ensure that fall-restraint or fall-arrest devices are used by all workers working at elevations greater than 3.05 metres above grade or floor level in accordance with CSA Z259.

1.21 PERSONAL PROTECTIVE EQUIPMENT

A. Ensure workers on the jobsite use personal protective equipment appropriate to the hazards identified in the Hazard Assessment and Management Plan and those workers are trained in the proper care, use, and maintenance of such equipment.

B. PPE selections shall be based on an evaluation of the performance characteristics of the PPE relative to the requirements and limitations of the site, task-specific conditions, duration and hazards and potential hazards identified on site.

C. Provide workers and visitors to the site with proper respiratory protection equipment.

1. No work shall be performed in an area where an airborne contaminant exceeds one half (½) the IDLH concentration.
2. Respiratory protection shall be provided in accordance with the requirements of the Occupational Health and Safety Branch, Department of Labour of the Province of Newfoundland and Labrador and these specifications.
3. Establish, implement and maintain a respirator inspection and maintenance program.
4. Copies of all respirator owners' maintenance manuals shall be kept at all times at the contractor's site office.

D. Provide and maintain a supply of dermal protection equipment to allow visitors and all workers proper dermal protection.

1. Dermal protection shall be sufficient to act as a protective barrier between the skin and an airborne contaminant or hazardous material. Dermal protection shall also be provided for all physical hazards.
2. Dermal protection equipment shall not be used after exceeding 75% of the break through time. The break through time shall be based on the contaminant which requires the least amount of time to break through the protective equipment
3. Copies of all dermal protection user specifications, owners and maintenance manuals shall be kept at all times at the contractor's site office.
4. Establish, implement and maintain air inspection program to ensure proper dermal protection in accordance with CSA, NIOSH, U.S. EPA and manufacturer's requirements.

E. Provide all workers and up to two (2) visitors to the site with proper hearing protection. Workers and visitors shall not be exposed to noise levels greater than 85 dB (A) over an eight hour shift without proper hearing protection.

F. Provide all workers and up to two (2) visitors to the site with CSA approved eye protection sufficient to act as a protective barrier between the eye and airborne contaminants, hazardous materials and physical hazard.

G. Provide workers and up to two (2) visitors to the site with CSA approved hard hats.

1.22 EXCAVATION SAFETY

A. Protect excavations more than 1.25 metres deep against cave-ins or wall collapse by side wall sloping to the appropriate angle of repose, an engineered shoring/sheathing system or an approved trench box.

1. Provide a ladder which can extend from the bottom of the excavation to at least 0.91 metres above the top of the excavation.

B. Ensure that all excavations less than 1.25 metres deep are effectively protected when hazardous ground movement may be expected.

C. Design trench boxes, certified by a registered Professional Engineer, and fabricated by a reputable manufacturer. Provide the manufacturer's Depth Certificate Statement permanently affixed. Use trench boxes in strict accordance with manufacturer's instructions and depth certification data.

D. For excavations deeper than six (6) metres, provide a certificate from a registered Professional Engineer stating that the protection methods proposed have been properly designed in accordance with accepted engineering practice. The engineer's certificate shall verify that the trench boxes, if used, are properly designed and constructed to suit the depth and soil conditions.

1. Ensure that the superintendent and every crew chief, foreperson and lead hand engaged in trenching operations or working in trenches have in his/her possession a copy of the Department of Labour's "Trench Excavation Safety Guide".

1.23 CONFINED SPACE WORK

A. Comply with requirements of Canada Occupational Safety and Health Regulations, Part XI and Consolidated Regulations Newfoundland and Labrador (CRNL) OH&S 1165/96.

B. Provide approved air monitoring equipment where workers are working in confined spaces and ensure any test equipment to be used is calibrated, in good working order and used by trained persons.

C. Develop a confined space entry program specific to the nature of work performed and in accordance with OH&S Act and Regulations and ensure supervisors and workers are trained in the confined space entry program.

1. Ensure that personal protective equipment and emergency rescue equipment appropriate to the nature of the work being performed is provided and used.

D. Provide and maintain training of workers, as required by the Federal and Provincial Legislation.

E. Provide Owner's Representative with a copy of an "Entry Permit" for each entry into the confined space to ensure compliance with Federal and Provincial Legislation.

1.24 HAZARDOUS MATERIALS

A. Should material resembling hazardous materials (asbestos/mould) be encountered during the execution of work and notify Owner's Representative. Do not proceed until written instructions have been received from Owner's Representative.

B. Unless otherwise noted, for hazardous materials abatement and repair, employ the services of a recognized Environmental Consultant to provide all air monitoring and testing services for regulatory requirements.

1.25 HEAVY EQUIPMENT

A. Ensure mobile equipment used on jobsite is of the type specified in OH&S Act and Regulations fitted with a Roll Over Protective (ROP) Structure.

B. Provide certificate of training in Power Line Hazards for operators of heavy equipment.

C. Obtain written clearance from the power utility where equipment is used in close proximity to (within 5.5 metres) overhead or underground power lines.

D. Equip cranes with:

1. A mechanism which will effectively prevent the hook assembly from running into the top boom pulley.
2. A legible load chart.
3. A maintenance log book.

1.26 WORK STOPPAGE

A. Give precedence to safety and health of public and site personnel and protection of environment over cost and schedule considerations of Work.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 DEFINITIONS

.1 Hazardous Material: Product, substance, or organism that is used for its original purpose; and that is either dangerous goods or a material that may cause adverse impact to the environment or adversely affect health of persons, animals, or plant life when released into the environment.

1.3 FIRES

.1 Fires and burning of rubbish on site not permitted.

1.4 HAZARDOUS MATERIAL HANDLING

.1 Store and handle hazardous materials in accordance with applicable federal and provincial laws, regulations, codes and guidelines. Store in location that will prevent spillage into the environment

.2 Label containers to WHMIS requirements and keep MSDS data sheets on site for all hazardous materials.

.3 Maintain inventory of hazardous materials and hazardous waste stored on site. List items by product name, quantity and date when storage began.

.4 Store and handle flammable and combustible materials in accordance with National Fire Code.

.5 Transport hazardous materials in accordance with federal Transportation of Dangerous Goods Regulations and applicable Provincial regulations.

1.5 DISPOSAL OF WASTES

.1 Do not bury rubbish and waste materials on site. Dispose in accordance with project waste management requirements

.2 Do not dispose of hazardous waste or volatile materials, such as mineral spirits, paints, thinners, oil or fuel into waterways, storm or sanitary sewers or waste landfill sites.

.3 Dispose of hazardous waste in accordance with applicable federal and provincial laws, regulations, codes and guidelines.

1.6 DRAINAGE

.1 Provide temporary drainage and pumping as necessary to keep excavations and site free from water.

.2 Do not pump water containing suspended materials into waterways, sewer or drainage systems.

.3 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with governing regulations and requirements.

.4 Provide control devices such as filter fabrics, sediment traps and settling ponds to control drainage and prevent erosion of adjacent lands. Maintain in good order for duration of work.

1.7 SITE AND PLANT PROTECTION

.1 Protect trees and plants on site and adjacent properties where indicated.

.2 Wrap in burlap, trees and shrubs adjacent to construction work, storage areas and trucking lanes, and encase with protective wood framework from grade level to height of 2 m.

.3 Protect roots of designated trees to dripline during excavation and site grading to prevent disturbance or damage. Avoid unnecessary traffic, dumping and storage of materials over root zones.

.4 Minimize stripping of topsoil and vegetation.

.5 Restrict tree removal to areas indicated or designated by Owner's Representative.

1.8 WORK ADJACENT TO WATERWAYS

.1 Do not operate construction equipment in waterways.

.2 Do not use waterway beds for borrow material.

.3 Do not dump excavated fill, waste material or debris in waterways.

.4 At borrow sites, design and construct temporary crossings to minimize erosion to waterways in strict conformance with provincial and federal environmental regulations.

.5 Do not skid logs or construction materials across waterways.

.6 Avoid indicated spawning beds when constructing temporary crossings of waterways.

.7 Do not blast under water or 100 m of spawning beds.

.8 Do not refuel any type of equipment within 100 meters of a water body. Maintain equipment in good working condition with no fluid leaks, loose hoses or fittings.

1.9 POLLUTION CONTROL

.1 Maintain temporary erosion and pollution control features installed under this contract.

.2 Control emissions from equipment and plant to local authorities emission requirements.

.3 Prevent sandblasting and other extraneous materials from contaminating air beyond application area, by providing temporary enclosures.

.4 Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads and around entire construction site.

.5 Have appropriate emergency spill response equipment and rapid clean-up kit on site located adjacent to hazardous materials storage area. Provide personal protective equipment required for clean-up.

.6 Report, spills of petroleum and other hazardous materials as well as accidents having potential of polluting the environment to Federal and Provincial Department of the Environment.

.7 Notify Owner's Representative and submit a written spill report to Owner's Representative within 24 hours of occurrence.

1.10 WILDLIFE PROTECTION

.1 Should nests of migratory birds in wetlands be encountered during work, immediately notify Owner's Representative for directives to be followed.
  .1 Do not disturb nest site and neighbouring vegetation until nesting is completed.
  .2 Minimize work immediately adjacent to such areas until nesting is completed.
  .3 Protect these areas by following recommendations of Canadian Wildlife Service.

END OF SECTION 01 35 43

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Administrative and procedural requirements for quality assurance and quality control.

.2 Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
  .1 Specific quality-assurance and -control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.
  .2 Specified tests, inspections, and related actions do not limit Contractor's other quality-assurance and -control procedures that facilitate compliance with the Contract Document requirements.
  .3 Requirements for Contractor to provide quality-assurance and -control services required by Owner's Representative, Owner, or authorities having jurisdiction are not limited by provisions of this Section.

.3 Types of items you will not find described in this Section:
  .1 Allowances for testing and inspecting allowances.
  .2 Developing a schedule of required tests and inspections.
  .3 Divisions 02 through 49 Sections for specific test and inspection requirements.

1.3 DEFINITIONS

.1 Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.

.2 Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual products incorporated into the Work and completed construction comply with requirements. Services do not include contract enforcement activities performed by Owner's Representative.

.3 Mock-ups: Full size physical assemblies that are constructed on-site. Mock-ups are constructed to verify selections made under sample submittals; to demonstrate aesthetic effects and, where indicated, qualities of materials and execution; to review coordination, testing, or operation; to show interface between dissimilar materials; and to demonstrate compliance with specified installation tolerances. Mock-ups are not Samples. Unless otherwise indicated, approved mock-ups establish the standard by which the Work will be judged.

.4 Preconstruction Testing: Tests and inspections performed specifically for the Project before products and materials are incorporated into the Work to verify performance or compliance with specified criteria.

.5 Product Testing: Tests and inspections that are performed by a testing agency qualified to conduct product testing and acceptable to authorities having jurisdiction, to establish product performance and compliance with specified requirements.

.6 Source Quality-Control Testing: Tests and inspections that are performed at the source, i.e., plant, mill, factory, or shop.

.7 Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.

.8 Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.

.9 Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.

.1 Use of trade-specific terminology in referring to a trade or entity does not require that certain construction activities be performed by accredited or unionized individuals, or that requirements specified apply exclusively to specific trade or trades.

.10 Experienced: When used with an entity or individual, *experienced* means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

1.4 CONFLICTING REQUIREMENTS

.1 Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to Owner's Representative for a decision before proceeding.

.2 Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Owner's Representative for a decision before proceeding.

1.5 SUBMITTALS

.1 Shop Drawings: For laboratory mock-ups, provide plans, sections, and elevations, indicating materials and size of mock-up construction.

.1 Indicate manufacturer and model number of individual components.

.2 Provide axonometric drawings for conditions difficult to illustrate in two dimensions.

1.6 SUBMITTALS

.1 Contractor's Quality-Control Plan: For quality-assurance and quality-control activities and responsibilities.

.2 Contractor's Quality-Control Manager Qualifications: For supervisory personnel.

.3 Testing Agency Qualifications: For testing agencies specified in *Quality Assurance* Article to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.

.4 Schedule of Tests and Inspections: Prepare in tabular form and include the following:

.1 Specification Section number and title.
.2 Entity responsible for performing tests and inspections.
.3 Description of test and inspection.
.4 Identification of applicable standards.
.5 Identification of test and inspection methods.
.6 Number of tests and inspections required.
.7 Time schedule or time span for tests and inspections.
.8 Requirements for obtaining samples.
.9 Unique characteristics of each quality-control service.

1.7 CONTRACTOR'S QUALITY-CONTROL PLAN

.1 Quality-Control Plan, General: Submit quality-control plan within 10 days of Notice of Award, and not less than five days prior to preconstruction conference. Submit in format acceptable to Owner's Representative. Identify personnel, procedures, controls, instructions, tests, records, and forms to be used to carry out Contractor's quality-assurance and quality-control responsibilities. Coordinate with Contractor's construction schedule.

.2 Quality-Control Personnel Qualifications: Engage qualified full-time personnel trained and experienced in managing and executing quality-assurance and quality-control procedures similar in nature and extent to those required for Project.
.1 Project quality-control manager may also serve as Project superintendent.

.3 Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process. Indicate qualifications of personnel responsible for submittal review.

.4 Testing and Inspection: Include in quality-control plan a comprehensive schedule of Work requiring testing or inspection, including the following:
.1 Contractor-performed tests and inspections including subcontractor-performed tests and inspections. Include required tests and inspections and Contractor-elected tests and inspections.
.2 Owner-performed tests and inspections indicated in the Contract Documents, including tests and inspections indicated to be performed by the Commissioning Authority, if applicable.

.5 Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring work into compliance with standards of workmanship established by Contract requirements and approved mock-ups.

.6 Monitoring and Documentation: Maintain testing and inspection reports including log of approved and rejected results. Include work Owner's Representative has indicated as nonconforming or defective. Indicate corrective actions taken to bring nonconforming work into compliance with requirements. Comply with requirements of authorities having jurisdiction.

1.8 REPORTS AND DOCUMENTS

.1 Test and Inspection Reports: Prepare and submit certified written reports specified in other Sections. Include the following:
.1 Date of issue.
.2 Project title and number.
.3 Name, address, and telephone number of testing agency.
.4 Dates and locations of samples and tests or inspections.
.5 Names of individuals making tests and inspections.
.6 Description of the Work and test and inspection method.

.7 Identification of product and Specification Section.
.8 Complete test or inspection data.
.9 Test and inspection results and an interpretation of test results.
.10 Record of temperature and weather conditions at time of sample taking and testing and inspecting.
.11 Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
.12 Name and signature of laboratory inspector.
.13 Recommendations on retesting and reinspecting.

.2 Manufacturer's Technical Representative's Field Reports: Prepare written information documenting manufacturer's technical representative's tests and inspections specified in other Sections. Include the following:
.1 Name, address, and telephone number of technical representative making report.
.2 Statement on condition of substrates and their acceptability for installation of product.
.3 Statement that products at Project site comply with requirements.
.4 Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
.5 Results of operational and other tests and a statement of whether observed performance complies with requirements.
.6 Statement whether conditions, products, and installation will affect warranty.
.7 Other required items indicated in individual Specification Sections.

.3 Factory-Authorized Service Representative's Reports: Prepare written information documenting manufacturer's factory-authorized service representative's tests and inspections specified in other Sections. Include the following:
.1 Name, address, and telephone number of factory-authorized service representative making report.
.2 Statement that equipment complies with requirements.
.3 Results of operational and other tests and a statement of whether observed performance complies with requirements.
.4 Statement whether conditions, products, and installation will affect warranty.
.5 Other required items indicated in individual Specification Sections.

.4 Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

1.9 QUALITY ASSURANCE

.1 General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.

.2 Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

.3 Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

.4 Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.

.5 Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar to those indicated for this Project in material, design, and extent.

.6 Specialists: Certain Specification Sections require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for the activities indicated.

.1 Requirements of authorities having jurisdiction shall supersede requirements for specialists.

.7 Testing Agency Qualifications: An independent agency with the experience and capability to conduct testing and inspecting indicated, as documented according to ASTM E 329; and with additional qualifications specified in individual Sections; and where required by authorities having jurisdiction, that is acceptable to authorities.

.8 Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

.9 Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

.10 Preconstruction Testing: Where testing agency is indicated to perform preconstruction testing for compliance with specified requirements for performance and test methods, comply with the following:

.1 Contractor responsibilities include the following:

.1 Provide test specimens representative of proposed products and construction.

.2 Submit specimens in a timely manner with sufficient time for testing and analyzing results to prevent delaying the Work.

.3 Provide sizes and configurations of test assemblies, mock-ups, and laboratory mock-ups to adequately demonstrate capability of products to comply with performance requirements.

.4 Build site-assembled test assemblies and mock-ups using installers who will perform same tasks for Project.

.5 Build laboratory mock-ups at testing facility using personnel, products, and methods of construction indicated for the completed Work.

.6 When testing is complete, remove test specimens, assemblies, mock-ups; do not reuse products on Project.

.2 Testing Agency Responsibilities: Submit a certified written report of each test, inspection, and similar quality-assurance service to Owner's Representative, with copy to Contractor. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.

.11 Mock-ups: Before installing portions of the Work requiring mock-ups, build mock-ups for each form of construction and finish required to comply with the following requirements, using materials indicated for the completed Work:

.1 Build mock-ups in location and of size indicated or, if not indicated, as directed by Owner's Representative.

.2 Notify Owner's Representative seven days in advance of dates and times when mock-ups will be constructed.

.3 Employ supervisory personnel who will oversee mock-up construction. Employ workers that will be employed during the construction at the Project.

.4 Demonstrate the proposed range of aesthetic effects and workmanship.

.5 Obtain Owner's Representative's approval of mock-ups before starting work, fabrication, or construction.

.1 Allow seven days for initial review and each re-review of each mock-up.

.6 Maintain mock-ups during construction in an undisturbed condition as a standard for judging the completed Work.

.7 Demolish and remove mock-ups when directed, unless otherwise indicated.

1.10 QUALITY CONTROL

.1 Owner Responsibilities: Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services.

.1 Owner will furnish Contractor with names, addresses, and telephone numbers of testing agencies engaged and a description of types of testing and inspecting they are engaged to perform.

.2 Payment for these services will be made from testing and inspecting allowances, as authorized by Change Orders; or made directly by the Owner.

.3 Costs for retesting and reinspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Contractor, and the Contract Sum will be adjusted by Change Order.

.2 Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner are Contractor's responsibility. Perform additional quality-control activities required to verify that the Work complies with requirements, whether specified or not.

.1 Unless otherwise indicated, provide quality-control services specified and those required by authorities having jurisdiction. Perform quality-control services required of Contractor by authorities having jurisdiction, whether specified or not.

.2 Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services.

.1 Contractor shall not employ same entity engaged by Owner, unless agreed to in writing by Owner.

.3 Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.

.4 Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in triplicate, of each quality-control service.

.5 Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.

.6 Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.

.3 Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing as specified in Division 01 Section *Submittal Procedures*.

.4 Manufacturer's Technical Services: Where indicated, engage a manufacturer's technical representative to observe and inspect the Work. Manufacturer's technical representative's services include participation in preinstallation conferences, examination of substrates and conditions, verification of materials, observation of Installer activities, inspection of completed portions of the Work, and submittal of written reports.

.5 Retesting/Reinspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.

.6 Testing Agency Responsibilities: Cooperate with Owner's Representative and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.

.1 Notify Owner's Representative and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.

.2 Determine the location from which test samples will be taken and in which in-situ tests are conducted.

.3 Conduct and interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
.4 Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Contractor.
.5 Do not release, revoke, alter, or increase the Contract Document requirements or approve or accept any portion of the Work.
.6 Do not perform any duties of Contractor.

.7 Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:
.1 Access to the Work.
.2 Incidental labor and facilities necessary to facilitate tests and inspections.
.3 Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
.4 Facilities for storage and field curing of test samples.
.5 Preliminary design mix proposed for use for material mixes that require control by testing agency.
.6 Security and protection for samples and for testing and inspecting equipment at Project site.

.8 Coordination: Coordinate sequence of activities to accommodate required quality-assurance and -control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
.1 Schedule times for tests, inspections, obtaining samples, and similar activities.

.9 Schedule of Tests and Inspections: Prepare a schedule of tests, inspections, and similar quality-control services required by the Contract Documents. Coordinate and submit concurrently with Contractor's construction schedule. Update as the Work progresses. .
.1 Distribution: Distribute schedule to Owner, Owner's Representative, testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 TEST AND INSPECTION LOG

.1 Prepare a record of tests and inspections. Include the following:
.1 Date test or inspection was conducted.
.2 Description of the Work tested or inspected.
.3 Date test or inspection results were transmitted to Owner's Representative.
.4 Identification of testing agency or special inspector conducting test or inspection.

.2 Maintain log at Project site. Post changes and modifications as they occur. Provide access to test and inspection log for Owner's Representative's reference during normal working hours.

3.2 REPAIR AND PROTECTION

.1 General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
.1 Provide materials and comply with installation requirements specified in other Specification Sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining

areas with durable seams that are as invisible as possible. Comply with the Contract Document requirements for cutting and patching in Division 01 Section *Execution*.

.2 Protect construction exposed by or for quality-control service activities.

.3 Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Requirements for temporary utilities, support facilities, and security and protection facilities.

.2 Types of items you will not find described in this Section:
  .1 Work restrictions and limitations on utility interruptions.
  .2 Disposal of ground water at project site.
  .3 Construction and maintenance of cement concrete pavement for temporary roads and paved areas.

1.3 USE CHARGES

.1 General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities to use temporary services and facilities without cost, including, but not limited to, Owner's Representative, occupants of Project, testing agencies, and authorities having jurisdiction.

.2 Sewer Service: If Contractor provides his own sewer hock-up, pay usage by all entities for construction operations.

.3 Water Service: If Contractor provides his own water service hock-up, pay use charges for water used by all entities for construction operations.

.4 Electric Power Service: If Contractor provides his own electric power service hock-up, pay electric power service use charges for electricity used by all entities for construction operations.

.5 Water and Sewer Service from Existing System: If the Owner has an existing waters system available to use, it is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

.6 Electric Power Service from Existing System: If the Owner has an existing electric power system available to use, it is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

1.4 SUBMITTALS

.1 Site Plan: For projects requiring onsite trailers and temporary utility hook-ups, show temporary facilities, utility hookups, staging areas, and parking areas for construction personnel.

.2 Erosion- and Sedimentation-Control Plan: Show compliance with requirements of authorities having jurisdiction.

.3 Moisture-Protection Plan: Describe procedures and controls for protecting materials and construction from water absorption and damage, including delivery, handling, and storage provisions for materials subject to water absorption or water damage, discarding water-damaged materials, protocols for mitigating water intrusion into completed Work, and replacing water damaged Work.

.1 Indicate sequencing of work that requires water, such as sprayed fire-resistive materials, plastering, and terrazzo grinding, and describe plans for dealing with water from these operations. Show procedures for verifying that wet construction has dried sufficiently to permit installation of finish materials.

.4 Dust-Control and HVAC-Control Plan: Submit coordination drawing and narrative as required to describe the dust-control and HVAC-control measures proposed for use, proposed locations, and proposed time frame for their operation. Identify further options if proposed measures are later determined to be inadequate. Include the following:
.1 Locations of dust-control partitions at each phase of the work.
.2 HVAC system isolation schematic drawing.
.3 Location of proposed air filtration system discharge.
.4 Other dust-control measures.
.5 Waste management plan.

1.5 QUALITY ASSURANCE

.1 Electric Service: Comply with requirements of local utility company and authorities having jurisdiction and regulations for temporary electric service. Install service to comply with National Electrical Code of Canada.

.2 Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.

.3 Accessible Temporary Egress: For Work on existing buildings that current has wheel chair access, maintain access.

1.6 PROJECT CONDITIONS

.1 Temporary Use of Permanent Facilities: Engage installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Chain-Link Fencing: Minimum 50 mm , 3.8 mm thick, galvanized steel, chain-link fabric fencing; minimum 1.8 m high with galvanized steel pipe posts; minimum 60 mm OD line posts and 73 mm OD corner and pull posts.

.2 Portable Chain-Link Fencing: Minimum 50 mm , 3.8 mm thick, galvanized steel, chain-link fabric fencing; minimum 1.8 m high with galvanized steel pipe posts; minimum 60 mm OD line posts and 73 mm OD corner and pull posts, with 42 mm OD top and bottom rails. Provide concrete bases for supporting posts.

.3 Wood Enclosure Fence: Plywood, 2.4 m high, framed with four 50-by-100 mm rails, wood posts spaced not more than 2.4 m apart.

.4 Polyethylene Sheet: Reinforced, fire-resistive sheet, 0.25 mm minimum thickness, with flame-spread rating of 15 or less per ASTM E 84.

.5 Dust Control Adhesive-Surface Walk-off Mats: Provide mats minimum 914 by 1624 mm.

.6 Insulation: Unfaced mineral-fibre blanket, manufactured from glass, slag wool, or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively.

2.2 TEMPORARY FACILITIES

.1 Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.

.2 Common-Use Field Office; for all projects involving the construction of new buildings and when required by the Contractor, provide common-use Field Office of sufficient size to accommodate needs of construction personnel office activities and to accommodate project meetings specified in other Division 01 Sections. Keep office clean and orderly. Furnish and equip offices as follows:
.1 Furniture required for Project-site documents including file cabinets, plan tables, plan racks, and bookcases.
.2 Conference room of sufficient size to accommodate meetings of 10 individuals. Provide electrical power service and 120-V ac duplex receptacles, with not less than 1 receptacle on each wall. Furnish room with conference table, chairs, and 1.2-m- square tack and marker boards.
.3 Drinking water.
.4 Heating equipment necessary to maintain indoor temperature of 20 to 22 deg C.
.5 Lighting fixtures capable of maintaining average illumination of 215 lx at desk height.

.3 Storage and Fabrication Sheds: for all projects involving the construction of new buildings and when required by the Contractor provide sheds sized, furnished, and equipped to accommodate materials and equipment for construction operations.
.1 Store combustible materials apart from building.

2.3 EQUIPMENT

.1 Fire Extinguishers: Portable, ULC rated; with class and extinguishing agent as required by locations and classes of fire exposures.

.2 HVAC Equipment: for all projects involving the construction of new buildings and when required by the Contractor, provide vented, self-contained, liquid-propane-gas or fuel-oil heaters with individual space thermostatic control, unless Owner authorizes use of permanent HVAC system.
.1 Use of gasoline-burning space heaters, open-flame heaters, or salamander-type heating units is prohibited.
.2 Heating Units: Listed and labelled for type of fuel being consumed, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
.3 Permanent HVAC System: If Owner authorizes use of permanent HVAC system for temporary use during construction, provide filter with MERV of 8 at each return air grille in system and remove at end of construction and clean HVAC system as required in Division 01 Section *Closeout Procedures*.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

.1 Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
.1 Locate facilities to limit site disturbance as specified in Division 01 Section *Summary*.

.2 Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2 TEMPORARY UTILITY INSTALLATION

.1 General: Install temporary service or connect to existing service.

.1 Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.

.2 Sewers and Drainage:
.1 For work on existing buildings equipped with sufficient sewers and drainage to meet the Owner's needs and the needs for construction, connect to Owner's existing sewers as required.
.2 For all other projects: Provide service of size and capacity needed for construction to remove effluent lawfully.

.3 Water Service: Install water distribution piping in sizes and pressures adequate for construction.
.1 For work on existing buildings equipped with an water service to meet the Owner's needs and the needs for construction, connect to Owner's existing water service as required.
.2 For all other projects: Provide water service of size and pressures adequate for construction.

.4 Sanitary Facilities:
.1 For work on existing buildings with adequate sanitary facilities to meet the Owner's need and the needs for construction, Use of Owner's existing sanitary facilities will be permitted, as long as facilities are cleaned and maintained in a condition acceptable to Owner.
.2 For all other projects: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

.5 Heating: Provide temporary heating required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of low temperatures or high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed.

.6 Isolation of Work Areas in Occupied Facilities: Prevent dust, fumes, and odors from entering occupied areas.
.1 Prior to commencing work, isolate the HVAC system in area where work is to be performed in accordance with approved coordination drawings.
.1 Disconnect supply and return ductwork in work area from HVAC systems servicing occupied areas.
.2 Maintain negative air pressure within work area using HEPA-equipped air filtration units, starting with commencement of temporary partition construction, and continuing until removal of temporary partitions is complete.
.2 Maintain dust partitions during the Work. Use vacuum collection attachments on dust-producing equipment. Isolate limited work within occupied areas using portable dust containment devices.
.3 Perform daily construction cleanup and final cleanup using approved, HEPA-filter-equipped vacuum equipment.

.7 Ventilation and Humidity Control: Provide temporary ventilation required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed. Coordinate ventilation requirements to produce ambient condition required and minimize energy consumption.
.1 Provide dehumidification systems when required to reduce substrate moisture levels to level required to allow installation or application of finishes.

.8 Electric Power Service: Provide electric power distribution system of sufficient size, capacity, and power characteristics required for construction operations.
.1 For work on existing buildings equipped with an adequate electric service to meet the Owner's needs and the needs for construction, connect to Owner's existing electric power service and maintain equipment in a condition acceptable to Owner.
.2 For all other projects: Provide electric power service of sufficient size, capacity, and power characteristics required for construction operations.

.1 Install electric power service overhead, unless otherwise indicated.

.9 Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
.1 Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.

3.3 SUPPORT FACILITIES INSTALLATION

.1 General: Comply with the following:
.1 Provide construction for temporary offices, shops, and sheds located within construction area or within 9 m of building lines.
.2 Maintain support facilities until Owner's Representative schedules Substantial Completion inspection. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.

.2 Temporary Roads and Paved Areas: For construction projects located on sites not currently provided with road access, construct and maintain temporary roads and paved areas adequate for construction operations. Locate temporary roads and paved areas within construction limits.
.1 Provide dust-control treatment that is nonpolluting and non-tracking. Reapply treatment as required to minimize dust.

.3 Traffic Controls: Comply with requirements of authorities having jurisdiction.
.1 Protect existing site improvements to remain including curbs, pavement, and utilities.
.2 Maintain access for fire-fighting equipment and access to fire hydrants.

.4 Parking: Owner does not provide parking for construction personnel. Provide temporary parking areas for construction personnel as needed.

.5 Dewatering Facilities and Drains: For projects involving site work or interior excavations comply with requirements of authorities having jurisdiction. Maintain Project site, excavations, and construction free of water.
.1 Dispose of rainwater in a lawful manner that will not result in flooding Project or adjoining properties nor endanger permanent Work or temporary facilities.
.2 Remove snow and ice as required to minimize accumulations.

.6 Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
.1 Identification Signs - New buildings, exterior building renovations, and building expansions: Provide 1200 x 2400 mm professionally painted plywood site sign to design provided by Owner's Representative, unless otherwise indicated.
.2 Identification Signs - Interior Renovations: Provide 300 x 600 mm professionally painted plastic site sign to design provided by Owner's Representative at each entrance into work area, unless otherwise indicated.
.3 Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
.4 Maintain and touch-up signs so they are legible at all times.

.7 Waste Disposal Facilities: Comply with requirements specified in Division 01 Section *Construction Waste Management and Disposal*.

.8 Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel as needed.
.1 Truck cranes and similar devices used for hoisting materials are considered *tools and equipment* and not temporary facilities.

.9 Temporary Use of New Elevators: For projects involving the installation of new elevators, refer to Division 14 Sections for temporary use of new elevators.

.10 Existing Elevators: For projects within existing buildings having elevators, the use of Owner's existing elevators will be permitted, provided elevators are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore elevators to condition existing before initial use, including replacing worn cables, guide shoes, and similar items of limited life.
- .1 Do not load elevators beyond their rated weight capacity.
- .2 Provide protective coverings, barriers, devices, signs, or other procedures to protect elevator car and entrance doors and frame. If, despite such protection, elevators become damaged, engage elevator Installer to restore damaged work so no evidence remains of correction work. Return items that cannot be refinished in field to the shop, make required repairs and refinish entire unit, or provide new units as required.

.11 Temporary Stairs: For multi-level building projects where construction of permanent stairs is included in the scope of work, provide temporary stairs where ladders are not adequate, until permanent stairs are available, .

.12 Use of Existing Stairs: For projects where the use of existing stairs is desirable, use of Owner's existing stairs will be permitted, provided stairs are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore stairs to condition existing before initial use.
- .1 Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If stairs become damaged, restore damaged areas so no evidence remains of correction work.

.13 Requirements for Temporary Use of Any New Stairs: Use of new stairs for construction traffic will be permitted, provided stairs are protected and finishes restored to new condition at time of Substantial Completion.

3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

.1 Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- .1 Comply with work restrictions specified in Division 01 Section *Summary*.

.2 Temporary Erosion and Sedimentation Control: For projects involving site work, provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to requirements of \ authorities having jurisdiction and what is indicated on drawings, whichever is more stringent.
- .1 Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross tree- or plant- protection zones.
- .2 Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
- .3 Clean, repair, and restore adjoining properties and roads affected by erosion and sedimentation from the project site during the course of the project.
- .4 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

.3 Stormwater Control: For projects involving site work, comply with requirements of authorities having jurisdiction. Provide barriers in and around any excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.

.4 Tree and Plant Protection: Install temporary fencing located as indicated or outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion.

.5 Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents, roaches, and other pests and to perform extermination and control procedures at regular intervals so Project will be free of pests and their residues at Substantial Completion. Obtain extended warranty for Owner. Perform control operations lawfully, using environmentally safe materials.

.1 Provide only if required.

.6 Site Enclosure Fence: for projects involving the construction of new buildings or foundations or when required by the either authorities having jurisdiction or the Contractor, and before construction operations begin, furnish and install site enclosure fence in a manner that will prevent people and animals from easily entering site except by entrance gates.

.1 Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.

.2 Maintain security by limiting number of keys and restricting distribution to authorized personnel. Furnish one set of keys to Owner.

.3 Construct fence using plywood cladding, unless otherwise indicated.

.7 Security Enclosure and Lockup: Install temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at end of each work day.

.8 Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.

.9 Temporary Egress: Maintain temporary egress from existing occupied facilities as indicated and as may be required by authorities having jurisdiction.

.10 Covered Walkway: Where the Owner or members of the public must walk immediately adjacent to or through the construction work site and in other locations specifically indicated or required by authorities having jurisdiction erect protective covered walkway for passage of individuals through or adjacent to Project site. Coordinate with entrance gates, other facilities, and obstructions. Comply with regulations of authorities having jurisdiction.

.1 Construct covered walkways using scaffold or shoring framing.

.2 Provide overhead decking, protective enclosure walls, handrails, barricades, warning signs, exit signs, lights, safe and well-drained walkways, and similar provisions for protection and safe passage.

.3 Paint and maintain appearance of walkway for duration of the Work.

.11 Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary weather tight enclosure for building exterior.

.1 Where heating or cooling is needed and permanent enclosure is not complete, insulate temporary enclosures.

.12 Temporary Partitions: Provide floor-to-ceiling dustproof partitions to limit dust and dirt migration and to separate areas occupied by Owner and tenants from fumes and noise.

.1 In only locations specifically indicated construct dustproof partitions with gypsum wallboard with joints taped on occupied side.

.2 In all other locations construct dustproof partitions with one layer of 0.15 mm polyethylene sheet. Overlap and tape full length of joints.

.3 Where fire-resistance-rated temporary partitions are indicated or are required by authorities having jurisdiction, construct partitions according to the rated assemblies.
.4 Protect air-handling equipment.
.5 Provide walk-off mats at each entrance through temporary partition.

.13 Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241.
.1 Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
.2 Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

3.5 MOISTURE AND MOLD CONTROL

.1 Contractor's Moisture-Protection Plan: Avoid trapping water in finished work. Document visible signs of mold that may appear during construction.

.2 Exposed Construction Phase: Before installation of weather barriers, when materials are subject to wetting and exposure and to airborne mold spores, protect as follows:
.1 Protect porous materials from water damage.
.2 Protect stored and installed material from flowing or standing water.
.3 Keep porous and organic materials from coming into prolonged contact with concrete.
.4 Remove standing water from decks.
.5 Keep deck openings covered or dammed.

.3 Partially Enclosed Construction Phase: After installation of weather barriers but before full enclosure and conditioning of building, when installed materials are still subject to infiltration of moisture and ambient mold spores, protect as follows:
.1 Do not load or install drywall or other porous materials or components, or items with high organic content, into partially enclosed building.
.2 Keep interior spaces reasonably clean and protected from water damage.
.3 Periodically collect and remove waste containing cellulose or other organic matter.
.4 Discard or replace water-damaged material.
.5 Do not install material that is wet.
.6 Discard, replace or clean stored or installed material that begins to grow mold.
.7 Perform work in a sequence that allows any wet materials adequate time to dry before enclosing the material in drywall or other interior finishes.

.4 Controlled Construction Phase of Construction: After completing and sealing of the building enclosure but prior to the full operation of permanent HVAC systems, maintain as follows:
.1 Control moisture and humidity inside building by maintaining effective dry-in conditions.
.2 Use permanent HVAC system to control humidity.
.3 Comply with manufacturer's written instructions for temperature, relative humidity, and exposure to water limits.
.1 Hygroscopic materials that may support mold growth, including wood and gypsum-based products, that become wet during the course of construction and remain wet for 48hours are considered defective.
.2 Remove materials that cannot be completely restored to their manufactured moisture level within 48 hours.

3.6 OPERATION, TERMINATION, AND REMOVAL

.1 Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.

.2 Maintenance: Maintain facilities in good operating condition until removal.

.1 Maintain operation of temporary enclosures, heating, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.

.3 Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.

.4 Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

.1 Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.

.2 Remove temporary roads and paved areas not intended for or acceptable for integration into permanent construction. Where area is intended for landscape development, remove soil and aggregate fill that do not comply with requirements for fill or subsoil. Remove materials contaminated with road oil, asphalt and other petrochemical compounds, and other substances that might impair growth of plant materials or lawns. Repair or replace street paving, curbs, and sidewalks at temporary entrances, as required by authorities having jurisdiction.

.3 At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Division 01 Section *Closeout Procedures*.

END OF SECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

.1 Barriers.

.2 Environmental Controls.

.3 Traffic Controls.

.4 Fire Routes.

1.2 RELATED SECTIONS

.1 Sections 01 51 00 – Temporary Utilities.

.2 Section 01 52 00 – Construction Facilities.

1.3 INSTALLATION AND REMOVAL

.1 Provide temporary controls in order to execute Work expeditiously.

.2 Remove from site all such work after use.

1.4 HOARDING

.1 Erect and maintain temporary site enclosures as indicated on the drawings using fencing of 1800 mm height and continuous down to the ground made of prefabricated rectangular wire mesh panels, complete with heavy duty clamping or linking mechanisms and concrete or steel (with tie-downs) footings for fast assembly and disassembly. The support structures should enable it to withstand any foreseeable loads or impacts that could be imposed.

.2 Provide one lockable truck entrance gate and at least one pedestrian door as directed and conforming to applicable traffic restrictions on adjacent streets. Equip gates with locks and keys to be provided by Owner..

.3 Erect and maintain pedestrian walkways including roof and side covers, complete with signs and electrical lighting as required by law.

.4 Paint public side of site enclosure in selected colors with one coat primer to CGSB 1.189M and one coat exterior paint to CGSB 1.59. Maintain public side of enclosure in clean condition.

.5 Provide barriers around trees and plants designated to remain. Protect from damage by equipment and construction procedures.

1.5 GUARD RAILS AND BARRICADES

.1 Provide secure, rigid guard rails and barricades around deep excavations, open shafts, open stair wells, open edges of floors and roofs.

.2 Provide as required by governing authorities.

1.6 WEATHER ENCLOSURES

.1 Provide weather tight closures to unfinished door and window openings, tops of shafts and other openings in floors and roofs.

.2 Close off floor areas where walls are not finished; seal off other openings; enclose building interior work for temporary heat.

.3 Erect enclosures to allow access for installation of materials and working inside enclosure.

.4 Design enclosures to withstand wind pressure and snow loading.

1.7 DUST TIGHT SCREENS

.1 Provide dust tight screens or insulated partitions to localize dust generating activities, and for protection of workers, finished areas of Work and public.

.2 Maintain and relocate protection until such work is complete.

.3 Refer to specific requirements in abatement sections 02 82 00.03 and 02 83 10.

1.8 ACCESS TO SITE

.1 Provide and maintain access roads, sidewalk crossings, ramps and construction runways as may be required for access to Work.

.2 Build and maintain temporary roads where indicated or directed and provide snow removal during period on work.

.3 If authorized to use existing roads for access to project site, maintain such roads for duration of Contract and make good damage resulting from Contractor's use of roads.

1.9 PUBLIC TRAFFIC FLOW

.1 Provide and maintain competent signal flag operators, traffic signals, barricades and flares, lights, or lanterns as required to perform Work and protect the public.

1.10 FIRE ROUTES

.1 Maintain access to property including overhead clearances for use by emergency response vehicles.

1.11 PROTECTION FOR OFF•SITE AND PUBLIC PROPERTY

.1 Protect surrounding private and public property from damage during performance of Work.

.2 Be responsible for damage incurred.

1.12 PROTECTION OF BUILDING FINISHES

.1 Provide protection for finished and partially finished building finishes and equipment during performance of Work.

.2 Provide necessary screens, covers, and hoardings.

.3 Confirm with Engineer/Architect locations and installation schedule 3 days prior to installation.

.4 Be responsible for damage incurred due to lack of or improper protection.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

END OF SECTION

PART 1 - GENERAL

1.1 SUMMARY

.1 Types of items described in this Section:
  .1 Requirement to carry out work placing maximum emphasis on the areas of:
    .1 Waste reduction;
    .2 Diversion of waste from landfill; and
    .3 Material Recycling.

.2 Types of items you will not find described in this Section:
  .1 Environment Procedures.

1.2 WASTE MANAGEMENT PLAN

.1 Prior to commencement of work, prepare waste Management Workplan.

.2 Workplan to include:
  .1 Waste audit.
  .2 Waste reduction practices.
  .3 Material source separation process.
  .4 Procedures for sending recyclables to recycling facilities.
  .5 Procedures for sending non-salvageable items and waste to approved waste processing facility or landfill site.
  .6 Training and supervising workforce on waste management at site.

.3 Workplan to incorporate waste management requirements specified herein and in other sections of the Specifications.

.4 Develop Workplan in collaboration with all subcontractors to ensure all waste management issues and opportunities are addressed.

.5 Implement and manage all aspects of Waste Management Workplan for duration of work.

.6 Revise Plan as work progresses addressing new opportunities for diversion of waste from landfill.

1.3 WASTE AUDIT

.1 At project start-up, conduct waste audit of:
  .1 Site conditions identifying salvageable and non-salvageable items and waste resulting from demolition and removal work.
  .2 Projected waste resulting from product packaging and from material leftover after installation work.

.2 Develop written list. Record type, composition, and quantity of various salvageable items and waste anticipated reasons for waste generation and operational factors which contribute to waste.

1.4 WASTE REDUCTION

.1 Based on waste audit, develop waste reduction program.

.2 Structure program to prioritize actions, with waste reduction as first priority, followed by salvage and recycling effort, then disposal as solid waste.

.3 Identify materials and equipment to be:
- .1 Protected and turned over to Owner's Representative when indicated.
- .2 Salvaged for resale by Contractor.
- .3 Sent to recycling facility.
- .4 Sent to waste processing/landfill site for their recycling effort
- .5 Disposed of in approved landfill site.

.4 Reduce construction waste during installation work. Undertake practices which will minimize waste and optimize full use of new materials on site, such as:
- .1 Use of a central cutting area to allow for easy access to off-cuts;
- .2 Use of off-cuts for blocking and bridging elsewhere.
- .3 Use of effective and strategically placed facilities on site for storage and staging of left-over or partially cut materials (such as gypsum board, plywood, ceiling tiles, insulation etc...) to allow for easy incorporation into work whenever possible avoiding unnecessary waste.

.5 Develop other strategies and innovative procedures to reduce waste such as minimizing the extent of packaging used for delivery of materials to site etc...

1.5 MATERIAL SOURCE SEPARATION PROCESS

.1 Develop and implement material source separation process at commencement of work as part of mobilization and waste management at site.

.2 Provide on-site facilities to collect, handle and store anticipated quantities of reusable, salvageable, and recyclable materials.
- .1 Use suitable containers for individual collection of items based on intended purpose.
- .2 Locate to facilitate deposit but without hindering daily operations of existing building tenants.
- .3 Clearly mark containers and stockpiles as to purpose and use.

.3 Perform demolition and removal of existing building components and equipment following a systematic deconstruction process.
- .1 Separate materials and equipment at source, carefully dismantling, labelling and stockpiling alike items for the following purposes:
  - .1 Reinstallation into the work where indicated.
  - .2 Salvaging reusable items not needed in project which Contractor may sell to other parties. Sale of such items not permitted on site.
  - .3 Sending as many items as possible to locally available recycling facility.
  - .4 Segregating remaining waste and debris into various individual waste categories for disposal in a *non-mixed state* as recommended by waste processing/landfill sites.

.4 Isolate product packaging and delivery containers from general waste stream. Send to recycling facility or return to supplier/manufacturer.

.5 Send leftover material resulting from installation work for recycling whenever possible.

.6 Establish methods whereby hazardous and toxic waste materials, and their containers, encountered or used in the course work are properly isolated, stored on site and disposed in accordance with applicable laws and regulations from authorities having jurisdiction.

.7 Isolate and store existing materials and equipment identified for re-incorporation into the Work. Protect against damage.

1.6 WORKER TRAINING AND SUPERVISION

.1 Provide adequate training to workforce, through meetings and demonstrations, to emphasize purpose and worker responsibilities in carrying out the Waste Management Plan.

.2 Waste Management Coordinator: designate full-time person on site, experienced in waste management and having knowledge of the purpose and content of Waste Management Plan to:
.1 Oversee and supervise waste management during work.
.2 Provide instructions and directions to all workers and subcontractors on waste reduction, source separation and disposal practices.

.3 Post a copy of Plan in a prominent location on site for review by workers.

1.7 CERTIFICATION OF MATERIAL DIVERSION

.1 Submit to Owner's Representative, copies of certified weigh bills from authorized waste processing sites and sale receipts from recycling/reuse facilities confirming receipt of building materials and quantity of waste diverted from landfill.

.2 Submit data at pre-determined project milestones as determined by Owner's Representative.

.3 Compare actual quantities diverted from landfill with projections made during waste audit.

1.8 DISPOSAL REQUIREMENTS

.1 Burying or burning of rubbish and waste materials is prohibited.

.2 Disposal of waste, volatile materials, mineral spirits, oil, or paint thinner into waterways, storm, or sanitary sewers is prohibited.

.3 Dispose of waste only at approved waste processing facility or landfill sites approved by authority having jurisdiction.

.4 Contact the authority having jurisdiction prior to commencement of work, to determine what, if any, demolition and construction waste materials have been banned from disposal in landfills and at transfer stations. Take appropriate action to isolate such banned materials at site of work and dispose in strict accordance with provincial and municipal regulations.

.5 Transport waste intended for landfill in separated condition, following rules and recommendations of Landfill Operator in support of their effort to divert, recycle and reduce amount of solid waste placed in landfill.

.6 Collect, bundle and transport salvaged materials to be recycled in separated categories and condition as directed by recycling facility. Ship materials only to approved recycling facilities.

.7 Sale of salvaged items by Contractor to other parties not permitted on site.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

.1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

.1 Types of items described in this Section:
  .1 Administrative and procedural requirements for contract closeout, including, but not limited to, the following:
    .1 Substantial Completion procedures.
    .2 Final completion procedures.
    .3 Warranties.
    .4 Final cleaning.

.2 Types of items you will not find described in this Section:
  .1 Submitting final completion construction photographic documentation.
  .2 Progress cleaning of project site.
  .3 Operation and maintenance manual requirements.
  .4 Submitting record drawings, record specifications, and record product data.
  .5 Requirements for instructing owner's personnel.
  .6 Divisions 02 through 49 sections for specific closeout and special cleaning requirements for the work in those Sections.

1.3 SUBSTANTIAL COMPLETION

.1 Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete with request.
  .1 Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the Work is not complete.
  .2 Advise Owner of pending insurance changeover requirements.
  .3 Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
  .4 Obtain and submit releases permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
  .5 Prepare and submit Project Record Documents, operation and maintenance manuals, damage or settlement surveys, property surveys, and similar final record information.
  .6 Deliver tools, spare parts, extra materials, and similar items to location designated by Owner. Label with manufacturer's name and model number where applicable.
  .7 Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
  .8 Complete startup testing of systems.
  .9 Submit test/adjust/balance records.
  .10 Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
  .11 Advise Owner of changeover in heat and other utilities.
  .12 Submit changeover information related to Owner's occupancy, use, operation, and maintenance.
  .13 Complete final cleaning requirements, including touchup painting.
  .14 Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.

.15 Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.

.2 Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, Owner's Representative will either proceed with inspection or notify Contractor of unfulfilled requirements. Owner's Representative will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Owner's Representative, that must be completed or corrected before certificate will be issued.
.1 Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
.2 Results of completed inspection will form the basis of requirements for final completion.

1.4 FINAL COMPLETION

.1 Preliminary Procedures: Before requesting final inspection for determining final completion, complete the following:
.1 Submit a final Application for Payment according to Division 01 Section *Payment Procedures*.
.2 Submit certified copy of Owner's Representative's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Owner's Representative. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.

.2 Inspection: Submit a written request for final inspection for acceptance. On receipt of request, Owner's Representative will either proceed with inspection or notify Contractor of unfulfilled requirements. Owner's Representative will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
.1 Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.5 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

.1 Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
.1 Organize list of spaces in sequential order, starting with exterior areas first and proceeding from lowest floor to highest floor.
.2 Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.
.3 Include the following information at the top of each page:
.1 Project name.
.2 Date.
.3 Name of Owner's Representative.
.4 Name of Contractor.
.5 Page number.
.4 Submit list of incomplete items in the following format:
.1 Three paper copies of product schedule or list, unless otherwise indicated.

1.6 WARRANTIES

.1 Submittal Time: Submit written warranties on request of Owner's Representative for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated.

.2 Organize warranty documents into an orderly sequence based on the table of contents of the Project Manual.

.1 Bind warranties and bonds in heavy-duty, three-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 215-by-280-mm paper.

.2 Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.

.3 Identify each binder on the front and spine with the typed or printed title *WARRANTIES*, Project name, and name of Contractor.

.3 Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

.1 Use cleaning products that meet Green Seal GS-37, or if GS-37 is not applicable, use products that comply with the California Code of Regulations maximum allowable VOC levels.

PART 3 - EXECUTION

3.1 FINAL CLEANING

.1 General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

.2 Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.

.1 Complete the following cleaning operations, as applicable to the project, before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:

.1 Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.

.2 Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.

.3 Rake grounds that are neither planted nor paved to a smooth, even-textured surface.

.4 Remove tools, construction equipment, machinery, and surplus material from Project site.

.5 Remove snow and ice to provide safe access to building.

.6 Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.

.7 Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.

.8 Sweep concrete floors broom clean in unoccupied spaces.

.9 Vacuum carpet and similar soft surfaces, removing debris and excess nap; shampoo if visible soil or stains remain.

.10 Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Replace chipped or broken glass and other damaged transparent materials. Polish mirrors and glass, taking care not to scratch surfaces.

.11 Remove labels that are not permanent.

.12 Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored or that already show evidence of repair or restoration.
  .1 Do not paint over *ULC* and other required labels and identification, including mechanical and electrical nameplates.

.13 Wipe surfaces of mechanical and electrical equipment, elevator equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.

.14 Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.

.15 Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.

.16 Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.

.17 Clean ducts, blowers, and coils if units were operated without filters during construction or that display contamination with particulate matter upon inspection.
  .1 Clean HVAC system in compliance with NADCA Standard 1992-01. Provide written report upon completion of cleaning upon request.

.18 Clean light fixtures, lamps, globes, and reflectors to function with full efficiency. Replace burned-out bulbs, and those noticeably dimmed by hours of use, and defective and noisy starters in fluorescent and mercury vapor fixtures to comply with requirements for new fixtures.

.19 Leave Project clean and ready for occupancy.

.20 If final cleaning is not to a standard acceptable to the owner, the owner, with prior notice to the contractor, may opt to have owners cleaning staff perform final cleaning at a cost to the contractor. Full owner burden rates will apply.

.3 Pest Control: Engage an experienced, licensed exterminator to make a final inspection and rid Project of rodents, insects, and other pests if pest problems are suspected by the Owner's Representative. Prepare a report.

.4 Construction Waste Disposal: Comply with waste disposal requirements in Division 01 Section *Construction Waste Management and Disposal*.

END OF SECTION

PART 1 - GENERAL

1.1 SUMMARY

.1 Section Includes a copy of:

.1 Hazardous Building Materials Assessment (Preconstruction)
Dated 2025-10-02

.2 This report was prepared primarily for the use of the Owner and the Design Team. The recommendations shall not be construed as a requirement of this Contract, unless also contained elsewhere in the Contract Documents.

.3 The report, by its nature, cannot reveal all conditions that exist or occur on the site. Undertake whatever precautionary measures as required by authorities having jurisdiction and whatever measures as you see prudent and appropriate to protect workers, building occupants, and the environment from hazardous materials.

.4 Should conditions be found to vary substantially from the report, changes in the design and construction of the Work may be made, with resulting credits or expenditures to the Contract Price accruing to the Owner.

PART 2 - PRODUCTS (Not used)

PART 3 - EXECUTION (Not used)

END OF SECTION

October 2, 2025

Memorial University of Newfoundland
208 Elizabeth Avenue
St. John’s, Newfoundland and Labrador, A1C 5S7

Re: **Hazardous Building Materials Assessment (Preconstruction)**
Coughlan College, 208 Elizabeth Ave, St. John's, NL
Pinchin File: 0362535.000

Memorial University of Newfoundland (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment of Coughlan College located at 208 Elizabeth Ave, St. John's, NL.

Pinchin performed the assessment between September 3, 2025, and September 12, 2025. The assessor was unaccompanied during the assessment. The assessed area was unoccupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building demolition activities. The proposed work as identified by the Client includes complete demolition of the building.

The results of this assessment are intended for use with a properly developed scope of work or performance specification.

The **assessed area** consisted of all vacant areas of the building. Occupied areas of the building were not included in the scope of this assessment.

1.0 SUMMARY OF FINDINGS

- The presence of asbestos was confirmed in the following building materials:
  - Hardwall plaster base coat
  - Drywall joint compound
  - Concrete floor leveling compound
  - Parging cement pipe insulation
  - Vinyl floor tiles
  - Sink mastic
  - Textured ceiling finish
  - Interior window caulking

  - Roof mastics
  - Exterior texture finishes over entryways
  - Duct insulation labelled as asbestos-containing
- The presence of asbestos is presumed in the following building materials until sampling proves otherwise:
  - Duct mastic
  - Ceramic tiles
  - Building materials present in the occupied areas of the site building that are not visually similar to the building materials identified in this report
- Lead is present in paints and coatings.
- Solid lead is present in batteries of emergency lights.
- Crystalline silica is present in concrete and other materials such as masonry, ceramic tiles, and plaster.
- Mercury vapour is present in lamp tubes and liquid mercury is present in thermostat ampules.
- PCBs may be present in light ballasts.

2.0 RECOMMENDATIONS

2.1 General

Prepare scope of work or performance specifications for hazardous material removal required for the planned work. The specifications should include safe work practices, personal protective equipment, respiratory protection, and disposal of waste materials.

If suspected hazardous building materials are discovered during the planned work (i.e., concealed or spaces outside the assessed area), which are not identified in this report, do not disturb, and arrange for further testing and evaluation.

The following general recommendations are made concerning the building materials present in the occupied areas of the site building, which were outside the scope of this assessment:

- Building materials located in the current occupied space, that are visually similar to materials identified in this report, are presumed to be the same application of that material and are to be treated as indicated by the associated analytical results and recommendations in this assessment report.

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- Building materials present in the occupied area that are not visually similar and do not match any of the materials identified in this report, are to be presumed asbestos-containing until bulk sampling proves otherwise.
- Bulk sampling of any materials that are concealed or were not sampled during this assessment should be sampled prior to disturbance.

Provide this report and the detailed plans and specifications to the contractor prior to bidding or commencing work.

Retain a qualified consultant to specify, observe and document the successful removal of hazardous materials.

2.2 Remedial Work

Asbestos-containing building materials and associated asbestos-containing debris are present throughout the assessed area as identified in Appendix VI; however, remedial work is not recommended as the assessed area is vacant and scheduled for demolition. Building materials confirmed to be asbestos containing in this report present in poor condition in the occupied areas of the site building should be remediated using Type III asbestos abatement procedures.

2.3 Project Work

The following recommendations are made regarding demolition involving the hazardous materials identified.

2.3.1 Asbestos

Remove all asbestos-containing materials (ACM) prior to demolition work following safe work procedures.

If the identified ACM will not be removed prior to commencement of the work, any potential disturbance of ACM must follow asbestos precautions appropriate for the type of work being performed.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

2.3.2 Lead

For lead-containing or lead-based paints (i.e., greater than the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints, and 0.5% (5,000 mg/kg) for lead-based), construction disturbance may result in over-exposure to lead dust or fumes. The need for work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with applicable regulations, and/or guidelines.

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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.

Lead-containing items should be recycled when taken out of service.

2.3.3 Silica

Construction disturbance of silica-containing products 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 applicable regulations and guidelines.

2.3.4 Mercury

Do not break lamps or separate liquid mercury from components. Recycle and reclaim mercury from fluorescent lamps and thermostats when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

2.3.5 PCBs

Prior to demolition, remove light fixtures and examine light ballasts for PCB content. If ballasts are not clearly labelled as “non-PCB” or are suspected to contain PCBs, package and ship ballasts for destruction at a federally permitted facility.

3.0 BACKGROUND INFORMATION

3.1 Assessed Area Description Summary

Description Item	Details
Building Use	Classrooms, offices, former student residence
Floors Above Grade	4
Floors Below Grade	0
Total Area (square feet)	39,288
Year of Construction	1968
Structure	Poured concrete foundation, structural steel, precast concrete panels/slabs, concrete block
Exterior Cladding	Brick
HVAC	Mechanical room air handling units, electric baseboard/wall heaters
Roof	Flat

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Description Item	Details
Flooring	Vinyl floor tile, vinyl sheet flooring, carpet/carpet tile, terrazzo, ceramic/stone tile
Wall and Ceiling Finishes	Drywall, plaster, concrete block, texture finishes, lay-in ceiling tiles

3.2 Existing Reports

3.2.1 Review of Previous Reports

No existing reports were provided for reference.

4.0 FINDINGS

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

4.1 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 All Data Report in Appendices V and VI.

Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0001 ABCDE FG	**Ceiling, Wall | Plaster**	**Chrysotile**	**Yes**	**9902 SF**	**1**
S0002 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", beige with small grey streaks	None Detected	No	2785 SF	
S0003 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", white with small grey streaks	None Detected	No	5064 SF	
S0004 ABCDE FG	**Ceiling, Wall | Drywall and joint compound**	**Chrysotile**	**Yes**	**40749 SF**	**2**
S0005 ABC	Ceiling | Ceiling Tiles (lay-in) | 2' x 4', pinhole fissure	None Detected	No	1962 SF	
S0006 ABC	Piping | Tar | Tar from straight-run insulation on unidentified pipe	None Detected	No	301 LF	

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Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0007 ABC	**Floor | Mortar | Concrete floor leveling compound**	**Chrysotile**	**Yes**	**40 SF**	
S0008 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", peach	None Detected	No	66 SF	
S0009 ABC	**Wall | Plaster | Plaster base coat from vertical structural beam**	**Chrysotile**	**Yes**	**700 SF**	
S0010 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", tan with brown speck	None Detected	No	348 SF	
S0011 ABC	Floor | Terrazzo | Grey	None Detected	No	4100 SF	
S0012 ABC	**Piping | Parging Cement | Parging cement on unidentified pipe elbow**	**Chrysotile**	**Yes**	**30 EA**	
S0013 ABC	Other | Caulking | From tub surround, white	None Detected	No	60 LF	
S0014 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", white with black specks	None Detected	No	352 SF	
S0015 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", grey with small brown streaks	None Detected	No	940 SF	
S0016 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", tan with long grey streaks	None Detected	No	112 SF	
S0017 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" x 12", tan with thick brown smear**	**Chrysotile**	**Yes**	**1825 SF**	**3**
S0018 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", cream with thick brown streaks	None Detected	No	56 SF	

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Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0019 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", cream with thick black streaks	None Detected	No	162 SF	
S0020 ABC	**Other | Mastic | Sink Mastic**	**Chrysotile**	**Yes**	**2 EA**	
S0021 ABC	Wall | Texture Coat	None Detected	No	700 SF	
S0022 ABC	**Ceiling | Texture Coat**	**Chrysotile**	**Yes**	**448 SF**	
S0023 ABC	**Floor | Vinyl Floor Tile and Mastic | 12" x 12", brown**	**Chrysotile**	**Yes**	**18 SF**	**3**
S0024 ABC	Piping | Gasket | Gasket from red pipe	None Detected	No	3 EA	
S0025 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", tan with brown wave	None Detected	No	112 SF	
S0026 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", pink with small white streaks	None Detected	No	221 SF	
S0027 ABC	Floor | Vinyl Floor Tile and Mastic | 12" x 12", blue with white specks	None Detected	No	732 SF	
S0028 ABC	Duct | Tar | Wrap from unidentified duct	None Detected	No	60 SF	
S0029 ABC	**Other | Caulking | Interior caulking**	**Chrysotile**	**Yes**	**3200 LF**	
S0030 ABC	**Other | Mastic | Roof mastics**	**Chrysotile**	**Yes**	**30 LF**	
S0031 AB	Other | Roofing material | South and North block roofs	None Detected	No	3000 SF	
S0032 AB	Other | Roofing material | 1V03 and 1V04 roofs	None Detected	No	2500 SF	4
S0033 ABC	Other | Caulking | From roof flashing, grey	None Detected	No	30 LF	

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Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0034 ABC	Other | Caulking | Exterior caulking from large window	None Detected	No	1250 LF	
S0035 ABC	Other | Caulking | Exterior caulking from large window frame	None Detected	No	1200 LF	
S0036 ABC	Structure | Texture Coat | Texture finish on concrete pillars from south entrance	None Detected	No	200 SF	
S0037 ABC	**Ceiling | Texture Coat | Texture coat on concrete overhang from south entrance**	**Chrysotile**	**Yes**	**50 SF**	
V9000	**Duct | Unidentified mechanical insulation**	**Confirmed Asbestos**	**Yes**	**300 SF**	**5**
V9500	**Duct | Tar**	**Presumed Asbestos**	**Yes**	**30 SF**	**6**
V9500	**Floor | Ceramic Tiles**	**Presumed Asbestos**	**Yes**	**150 SF**	**7**
V0000	Ceiling | Ceiling Tiles (lay-in) | 2' x 4', pinhole fleck, 2' x 4', pinhole abundant fleck	None	No	1371 SF	8
V0000	Floor | Vinyl Sheet Flooring	None	No	196 SF	9
V0000	Other | Fibreglass	None	No	1 EA	10

Material Specific Notes:

1. The presence of asbestos was confirmed in the inner base coat portion of this sample, and not the outer finish coat portion. Manage all hardwall plaster surfaces in the building as asbestos containing.
2. Manage all drywall finished with drywall joint compound as asbestos containing in the building.
3. The presence of asbestos was confirmed in the tile portion of this sample, and not the tar mastic portion.

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4. The middle block roof could not be accessed. The roofing on CL-1V03 and CL-1V04 was visually similar, so this sample is also representative of the roofing material for the roof of the middle block.
5. The presence of asbestos-containing labels on noted applications of duct insulation was interpreted to mean that the presence of asbestos in the duct insulation is historically known, and so labelled duct insulation was not sampled.
6. Duct mastic was only observed in room CL-2030 (Location 80). The mastic could not be safely accessed due to height and so is presumed asbestos-containing until sampling proves otherwise.
7. CL-1V02 (Location 99) is outside the scope of this assessment. As such, the thin-set under the ceramic tiles on the floor is presumed asbestos-containing until sampling proves otherwise.
8. Lay-in acoustic ceiling tiles with legible stamps on the back indicating dates following the ban of asbestos in manufacturing of ceiling tiles were not sampled.
9. Vinyl sheet flooring with canvas backing is known to be non-asbestos and so was not sampled.
10. An incandescent heat shield was observed on the light fixture in room CL-2025 (Location 17). The heat shield was visually identified as fibreglass and not sampled.

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 V9000 were observed to be present and were determined to contain asbestos based on previous analytical results, or labelling (e.g., Transite clearly labelled by the manufacturer).

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.

4.1.1 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:

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- Ceramic tile setting compound
- Electrical components
- Moulded plastic components (laboratory bench tops)
- Refractory materials and insulations in boilers, incinerators, and stacks
- Insulation under metal clad boilers and vessels
- Adhesives and duct mastics
- Fire resistant doors

4.2 Lead

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on locations, condition and approximate quantities on paints sampled and their locations.

The following table summarizes the analytical results of paints sampled.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Material Specific Notes
L0001	**Wall | Plaster | Plaster walls**	**0.013%**	**Yes**	**4140 SF**	
L0002	**Ceiling | Plaster | Plaster ceilings**	**0.073%**	**Yes**	**5388 SF**	
L0003	**Wall | Drywall and joint compound | Drywall walls**	**0.047%**	**Yes**	**29910 SF**	
L0004	**Wall | Masonry | Concrete block walls**	**0.1%**	**Yes**	**17495 SF**	
L0005	Ceiling | Drywall and joint compound | Drywall ceilings	0.0051%	No	9931 SF	
L0006	**Floor | Concrete (poured) | Concrete floors**	**0.13%**	**Yes**	**1580 SF**	

Material Specific Notes:

1. Each paint sample was collected as a composite from different applications on the same material/system.

General Notes:

Results above 0.1% (1,000 mg/kg) are considered lead-containing, and over 0.5% (5,000 mg/kg) are considered lead-based.

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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) are assumed to be insignificant relating to potential exposure from construction disturbance.

4.2.1 Lead Products and Applications

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on lead-products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Material Specific Notes
V9500	Batteries In Emergency Lights	Yes	2EA	

General Notes:

Items identified as Sample Number V9500 were observed to be present but could not be definitively determined to contain lead (e.g., emergency light batteries).

4.2.2 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

4.3 Silica

Crystalline silica is a presumed component of the following materials:

- Poured and pre-cast concrete
- Masonry and mortar
- Ceramic tiles and grout
- Plaster
- Refractory or ceramic materials
- Asphalt
- Terrazzo

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4.4 Mercury

Refer to the Hazardous Material Summary / Sample Log and All Data 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	Material Specific Notes
V9000	Thermostat	Yes	7 EA	
V9500	Light Fixture	Yes	401 EA	
V0000	Light Fixture	No	30 EA	
V0000	Thermostat	No	67 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., fluorescent light tubes 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).

Items identified as Sample Number V0000 are items that historically may have contained mercury; however, have been visually identified as non-mercury types (e.g., LED lamps, digital or electric thermostats).

4.5 Polychlorinated Biphenyls

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on PCB-products including their locations and quantities.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Material Specific Notes
P0001	Caulking | Exterior Caulking from Brick and Concrete Join	<0.1mg/kg	No	300 LF	
V9500	Light Ballasts		Yes	44 EA	1
V0000	Light Ballasts		No	123 EA	

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Material Specific Notes:

1. Light ballasts with labels that do not either specify no PCBs or indicate that the ballast is electronic are presumed to contain PCBs.

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 PCBs based on historical known use (e.g. concealed ballasts of fluorescent fixtures with T12 tubes). Sampling of these materials may be completed prior to disturbance.

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., fluorescent fixtures with T5 or T8 tubes, LED light fixtures).

4.5.1 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

5.0 METHODOLOGY

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)

Pinchin conducted a room-by-room assessment to identify the hazardous building materials as defined in the scope.

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.

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The assessment included demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Destructive testing of flooring was conducted where possible (under carpets or multiple layers of flooring). Demolition of exterior building finishes, masonry walls (chases, shafts etc.), and structural surrounds was conducted as permitted by the current building use.

Limited demolition of masonry block walls (core holes) was conducted to investigate for loose fill vermiculite insulation. Sampling of roofing materials was conducted.

For further details on the methodology including test methods and evaluation criteria, refer to Appendix III.

6.0 REFERENCES

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

1. Newfoundland Occupational Safety General Regulation 5/12.
2. Newfoundland and Labrador Regulation 111/98.
3. Guidelines for Asbestos Abatement, July 2010.
4. Asbestos Waste Disposal, GD-PPD-033.1.
5. Leachable Toxic Waste, Testing and Disposal, GD-PPD-26.1.
6. Silica Code of Practice, August 2006.
7. Newfoundland and Labrador Regulation 61/03, Storage of PCB Wastes Regulations, 2003.
8. Newfoundland and Labrador Regulation 41/05, Halocarbon Regulations.
9. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
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.
13. Ozone-depleting Substances and Halocarbon Alternatives Regulations, SOR/2016-137.

7.0 LIMITATIONS

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

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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.

8.0 CLOSURE

The data presented in the appendices is prepared by Pinchin's Hazardous Materials Inventory System (HMIS). The information can be made available for your real-time access through our secure web-based platform. Please contact your Pinchin representative to discuss HMIS solutions for management of your asbestos (and other hazardous materials) inventory.

Contact the Project Manager, Aaron Park at 709.685.0997 or apark@pinchin.com should you have any questions.

Sincerely,

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Pinchin Ltd.

Prepared by:



Matt Sweeney, Adv. Dip.
Senior Project Technologist, Hazardous Materials

Project Managed by:



Aaron Park
Team Leader, Hazardous Materials and Building Science for NL

Reviewed by:



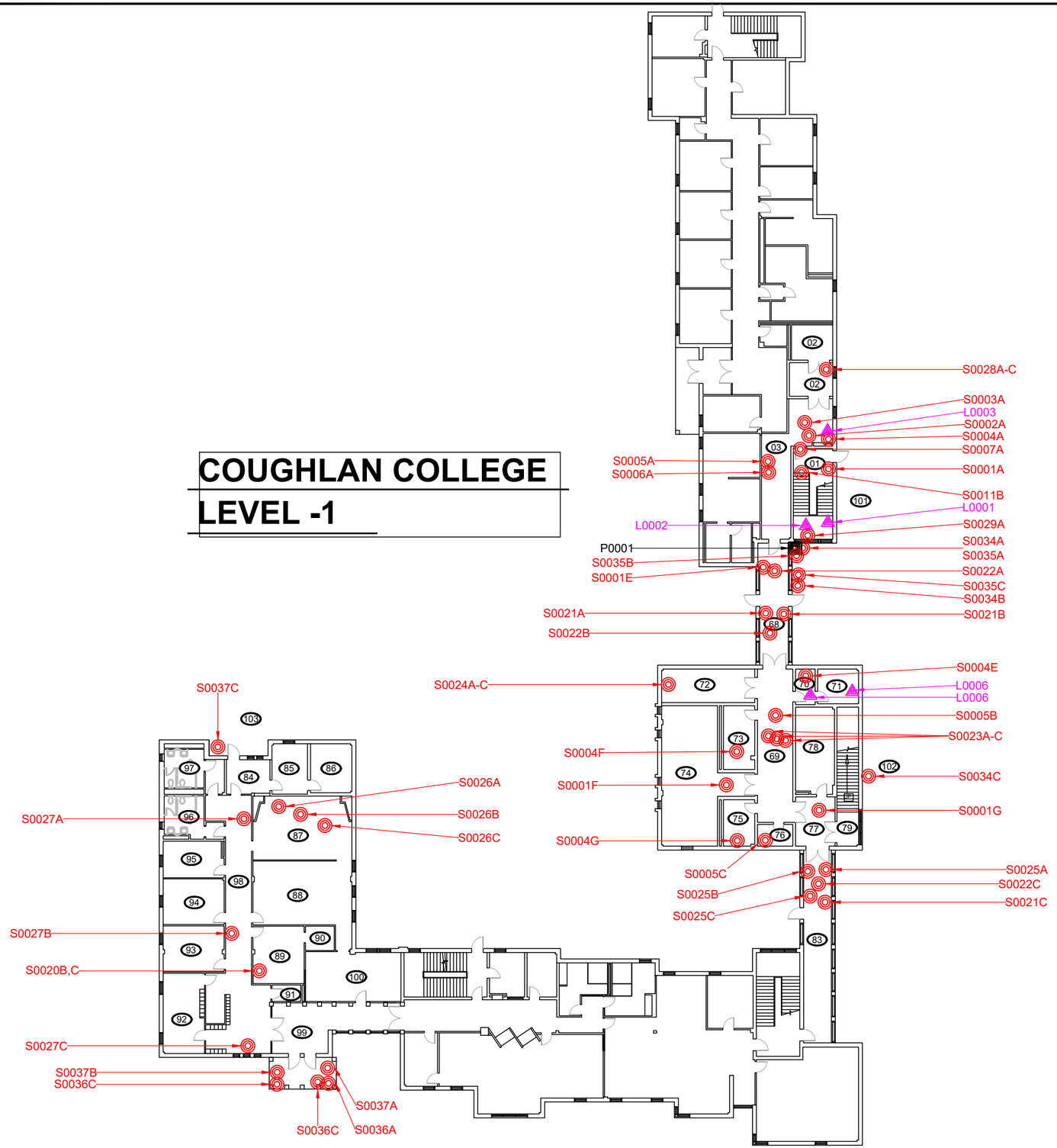
Jason Lewis, P.Tech.
Operations Manager, Newfoundland and Labrador

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	All Data Report
	APPENDIX VII	Photographs

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APPENDIX I
Drawings

COUGHLAN COLLEGE
LEVEL -1



N

LEGEND

- PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE

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 (PRE-DEMOLITION)

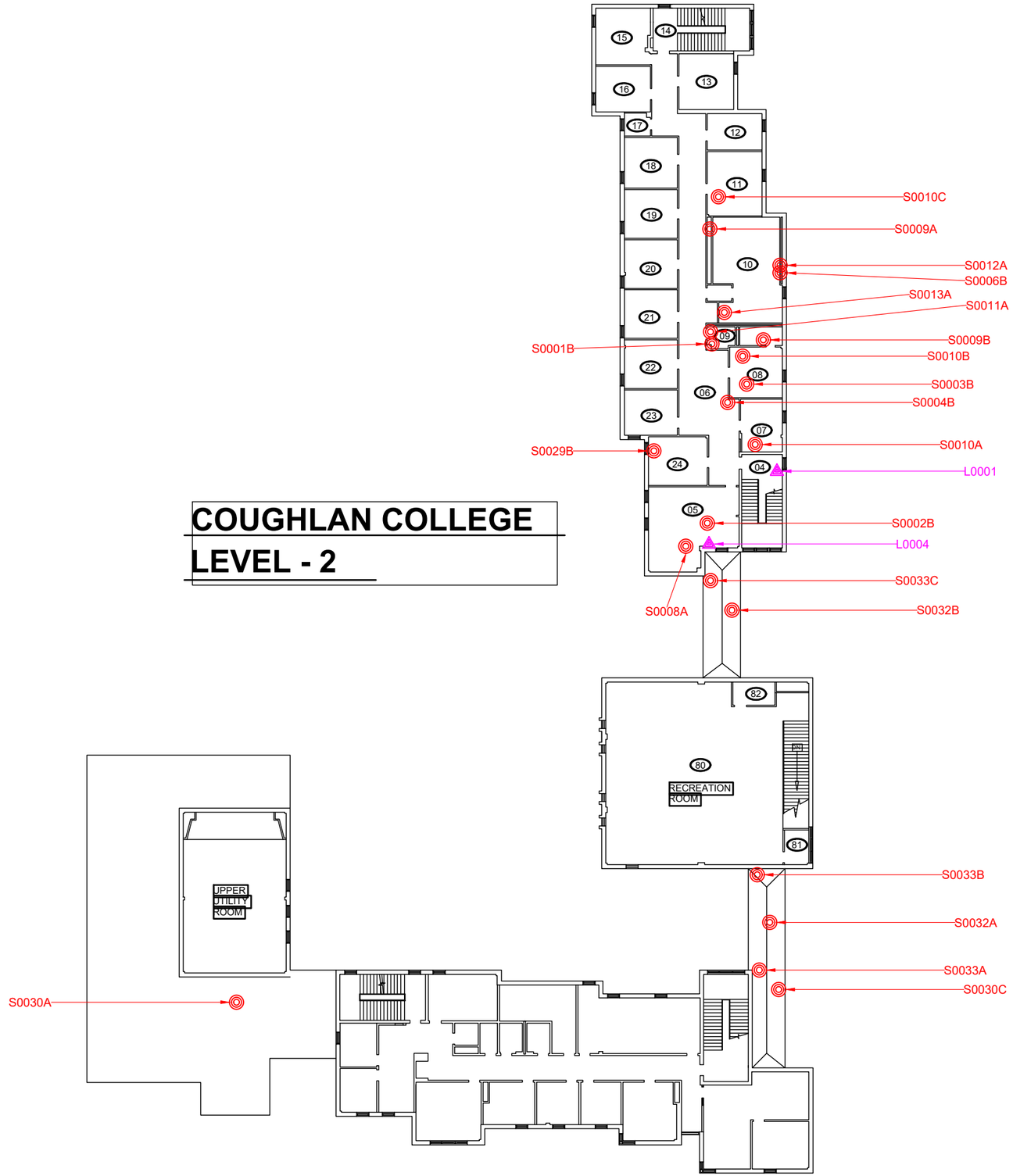
CLIENT NAME:
MEMORIAL UNIVERSITY OF NEWFOUNDLAND

PROJECT LOCATION:
208 ELIZABETH AVENUE, ST. JOHN'S, NEWFOUNDLAND

FIGURE NAME:
LEVEL 1

PROJECT NUMBER:	SCALE:
362535	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
NJ	MS
DATE:	FIGURE NUMBER:
SEPTEMBER 2025	1 OF 4

COUGHLAN COLLEGE
LEVEL - 2



N

LEGEND

- PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE

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 (PRE-DEMOLITION)

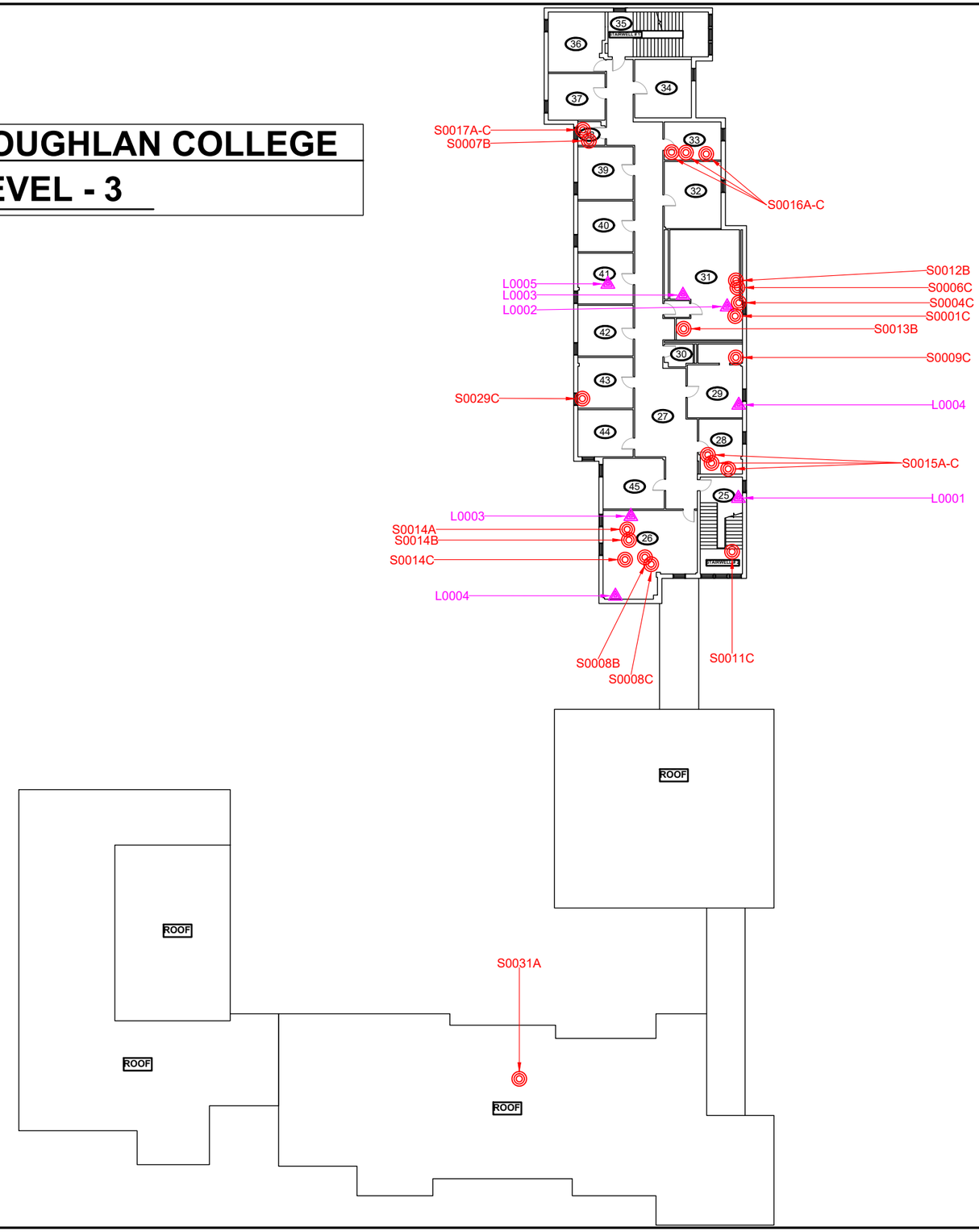
CLIENT NAME:
MEMORIAL UNIVERSITY OF NEWFOUNDLAND

PROJECT LOCATION:
208 ELIZABETH AVENUE, ST. JOHN'S, NEWFOUNDLAND

FIGURE NAME:
LEVEL 2

PROJECT NUMBER:	SCALE:
362535	NOT TO SCALE
DRAWN BY: NJ	REVIEWED BY: MS
DATE: SEPTEMBER 2025	FIGURE NUMBER: 2 OF 4

COUGHLAN COLLEGE
LEVEL - 3



N

LEGEND

- PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE

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 (PRE-DEMOLITION)

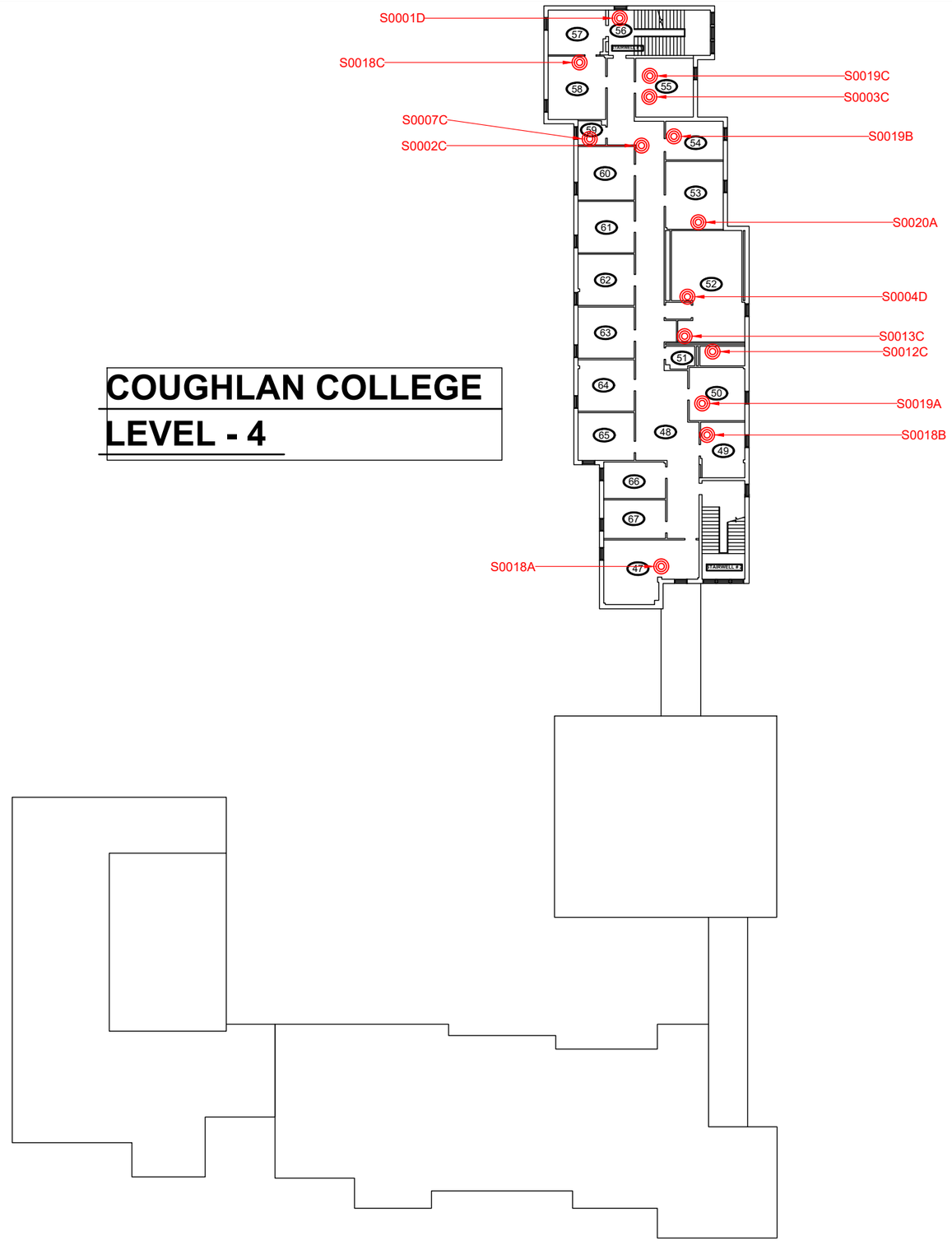
CLIENT NAME:
MEMORIAL UNIVERSITY OF NEWFOUNDLAND

PROJECT LOCATION:
208 ELIZABETH AVENUE, ST. JOHN'S, NEWFOUNDLAND

FIGURE NAME:
LEVEL 3

PROJECT NUMBER:	SCALE:
362535	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
NJ	MS
DATE:	FIGURE NUMBER:
SEPTEMBER 2025	3 OF 4

COUGHLAN COLLEGE
LEVEL - 4



N

LEGEND

- PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE

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 (PRE-DEMOLITION)

CLIENT NAME:
MEMORIAL UNIVERSITY OF NEWFOUNDLAND

PROJECT LOCATION:
208 ELIZABETH AVENUE, ST. JOHN'S, NEWFOUNDLAND

FIGURE NAME:
LEVEL 4

PROJECT NUMBER:	SCALE:
362535	NOT TO SCALE
DRAWN BY: NJ	REVIEWED BY: MS
DATE: SEPTEMBER 2025	FIGURE NUMBER: 4 OF 4

APPENDIX II-A
Asbestos Analytical Certificates

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.:	**0362535.000**		
Prepared For:	**M. Sweeney**		
Lab Reference No.:	**b347858**		
Analyst(s):	**R. Janssen**		
Date Received:	**September 18, 2025**	**Samples Submitted:**	**56**
Date Analyzed:	**September 26, 2025**	**Phases Analyzed:**	**84**

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 No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347858**
Date Analyzed: **September 26, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE) ASBESTOS		OTHER	
S0001A Wall, All, Plaster, Exterior Wall, Loc:1, CL-1S02	3 Phases: a) Homogeneous, light grey, granular, plaster base debris.	None Detected		Non-Fibrous Material	> 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected		Non-Fibrous Material	> 75%
	c) Homogeneous, white, drywall joint compound.	None Detected		Non-Fibrous Material	> 75%
Comments:	Phase a) of this sample is small in size. For more reliable results, a larger sample is required.				
S0001B Wall, Beam, Plaster, Beam, Loc:9, CL-2019	2 Phases: a) Homogeneous, beige, hard, cementitious, plaster base coat.	Chrysotile	1-5%	Vermiculite Other Non-Fibrous	5-10% > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected		Non-Fibrous Material	> 75%
S0001C Ceiling, Plaster, Ceiling, Loc:31, CL-3007A	2 Phases: a) Homogeneous, light grey, hard, cementitious, plaster base coat.	Chrysotile	1-5%	Non-Fibrous Material	> 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected		Non-Fibrous Material	> 75%
S0001D Ceiling, Plaster, Ceiling, Loc:56, CL-4S01	2 Phases: a) Homogeneous, light grey, hard, cementitious, plaster base coat.	Chrysotile	1-5%	Non-Fibrous Material	> 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected		Non-Fibrous Material	> 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347858**
Date Analyzed: **September 26, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001E Wall, Plaster, Wall, Loc:68, 1V04	2 Phases: a) Non-homogeneous, light grey, granular, plaster debris.	Chrysotile 1-5%	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
S0001F Ceiling, Plaster, Ceiling, Loc:74, CL-1023	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat.	None Detected	Vermiculite 5-10% Other Non-Fibrous > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
S0001G Ceiling, Plaster, Ceiling, Loc:77, CL-1V03 Lobby	2 Phases: a) Homogeneous, light grey, hard, cementitious, plaster base coat.	Chrysotile 1-5%	Non-Fibrous Material > 75%
	b) Homogeneous, white, hard, cementitious, plaster top coat.	None Detected	Non-Fibrous Material > 75%
S0002A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Beige With Small Grey Streaks, Loc:3, CL-1C03	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 No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347858**
Date Analyzed: **September 26, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0002B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Beige With Small Grey Streaks, Loc:5, CL-2012	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%
S0002C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Beige With Small Grey Streaks, Loc:48, CL-4C01	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%
S0003A Floor, Vinyl Floor Tile And Mastic, 12" X 12", White With Small Grey Streaks, Loc:3, CL-1C03	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, white, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
S0003B Floor, Vinyl Floor Tile And Mastic, 12" X 12", White With Small Grey Streaks, Loc:8, CL-2018	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 No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347858**
Date Analyzed: **September 26, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0003C Floor, Vinyl Floor Tile And Mastic, 12" X 12", White With Small Grey Streaks, Loc:55, CL-4015	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%
S0004A Wall, Drywall And Joint Compound, Exterior Wall, Loc:3, CL-1C03	Homogeneous, yellow, drywall joint compound.	Chrysotile 1-5%	Non-Fibrous Material > 75%
S0004B Wall, Drywall And Joint Compound, Loc:6, CL-2C03	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0004C Wall, Drywall And Joint Compound, Behind Plaster Finish Coat Around Window, Loc:31, CL-3007A	Homogeneous, pale yellow, drywall joint compound.	Chrysotile 1-5%	Non-Fibrous Material > 75%
S0004D Wall, Drywall And Joint Compound, Interior Wall, Loc:52, CL-4008A	Homogeneous, yellow, drywall joint compound.	Chrysotile 1-5%	Non-Fibrous Material > 75%
S0004E Ceiling, Drywall And Joint Compound, Ceiling, Loc:70, CL-1025	2 Phases: a) Homogeneous, yellow, drywall joint compound. b) Homogeneous, beige, drywall joint compound.	Chrysotile 1-5% None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Due to the condition of the sample, the order of phases reported may not reflect the actual order in situ.		
S0004F Ceiling, Drywall And Joint Compound, Ceiling, Loc:73, CL-1024	Homogeneous, yellow, drywall joint compound.	Chrysotile 1-5%	Non-Fibrous Material > 75%

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0004G Ceiling, Drywall And Joint Compound, Ceiling, Loc:75, CL-1022A	Homogeneous, yellow, drywall joint compound.	Chrysotile 1-5%	Non-Fibrous Material > 75%
S0005A Ceiling, Ceiling Tiles (lay-in), 2' X 4', Pinhole Fissure, Loc:3, CL-1C03	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-Made Vitreous Fibres 50-75% Perlite 1-5% Other Non-Fibrous 1-5%
S0005B Ceiling, Ceiling Tiles (lay-in), 2' X 4', Pinhole Fissure, Loc:69, CL-1C02	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-Made Vitreous Fibres 50-75% Perlite 1-5% Other Non-Fibrous 1-5%
S0005C Ceiling, Ceiling Tiles (lay-in), 2' X 4', Pinhole Fissure, Loc:76, CL-1022	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-Made Vitreous Fibres 50-75% Perlite 1-5% Other Non-Fibrous 1-5%
S0006A Piping, Unidentified Pipe, Tar, Tar From Straight-run Insulation On Unidentified Pipe, Loc:3, CL-1C03	Homogeneous, black, tar material.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Foil backing, man-made vitreous fiber weave reinforcement, and paper are present on the surface of this sample.		
S0006B Piping, Unidentified Pipe, Tar, Tar From Straight Run Of Unidentified Pipe, Loc:10, CL-2020A	Homogeneous, black, tar material.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Foil backing, man-made vitreous fiber weave reinforcement, and paper are present on the surface of this sample.		

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0006C Piping, Unidentified Pipe, Tar, Tar From Straight Run Of Unidentified Pipe, Loc:31, CL-3007A	Homogeneous, black, tar material.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Foil backing, fiberglass insulation, man-made vitreous fiber weave reinforcement, and paper are present on the surface of this sample.		
S0007A Floor, Mortar, Concrete Floor Leveling Compound, Loc:3, CL-1C03	2 Phases: a) Homogeneous, black, tar material. b) Homogeneous, grey, levelling compound.	None Detected None Detected	Tar and other Non-Fibrous Material > 75% Cellulose 1-5% Non-Fibrous Material > 75%
Comments:	Phase a) of this sample is small in size. For more reliable results, a larger sample is required. Another phase is present but there was insufficient material submitted to analyze.		
S0007B Floor, Mortar, Concrete Floor Leveling Compound, Loc:38, CL-3013	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0007C Floor, Mortar, Concrete Floor Leveling Compound, Loc:59, CL-4014	Homogeneous, off-white, soft, cementitious material.	Chrysotile 1-5%	Non-Fibrous Material > 75%
S0008A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Peach, Loc:5, CL-2012	2 Phases: a) Homogeneous, beige, 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% Non-Fibrous Material > 75%

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0008B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Peach, Loc:26, CL-3000	2 Phases: a) Homogeneous, beige, 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% Non-Fibrous Material > 75%
S0008C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Peach, Loc:26, CL-3000	2 Phases: a) Homogeneous, beige, 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% Non-Fibrous Material > 75%
S0009A Wall, Beam, Plaster, Plaster Base Coat From Vertical Structural Beam, Loc:6, CL-2C03	Homogeneous, beige, hard, cementitious, plaster base coat.	Actinolite/Tremolite <1% Chrysotile 1-5%	Vermiculite 5-10% Non-Fibrous Material > 75%
S0009B Wall, Plaster, Base Coat From Concealed Wall Surface, Loc:8, CL-2018			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0009C Wall, Plaster, Base Coat From Concealed Wall Surface, Loc:29, CL-3004			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0010A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Brown Speck, Loc:7, CL-2016	2 Phases: a) Homogeneous, beige, 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%

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Lab Reference No.: **b347858**
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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0010B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Brown Speck, Loc:8, CL-2018	2 Phases: a) Homogeneous, beige, 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%
S0010C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Brown Speck, Loc:11, CL-2023	2 Phases: a) Homogeneous, beige, 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%
S0011A Floor, Terrazzo, Grey, Loc:9, CL-2019	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0011B Floor, Terrazzo, Grey, Loc:1, CL-1S02	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0011C Floor, Terrazzo, Grey, Loc:25, CL-3S02	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0012A Piping, Unidentified Pipe, Parging Cement, Parging Cement On Unidentified Pipe Elbow, Loc:10, CL-2020A	2 Phases: a) Homogeneous, light grey, soft, parging cement. b) Homogeneous, black, tar material.	Chrysotile 25-50% None Detected	Non-Fibrous Material 50-75% Tar and other Non-Fibrous Material > 75%
Comments:	Cotton fabric reinforcement is present on the surface of this sample.		

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0012B Piping, Unidentified Pipe, Parging Cement, Parging Cement On Unidentified Pipe Elbow, Loc:31, CL-3007A			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0012C Piping, Domestic Water (hot And Cold), Parging Cement, On Pipe Elbow, Loc:50, CL-4005			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0013A Caulking, From Tub Surround, White, Loc:10, CL-2020A	Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
S0013B Caulking, From Tub Surround, White, Loc:31, CL-3007A	Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
S0013C Caulking, From Tub Surround, White, Loc:52, CL-4008A	Homogeneous, white, caulking material.	None Detected	Non-Fibrous Material > 75%
S0014A Floor, Vinyl Floor Tile And Mastic, 12" X 12", White With Black Specks, Loc:26, CL-3000	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%

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0014B Floor, Vinyl Floor Tile And Mastic, 12" X 12", White With Black Specks, Loc:26, CL-3000	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%
S0014C Floor, Vinyl Floor Tile And Mastic, 12" X 12", White With Black Specks, Loc:26, CL-3000	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%
S0015A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Grey With Small Brown Streaks, Loc:28, CL-3002	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%
S0015B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Grey With Small Brown Streaks, Loc:28, CL-3002	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%
S0015C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Grey With Small Brown Streaks, Loc:28, CL-3002	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%

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0016A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Long Grey Streaks, Loc:33, CL-3012	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%
S0016B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Long Grey Streaks, Loc:33, CL-3012	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%
S0016C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Long Grey Streaks, Loc:33, CL-3012	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%

Reviewed by:

Pinchin Ltd.
2025.09.26 11:58:56-03'00'

Reporting Analyst:

Pinchin Ltd.
2025.09.26 11:52:51-03'00'

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.:	**0362535.000**		
Prepared For:	**M. Sweeney**		
Lab Reference No.:	**b347859**		
Analyst(s):	**N. Gerrow**		
Date Received:	**September 18, 2025**	**Samples Submitted:**	**57**
Date Analyzed:	**September 25, 2025**	**Phases Analyzed:**	**70**

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
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Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347859**
Date Analyzed: **September 25, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0017A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Thick Brown Smear, Loc:38, CL-3013	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 1-5% None Detected	Non-Fibrous Material > 75% Tar and other Non-Fibrous Material > 75%
S0017B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Thick Brown Smear, Loc:38, CL-3013	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	 None Detected	Not Analyzed Tar and other Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
S0017C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Thick Brown Smear, Loc:38, CL-3013	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	 None Detected	Not Analyzed Tar and other Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
S0018A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Cream With Thick Brown Streaks, Loc:47, CL-4000	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%

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0018B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Cream With Thick Brown Streaks, Loc:49, CL-4003	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%
S0018C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Cream With Thick Brown Streaks, Loc:58, CL-4016	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%
S0019A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Cream With Thick Black Streaks, Loc:50, CL-4005	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%
S0019B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Cream With Thick Black Streaks, Loc:54, CL-4013	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%

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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0019C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Cream With Thick Black Streaks, Loc:55, CL-4015	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%
S0020A Sink, Mastic, Black, Loc:53, CL-4011	Homogeneous, black, mastic material.	Chrysotile 1-5%	Tar and other Non-Fibrous Material > 75%
S0020B Sink, Mastic, Sink Mastic, Loc:89, CL-1007			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0020C Sink, Mastic, Sink Mastic, Loc:89, CL-1007			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0021A Wall, Exterior, Texture Coat, Exterior Wall, Loc:68, 1V04	Homogeneous, off-white, finishing or texture coat.	None Detected	Non-Fibrous Material > 75%
S0021B Wall, Exterior, Texture Coat, Exterior Wall, Loc:68, 1V04	Homogeneous, off-white, finishing or texture coat.	None Detected	Non-Fibrous Material > 75%
S0021C Wall, Exterior, Texture Coat, Exterior Wall, Loc:83, CL-1V03	Homogeneous, off-white, finishing or texture coat.	None Detected	Non-Fibrous Material > 75%
S0022A Ceiling, Texture Coat, Sprayed, Loc:68, 1V04	Homogeneous, white, finishing or texture coat.	Chrysotile 5-10%	Perlite 5-10% Other Non-Fibrous > 75%

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SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0022B Ceiling, Texture Coat, Sprayed, Loc:68, 1V04			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0022C Ceiling, Texture Coat, Sprayed, Loc:83, CL-1V03			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0023A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Brown, Loc:69, CL-1C02	2 Phases: a) Homogeneous, brown, consolidated, vinyl floor tile.	Chrysotile 1-5%	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%
S0023B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Brown, Loc:69, CL-1C02	2 Phases: a) Homogeneous, brown, consolidated, vinyl floor tile.		Not Analyzed
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
S0023C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Brown, Loc:69, CL-1C02	2 Phases: a) Homogeneous, brown, consolidated, vinyl floor tile.		Not Analyzed
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		

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Lab Reference No.: **b347859**
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BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0024A Piping, Unidentified Pipe, Gasket, Gasket From Red Pipe, Loc:72, CL-1026	Homogeneous, red, gasket material.	None Detected	Non-Fibrous Material > 75%
S0024B Piping, Unidentified Pipe, Gasket, Gasket From Red Pipe, Loc:72, CL-1026	Homogeneous, red, gasket material.	None Detected	Non-Fibrous Material > 75%
S0024C Piping, Unidentified Pipe, Gasket, Gasket From Red Pipe, Loc:72, CL-1026	Homogeneous, red, gasket material.	None Detected	Non-Fibrous Material > 75%
S0025A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Brown Wave, Loc:83, CL-1V03	2 Phases: a) Homogeneous, tan, 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%
S0025B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Brown Wave, Loc:83, CL-1V03	2 Phases: a) Homogeneous, tan, 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%
S0025C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Tan With Brown Wave, Loc:83, CL-1V03	2 Phases: a) Homogeneous, tan, 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%

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SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0026A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Pink With Small White Streaks, Loc:87, CL-1006B	2 Phases: a) Homogeneous, 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%
S0026B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Pink With Small White Streaks, Loc:87, CL-1006B	2 Phases: a) Homogeneous, 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%
S0026C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Pink With Small White Streaks, Loc:87, CL-1006B	2 Phases: a) Homogeneous, 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%
S0027A Floor, Vinyl Floor Tile And Mastic, 12" X 12", Blue With White Specks, Loc:98, CL-1C01	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%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347859**
Date Analyzed: **September 25, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0027B Floor, Vinyl Floor Tile And Mastic, 12" X 12", Blue With White Specks, Loc:98, CL-1C01	2 Phases: a) Homogeneous, blue, 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%
S0027C Floor, Vinyl Floor Tile And Mastic, 12" X 12", Blue With White Specks, Loc:98, CL-1C01	2 Phases: a) Homogeneous, blue, 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%
S0028A Duct, Unidentified Duct, Tar, Wrap From Unidentified Duct, Loc:2, CL-1029	Homogeneous, black, tar material.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Cotton fabric reinforcement and man-made vitreous fibres are present on the surface of this sample.		
S0028B Duct, Unidentified Duct, Tar, Wrap From Unidentified Duct, Loc:2, CL-1029	Homogeneous, black, tar material.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Cotton fabric reinforcement and man-made vitreous fibres are present on the surface of this sample.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347859**
Date Analyzed: **September 25, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0028C Duct, Unidentified Duct, Tar, Wrap From Unidentified Duct, Loc:2, CL-1029	Homogeneous, black, tar material.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Cotton fabric reinforcement and man-made vitreous fibres are present on the surface of this sample.		
S0029A Window, Caulking, Interior Caulking From Large Stairwell Window, Loc:1, CL-1S02	Homogeneous, grey, soft, sticky, caulking material.	Chrysotile 1-5%	Non-Fibrous Material > 75%
S0029B Window, Caulking, Interior Caulking From Office Window, Loc:24, CL-2014			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0029C Window, Caulking, Interior Caulking From Office Window, Loc:43, CL-3005			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0030A Mastic, From Vent Stack, Loc:103, Exterior - South Block	Homogeneous, black, rubbery, tar material.	None Detected	Tar and other Non-Fibrous Material > 75%
S0030B Mastic, From Roof Access Hatch, Loc:101, Exterior - North Block	2 Phases: a) Homogeneous, black, rubbery, tar material. b) Homogeneous, black, tar material.	None Detected None Detected	Tar and other Non-Fibrous Material > 75% Tar Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347859**
Date Analyzed: **September 25, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0030C Mastic, From Metal Roof Flashing, Loc:102, Exterior - Middle Block	Homogeneous, black, tar material.	Chrysotile 5-10%	Tar and other Non-Fibrous Material > 75%
S0033A Roof, Caulking, From Roof Flashing, Grey, Loc:102, Exterior - Middle Block	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0033B Roof, Caulking, From Roof Flashing, Grey, Loc:102, Exterior - Middle Block	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0033C Roof, Caulking, From Roof Flashing, Grey, Loc:102, Exterior - Middle Block	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0034A Window, Caulking, Exterior Caulking From Large Window, Loc:101, Exterior - North Block	Homogeneous, blue-grey, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
S0034B Window, Caulking, Exterior Caulking From Vestibule Window, Loc:102, Exterior - Middle Block	Homogeneous, blue-grey, rubbery, caulking material.	None Detected	Non-Fibrous Material > 75%
S0034C Window, Caulking, Exterior Caulking From Vent Diffuser, Loc:102, Exterior - Middle Block	Homogeneous, brown, soft, caulking material.	None Detected	Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347859**
Date Analyzed: **September 25, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0035A Window, Caulking, Exterior Caulking From Large Window Frame, Loc:101, Exterior - North Block	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0035B Window, Caulking, Exterior Caulking From Brick And Concrete Join, Loc:101, Exterior - North Block	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0035C Window, Caulking, Exterior Caulking From Vestibule Window Frame, Loc:102, Exterior - Middle Block	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0036A Structure, Column, Texture Coat, Texture Finish On Concrete Pillars From South Entrance, Loc:103, Exterior - South Block	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0036B Structure, Column, Texture Coat, Texture Finish On Concrete Pillars From South Entrance, Loc:103, Exterior - South Block	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347859**
Date Analyzed: **September 25, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0036C Structure, Column, Texture Coat, Texture Finish On Concrete Pillars From South Entrance, Loc:103, Exterior - South Block	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0037A Ceiling, Soffit, Texture Coat, Texture Coat On Concrete Overhang From South Entrance, Loc:103, Exterior - South Block	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat. b) Homogeneous, white, hard, cementitious, plaster top coat.	Chrysotile 1-5% None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
S0037B Ceiling, Soffit, Texture Coat, Texture Coat On Concrete Overhang From South Entrance, Loc:103, Exterior - South Block	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat. b) Homogeneous, white, hard, cementitious, plaster top coat.	 None Detected	Not Analyzed Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
S0037C Ceiling, Soffit, Texture Coat, Texture Coat On Concrete Overhang From North Entrance, Loc:103, Exterior - South Block	2 Phases: a) Homogeneous, grey, hard, cementitious, plaster base coat. b) Homogeneous, white, hard, cementitious, plaster top coat.	 None Detected	Not Analyzed Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		

Reviewed by: **Reporting Analyst:**

Pinchin Ltd.
2025.09.25 16:48:41-03'00'

Pinchin Ltd.
2025.09.25 16:33:36-03'00'

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.:	**0362535.000**		
Prepared For:	**M. Sweeney**		
Lab Reference No.:	**b347855**		
Analyst(s):	**J. Stapleton**		
Date Received:	**September 18, 2025**	**Samples Submitted:**	**4**
Date Analyzed:	**September 26, 2025**	**Phases Analyzed:**	**23**

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 No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347855**
Date Analyzed: **September 26, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0031A Roof, Roofing Material, South Block Roof, Loc:103, Exterior - South Block	10 Phases: a) Homogeneous, black, layered paper.	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 5-10% Non-Fibrous Material 10-25%
	b) Homogeneous, yellow, foam insulation.		Not Analyzed
	c) Homogeneous, black, layered paper.	None Detected	Cellulose 50-75% Man-Made Vitreous Fibres 5-10% Non-Fibrous Material 25-50%
	d) Homogeneous, black, tar material.	None Detected	Tar Material > 75%
	e) Homogeneous, black, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 50-75% Tar and other Non-Fibrous Material 25-50%
	f) Homogeneous, brown, compressed, fibrous material.		Not Analyzed
	g) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%
	h) Homogeneous, black, layered, tar mastic material.	None Detected	Tar and other Non-Fibrous Material > 75%
	i) Homogeneous, black, tar-impregnated, compressed, fibrous material.	None Detected	Synthetic Fibres 25-50% Tar and other Non-Fibrous Material 50-75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347855**
Date Analyzed: **September 26, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
	j) Homogeneous, black, roofing material with light grey stone.	None Detected	Synthetic Fibres 25-50% Tar and other Non-Fibrous Material 50-75%
Comments:	This sample was analyzed from interior to exterior, with phase a) as the innermost layer (or bottom where identified on sample). Insulation materials not suspected to contain asbestos were not analyzed as per Pinchin's SOP.		
S0031B Roof, Roofing Material, North Block Roof, Loc:101, Exterior - North Block	11 Phases: a) Homogeneous, white, layered, fibrous material.		Not Analyzed
	b) Homogeneous, white, gypsum board.		Not Analyzed
	c) Homogeneous, black, tar material.	None Detected	Tar Material > 75%
	d) Homogeneous, pale yellow, plastic.		Not Analyzed
	e) Homogeneous, yellow, layered, foam material.		Not Analyzed
	f) Homogeneous, grey, multiple, layered papers.	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 5-10% Non-Fibrous Material 10-25%
	g) Homogeneous, white, layered, fibrous material.		Not Analyzed
	h) Homogeneous, white, gypsum board.		Not Analyzed

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: 0362535.000
Prepared For: M. Sweeney

Lab Reference No.: b347855
Date Analyzed: September 26, 2025

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
	i) Homogeneous, black, tar-impregnated, compressed, fibrous material.	None Detected	Synthetic Fibres 25-50% Tar and other Non-Fibrous Material 50-75%
	j) Homogeneous, black, layered, tar mastic material.	None Detected	Tar and other Non-Fibrous Material > 75%
	k) Homogeneous, black, roofing material with light black stone.	None Detected	Synthetic Fibres 25-50% Tar and other Non-Fibrous Material 50-75%
Comments:	This sample was analyzed from interior to exterior, with phase a) as the innermost layer (or bottom where identified on sample). Insulation materials not suspected to contain asbestos were not analyzed as per Pinchin's SOP.		
S0032A Roof, Roofing Material, 1v03 Roof, Loc:102, Exterior - Middle Block	6 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non-Fibrous Material 50-75%
	c) Homogeneous, black, tar, debris material.	None Detected	Tar and other Non-Fibrous Material > 75%
	d) Homogeneous, brown, compressed, fibrous material.		Not Analyzed
	e) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project No.: **0362535.000**
Prepared For: **M. Sweeney**

Lab Reference No.: **b347855**
Date Analyzed: **September 26, 2025**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
	f) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 50-75% Tar and other Non-Fibrous Material 25-50%
Comments:	This sample was analyzed from interior to exterior, with phase a) as the innermost layer (or bottom where identified on sample). Insulation materials not suspected to contain asbestos were not analyzed as per Pinchin's SOP. Gravel is present on the back of this sample.		
S0032B Roof, Roofing Material, 1v03 Roof, Loc:102, Exterior - Middle Block	6 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non-Fibrous Material 50-75%
	c) Homogeneous, black, tar, debris material.	None Detected	Tar and other Non-Fibrous Material > 75%
	d) Homogeneous, brown, compressed, fibrous material.		Not Analyzed
	e) Homogeneous, black, layered, tar material.	None Detected	Tar Material > 75%
	f) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 50-75% Tar and other Non-Fibrous Material 25-50%
Comments:	This sample was analyzed from interior to exterior, with phase a) as the innermost layer (or bottom where identified on sample). Insulation materials not suspected to contain asbestos were not analyzed as per Pinchin's SOP.		

Reviewed by:

Pinchin Ltd.
2025.09.26 16:46:25-03'00'

Reporting Analyst:

Pinchin Ltd.
2025.09.26 16:45:42-03'00'

APPENDIX II-B
Lead Analytical Certificates

Your Project #: 0362535.000
Your C.O.C. #: N/A

Attention: Matt Sweeney

Pinchin Ltd.
St. John's - Standing Offer
27 Austin St
2nd Floor
St. John's, NL
CANADA A1B 4C3

Report Date: 2025/09/25
Report #: R8619689
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5B6830
Received: 2025/09/18, 09:36

Sample Matrix: Paint
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals Paint Acid Extr. ICPMS	6	2025/09/24	2025/09/24	ATL SOP 00058	EPA 6020B R2 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 0362535.000
Your C.O.C. #: N/A

Attention: Matt Sweeney

Pinchin Ltd.
St. John's - Standing Offer
27 Austin St
2nd Floor
St. John's, NL
CANADA A1B 4C3

Report Date: 2025/09/25
Report #: R8619689
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5B6830
Received: 2025/09/18, 09:36

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Preeti Kapadia, Project Manager
Email: Preeti.Kapadia@bureauveritas.com
Phone# (902)420-0203 Ext:252

==========

This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

Bureau Veritas Job #: C5B6830
Report Date: 2025/09/25

Pinchin Ltd.
Client Project #: 0362535.000
Sampler Initials: MS

ELEMENTS BY ATOMIC SPECTROSCOPY (PAINT)

Bureau Veritas ID		AVHY44	AVHY44	AVHY45		
Sampling Date		2025/09/10	2025/09/10	2025/09/10		
COC Number		N/A	N/A	N/A		
	UNITS	L0001, PLASTER WALLS	L0001, PLASTER WALLS Lab-Dup	L0002, PLASTER CEILINGS	RDL	QC Batch
Metals						
Acid Extractable Lead (Pb)	%	0.013	0.0038 (1)	0.073	0.00050	A017347

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
(1) Poor RPD due to sample inhomogeneity. Verified by repeat digestion and analysis.

Bureau Veritas ID		AVHY46	AVHY47	AVHY48		
Sampling Date		2025/09/10	2025/09/10	2025/09/10		
COC Number		N/A	N/A	N/A		
	UNITS	L0003, DRYWALL WALLS	L0004, CONCRETE BLOCK WALLS	L0005, DRYWALL CEILINGS	RDL	QC Batch
Metals						
Acid Extractable Lead (Pb)	%	0.047	0.10	0.0051	0.00050	A017347

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AVHY49		
Sampling Date		2025/09/10		
COC Number		N/A		
	UNITS	L0006, CONCRETE WALLS	RDL	QC Batch
Metals				
Acid Extractable Lead (Pb)	%	0.13	0.00050	A017347

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	21.0°C

Results relate only to the items tested.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

Bureau Veritas Job #: C5B6830
Report Date: 2025/09/25

Pinchin Ltd.
Client Project #: 0362535.000
Sampler Initials: MS

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A017347	MOA	Matrix Spike [AVHY44-01]	Acid Extractable Lead (Pb)	2025/09/24		NC	%	75 - 125
A017347	MOA	Spiked Blank	Acid Extractable Lead (Pb)	2025/09/24		93	%	75 - 125
A017347	MOA	Method Blank	Acid Extractable Lead (Pb)	2025/09/24	<0.00050		%	
A017347	MOA	RPD [AVHY44-01]	Acid Extractable Lead (Pb)	2025/09/24	112 (1)		%	35

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

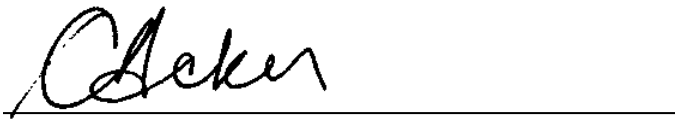
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

(1) Poor RPD due to sample inhomogeneity. Verified by repeat digestion and analysis.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Colleen Acker, B.Sc, Scientific Service Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

C5B6830
2025/09/18 09:36

BUREAU VERITAS

6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: Pinchin Ltd.	Company Name:	Quotation #:	[X] Regular TAT (5-7 days) Most analyses
Contact Name: Matt Sweeney	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address: 27 Austin Street, 2nd Floor	Address:	Project #: 0362535.000	Rush TAT (Surcharges will be applied)
St. John's, NL		Site Location:	[ ] 1 Day [ ] 2 Days [ ] 3-4 Days
Phone: 709.754.4490 Fax:	Phone: Fax:	Site #:	
Email: msweeney@pinchin.com	Email: apark@pinchin.com	Site Location Province: _____ NL	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY		Sampled By: _____ Matt Sweeney	Rush Confirmation #:

Regulation 153	Other Regulations
[ ] Table 1 [ ] Res/Park [ ] Med/ Fine	[ ] CCME [ ] Sanitary Sewer Bylaw
[ ] Table 2 [ ] Ind/Comm [ ] Coarse	[ ] MISA [ ] Storm Sewer Bylaw
[ ] Table 3 [ ] Agri/ Other	[ ] PWQO Region _____
[ ] Table _____	[ ] Other (Specify) _____
FOR RSC (PLEASE CIRCLE) Y / N	[ ] REG 558 (MIN. 3 DAY TAT REQUIRED)
	[ ] REG 406 Table _____

Include Criteria on Certificate of Analysis: Y / N

SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

Analysis Requested

SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	Lead (Pb) in Paints	PCBs	HOLD- DO NOT ANALYZE
L0001, Plaster Walls	2025/09/10		BULK									X		
L0002, Plaster Ceilings	2025/09/10		BULK									X		
L0003, Drywall Walls	2025/09/10		BULK									X		
L0004, Concrete Block Walls	2025/09/10		BULK									X		
L0005, Drywall Ceilings	2025/09/10		BULK									X		
L0006, Concrete Floors	2025/09/10		BULK									X		

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
		21
		21
		21

COOLING MEDIA PRESENT: Y / N

COMMENTS

NL-2025-09-117

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
Matt Sweeney	2025/09/17			SEP 17 2025	3:00	

C5B6830
2025/09/18 09:36

NL Thursday Coolers

ADDITIONAL COOLER TEMPERATURE RECORD

CHAIN-OF-CUSTODY RECORD

COOLER OBSERVATIONS:

BV RECEIPT#:

	CUSTODY SEAL	YES	NO	COOLER ID			
1	PRESENT			TEMP	-0.4 (1)	-1.4 (2)	-2.4 (3)
	INTACT						
	ICE PRESENT	✓					
2	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	0.6 (1)	-0.4 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
3	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	-1.4 (1)	2.6 (2)	0.6 (3)
	INTACT						
	ICE PRESENT	✓					
4	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	-0.4 (1)	2.6 (2)	0.6 (3)
	INTACT						
	ICE PRESENT	✓					
5	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	2.6 (1)	3.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
6	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	2.6 (1)	3.6 (2)	3.6 (3)
	INTACT						
	ICE PRESENT	✓					
7	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	-1.4 (1)	2.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
8	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	3.6 (1)	1.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
9	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	2.6 (1)	3.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
10	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	1.6 (1)	4.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					

	CUSTODY SEAL	YES	NO	COOLER ID			
11	PRESENT			TEMP	4.6 (1)	3.6 (2)	5.6 (3)
	INTACT						
	ICE PRESENT	✓					
12	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	5.6 (1)	4.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					
13	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	3.6 (1)	0.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					
14	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	3.6 (1)	1.6 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
15	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	5.6 (1)	4.6 (2)	3.6 (3)
	INTACT						
	ICE PRESENT	✓					
16	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	4.6 (1)	5.6 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
17	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	0.6 (1)	0.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
18	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	1.6 (1)	1.6 (2)	3.6 (3)
	INTACT						
	ICE PRESENT	✓					
19	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	2.6 (1)	5.6 (2)	6.6 (3)
	INTACT						
	ICE PRESENT	✓					
20	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	5.6 (1)	5.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					

	CUSTODY SEAL	YES	NO	COOLER ID			
21	PRESENT			TEMP	6.6 (1)	-1.4 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
22	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	5.6 (1)	3.6 (2)	6.6 (3)
	INTACT						
	ICE PRESENT	✓					
23	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	3.6 (1)	3.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					
24	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
25	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
26	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
27	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
28	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
29	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
30	CUSTODY SEAL	YES	NO	COOLER ID			
	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						

RECEIVED BY (SIGN & PRINT)		DATE (YYYY/MM/DD)	TIME (HH:MM)
[signature]	Punctinder Kaur	2025/09/18	09:36

If Custody seal condition and presence of ice is the same for all, use these boxes:	CUSTODY SEAL	YES	NO
	PRESENT		
	INTACT		
	ICE PRESENT		

APPENDIX II-C
PCB Analytical Certificates

Your Project #: 0362535.000
Your C.O.C. #: N/A

Attention: Matt Sweeney

Pinchin Ltd.
St. John's - Standing Offer
27 Austin St
2nd Floor
St. John's, NL
CANADA A1B 4C3

Report Date: 2025/09/26
Report #: R8621129
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5B6828
Received: 2025/09/18, 09:36

Sample Matrix: Solid
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Polychlorinated Biphenyl in Solids (1, 2)	1	2025/09/25	2025/09/26	CAM SOP-00309	EPA 8082A m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) Analysis was conducted according to Bureau Veritas method CAM SOP-00309 and modified where applicable based on the sample matrix. This test is not Standards Council of Canada accredited for this matrix.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

Your Project #: 0362535.000
Your C.O.C. #: N/A

Attention: Matt Sweeney

Pinchin Ltd.
St. John's - Standing Offer
27 Austin St
2nd Floor
St. John's, NL
CANADA A1B 4C3

Report Date: 2025/09/26
Report #: R8621129
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5B6828
Received: 2025/09/18, 09:36

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Preeti Kapadia, Project Manager
Email: Preeti.Kapadia@bureauveritas.com
Phone# (902)420-0203 Ext:252

==========

This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

PCBS IN SOLIDS (SOLID)

Bureau Veritas ID		AVHY39		
Sampling Date		2025/09/10		
COC Number		N/A		
	UNITS	P0001, EXTERIOR CAULKING FROM BRICK AND CONCRETE JOIN	RDL	QC Batch
PCBs				
Aroclor 1016	ppm	<0.1	0.1	A018931
Aroclor 1221	ppm	<0.1	0.1	A018931
Aroclor 1232	ppm	<0.1	0.1	A018931
Aroclor 1242	ppm	<0.1	0.1	A018931
Aroclor 1248	ppm	<0.1	0.1	A018931
Aroclor 1254	ppm	<0.1	0.1	A018931
Aroclor 1260	ppm	<0.1	0.1	A018931
Total PCB	ppm	<0.1	0.1	A018931
Surrogate Recovery (%)				
Decachlorobiphenyl	%	124		A018931

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	21.0°C

Sample AVHY39 [P0001, EXTERIOR CAULKING FROM BRICK AND CONCRETE JOIN] : PCB analysis:Values were calculated on a wet weight basis.

Results relate only to the items tested.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

Bureau Veritas Job #: C5B6828
Report Date: 2025/09/26

Pinchin Ltd.
Client Project #: 0362535.000
Sampler Initials: MS

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A018931	DS1	Matrix Spike [AVHY39-01]	Decachlorobiphenyl	2025/09/26		92	%	30 - 130
			Aroclor 1260	2025/09/26		87	%	30 - 130
			Total PCB	2025/09/26		87	%	30 - 130
A018931	DS1	Spiked Blank	Decachlorobiphenyl	2025/09/26		115	%	30 - 130
			Aroclor 1260	2025/09/26		102	%	30 - 130
			Total PCB	2025/09/26		102	%	30 - 130
A018931	DS1	RPD	Aroclor 1260	2025/09/26	0.69		%	50
			Total PCB	2025/09/26	0.69		%	50
A018931	DS1	Method Blank	Decachlorobiphenyl	2025/09/26		117	%	30 - 130
			Aroclor 1016	2025/09/26	<0.1		ppm	
			Aroclor 1221	2025/09/26	<0.1		ppm	
			Aroclor 1232	2025/09/26	<0.1		ppm	
			Aroclor 1242	2025/09/26	<0.1		ppm	
			Aroclor 1248	2025/09/26	<0.1		ppm	
			Aroclor 1254	2025/09/26	<0.1		ppm	
			Aroclor 1260	2025/09/26	<0.1		ppm	
			Total PCB	2025/09/26	<0.1		ppm	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Louise Harding, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.

Bureau Veritas 200 Bluewater Rd, Suite 105, Bedford, Nova Scotia Canada B4B 1G9 Tel: 902-420-0203 Toll-free: 800-565-7227 Fax: 902-420-8612 www.bvna.com

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2025/09/18 09:36

NL-2025-09-116

BUREAU VERITAS

6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Page _____ of _____

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: Pinchin Ltd.	Company Name:	Quotation #:	X Regular TAT (5-7 days) Most analyses
Contact Name: Matt Sweeney	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address: 27 Austin Street, 2nd Floor	Address:	Project #: 0362535.000	Rush TAT (Surcharges will be applied)
St. John's, NL		Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Phone: 709.754.4490 Fax:	Phone: Fax:	Site #:	
Email: msweeney@pinchin.com	Email: apark@pinchin.com	Site Location Province:_____ NL	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY		Sampled By:_____ Matt Sweeney	Rush Confirmation #:

Regulation 153	Other Regulations
☐ Table 1 ☐ Res/Park ☐ Med/ Fine	☐ CCME ☐ Sanitary Sewer Bylaw
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ MISA ☐ Storm Sewer Bylaw
☐ Table 3 ☐ Agri/ Other	☐ PWQO Region _____
☐ Table _____	☐ Other (Specify) _____
FOR RSC (PLEASE CIRCLE) Y / N	☐ REG 558 (MIN. 3 DAY TAT REQUIRED)
	☐ REG 406 Table _____

Include Criteria on Certificate of Analysis: Y / N

SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	Lead (Pb) in Paints	PCBs							HOLD- DO NOT ANALYZE
P0001, Exterior Caulking From Brick And Concrete Join	2025/09/10		BULK										X							

Analysis Requested

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
		21
		21
		21

COOLING MEDIA PRESENT: Y / N

COMMENTS

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
Matt Sweeney	2025/09/17			SEP 17 2025	3:30	

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at https://www.bvna.com/coc-terms-and-conditions

C5B6828
2025/09/18 09:36

NL Thursday Coolers

BUREAU VERITAS

ADDITIONAL COOLER TEMPERATURE RECORD

CHAIN-OF-CUSTODY RECORD

COOLER OBSERVATIONS:

BV RECEIPT#:

	CUSTODY SEAL	YES	NO	COOLER ID			
1	PRESENT			TEMP	-0.4 (1)	-1.4 (2)	-2.4 (3)
	INTACT						
	ICE PRESENT	✓					
2	PRESENT			TEMP	0.6 (1)	-0.4 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
3	PRESENT			TEMP	-1.4 (1)	2.6 (2)	0.6 (3)
	INTACT						
	ICE PRESENT	✓					
4	PRESENT			TEMP	-0.4 (1)	2.6 (2)	0.6 (3)
	INTACT						
	ICE PRESENT	✓					
5	PRESENT			TEMP	2.6 (1)	3.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
6	PRESENT			TEMP	2.6 (1)	3.6 (2)	3.6 (3)
	INTACT						
	ICE PRESENT	✓					
7	PRESENT			TEMP	-1.4 (1)	2.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
8	PRESENT			TEMP	3.6 (1)	1.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
9	PRESENT			TEMP	2.6 (1)	3.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
10	PRESENT			TEMP	1.6 (1)	4.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					

	CUSTODY SEAL	YES	NO	COOLER ID			
11	PRESENT			TEMP	4.6 (1)	3.6 (2)	5.6 (3)
	INTACT						
	ICE PRESENT	✓					
12	PRESENT			TEMP	5.6 (1)	4.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					
13	PRESENT			TEMP	3.6 (1)	0.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					
14	PRESENT			TEMP	3.6 (1)	1.6 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
15	PRESENT			TEMP	5.6 (1)	4.6 (2)	3.6 (3)
	INTACT						
	ICE PRESENT	✓					
16	PRESENT			TEMP	4.6 (1)	5.6 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
17	PRESENT			TEMP	0.6 (1)	0.6 (2)	1.6 (3)
	INTACT						
	ICE PRESENT	✓					
18	PRESENT			TEMP	1.6 (1)	1.6 (2)	3.6 (3)
	INTACT						
	ICE PRESENT	✓					
19	PRESENT			TEMP	2.6 (1)	5.6 (2)	6.6 (3)
	INTACT						
	ICE PRESENT	✓					
20	PRESENT			TEMP	5.6 (1)	5.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					

	CUSTODY SEAL	YES	NO	COOLER ID			
21	PRESENT			TEMP	6.6 (1)	-1.4 (2)	2.6 (3)
	INTACT						
	ICE PRESENT	✓					
22	PRESENT			TEMP	5.6 (1)	3.6 (2)	6.6 (3)
	INTACT						
	ICE PRESENT	✓					
23	PRESENT			TEMP	3.6 (1)	3.6 (2)	4.6 (3)
	INTACT						
	ICE PRESENT	✓					
24	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
25	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
26	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
27	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
28	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
29	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						
30	PRESENT			TEMP	(1)	(2)	(3)
	INTACT						
	ICE PRESENT						

RECEIVED BY (SIGN & PRINT)		DATE (YYYY/MM/DD)	TIME (HH:MM)
Rkeen	Runethinder Kaur	2025/09/18	09:36

If Custody seal condition and presence of ice is the same for all, use these boxes:	CUSTODY SEAL	YES	NO
	PRESENT		
	INTACT		
	ICE PRESENT		

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
Newfoundland and Labrador	1%	1%
Federal	1%	1%

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

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)

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)
Newfoundland and Labrador	0.009	90
Federal	0.009	90

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

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Other lead building products (e.g. batteries, lead sheeting, flashing) were identified by visual observation only.

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.

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

Identification of mould and water damage were not included in this assessment at the request of the client.

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APPENDIX IV
Location Summary Report

Client:Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL**
Building Name: Coughlan College
Survey Date: 2025-09-12 **Last Re-Assessment:**
Building Phases: A: 1968 North Block, B: 1968 Middle Block, C: 1968 South Block

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1	CL-1S02	200	1	A	
2	CL-1029	240	1	A	Including CL-1029A
3	CL-1C03	194	1	A	Assessment of this area limited to unoccupied space between CL-1029 and CL-1V04
4	CL-2S02	200	2	A	
5	CL-2012	220	2	A	
6	CL-2C03	720	2	A	
7	CL-2016	143	2	A	
8	CL-2018	169	2	A	
9	CL-2019	30	2	A	
10	CL-2020A	600	2	A	
11	CL-2023	196	2	A	
12	CL-2026	126	2	A	
13	CL-2027	196	2	A	
14	CL-2S01	300	2	A	Including landing on first floor
15	CL-2029	196	2	A	
16	CL-2028	112	2	A	
17	CL-2025	42	2	A	
18	CL-2024	168	2	A	
19	CL-2022	168	2	A	
20	CL-2021	168	2	A	
21	CL-2020	168	2	A	
22	CL-2017	168	2	A	
23	CL-2015	126	2	A	
24	CL-2014	168	2	A	
25	CL-3S02	200	3	A	
26	CL-3000	352	3	A	
27	CL-3C01	720	3	A	
28	CL-3002	143	3	A	
29	CL-3004	169	3	A	
30	CL-3006	30	3	A	
31	CL-3007A	600	3	A	
32	CL-3010	112	3	A	
33	CL-3012	112	3	A	
34	CL-3014	112	3	A	
35	CL-3S01	200	3	A	
36	CL-3016	196	3	A	
37	CL-3015	126	3	A	
38	CL-3013	42	3	A	
39	CL-3011	168	3	A	
40	CL-3009	154	3	A	
41	CL-3008	154	3	A	
42	CL-3007	154	3	A	
43	CL-3005	168	3	A	
44	CL-3003	140	3	A	
45	CL-3001	180	3	A	
46	CL-4S02	200	4	A	
47	CL-4000	352	4	A	
48	CL-4C01	720	4	A	
49	CL-4003	143	4	A	
50	CL-4005	169	4	A	
51	CL-4007	30	4	A	
52	CL-4008A	600	4	A	
53	CL-4011	196	4	A	
54	CL-4013	140	4	A	
55	CL-4015	168	4	A	
56	CL-4S01	200	4	A	
57	CL-4017	140	4	A	

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Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
58	CL-4016	182	4	A	
59	CL-4014	42	4	A	
60	CL-4012	182	4	A	
61	CL-4010	182	4	A	
62	CL-4009	182	4	A	
63	CL-4008	182	4	A	
64	CL-4006	182	4	A	
65	CL-4004	182	4	A	
66	CL-4002	135	4	A	
67	CL-4001	135	4	A	
68	CL-1V04	224	1	B	
69	CL-1C02	400	1	B	
70	CL-1025	40	1	B	
71	CL-1025A	80	1	B	
72	CL-1026	150	1	B	
73	CL-1024	80	1	B	
74	CL-1023	800	1	B	
75	CL-1022A	100	1	B	
76	CL-1022	60	1	B	
77	CL-1V03 Lobby	150	1	B	
78	CL-1021	220	1	B	
79	CL-1S03	80	1	B	
80	CL-2030	2300	2	B	
81	CL-2030A	40	2	B	
82	CL-2030B	50	2	B	
83	CL-1V03	224	1	B	
84	CL-1V01	100	1	C	
85	CL-1005	80	1	C	
86	CL-1005A	240	1	C	
87	CL-1006B	442	1	C	
88	CL-1006A	442	1	C	
89	CL-1007	225	1	C	
90	CL-1007A	30	1	C	
91	CL-1008	30	1	C	
92	CL-1000	200	1	C	
93	CL-1001	240	1	C	
94	CL-1002	240	1	C	
95	CL-1003	200	1	C	
96	CL-1003A	150	1	C	
97	CL-1004	150	1	C	
98	CL-1C01	732	1	C	
99	CL-1V02	150	1	C	Not included in scope of this assessment
100	CL-1009	364	1	C	
101	Exterior - North Block	0		A	
102	Exterior - Middle Block	0		B	
103	Exterior - South Block	0		C	

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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:Memorial University of Newfoundland Site: 208 Elizabeth Ave, St. John's, NL Building Name: Coughlan College Survey Date: 2025-09-12

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABCDEFG	Ceiling, Wall, Ceiling, Wall | Beam, All, Debris, Exterior | Plaster | Exterior Wall	1,2,4,9,10,14,25,30,31,35,46,51,52,56,68,74 77,79,81,83,96,97	A,B,C	0	9902	0	0	Chrysotile	Yes	PF
Asbestos	S0002 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Beige With Small Grey Streaks	3,5,6,27,29,44,48	A	0	2785	0	0	None Detected	No	
Asbestos	S0003 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", White With Small Grey Streaks	3,5,7,8,12,13,15,16,18,19,20,21,22,23,24,32 34,36,37,39,40,41,42,43,45,50,54,55,60,61,62 63,64,66,67,68,89	A,B,C	0	5064	0	0	None Detected	No	
Asbestos	S0004 ABCDEFG	Ceiling, Wall, Ceiling, Wall | Debris, Interior | Drywall And Joint Compound | Exterior Wall	2,3,5,6,7,8,9,10,11,12,13,15,16,17,18,19,20 21,22,23,24,26,27,28,29,30,31,32,33,34,36,37 38,39,40,41,42,43,44,45,47,48,49,50,51,52,53 54,55,57,58,59,60,61,62,63,64,65,66,67,70,71 72,73,75,78,81,84,85,86,87,88,89,90,91,92,93 94,95,96,97,98,100	A,B,C	0	40749	0	0	Chrysotile	Yes	NF
Asbestos	S0005 ABC	Ceiling | | Ceiling Tiles (lay-in) | 2' X 4', Pinhole Fissure	3,69,76,92,93,94,95,98,100	A,B,C	0	1962	0	0	None Detected	No	
Asbestos	S0006 ABC	Piping | Unidentified Pipe, Domestic Water (hot And Cold) | Tar | Tar From Straight-run Insulation On Unidentified Pipe	3,10,31,50,52,69,73,75,84,97,98	A,B,C	301	0	0	0	None Detected	No	
Asbestos	S0007 ABC	Floor | | Mortar | Concrete Floor Leveling Compound	3,17,38,59	A	0	40	0	0	Chrysotile	Yes	NF
Asbestos	S0008 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Peach	5,26	A	0	66	0	0	None Detected	No	
Asbestos	S0009 ABC	Wall | Beam | Plaster | Plaster Base Coat From Vertical Structural Beam	6,8,27,29,48,50,98	A,C	0	700	0	0	Chrysotile	Yes	PF
Asbestos	S0010 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Tan With Brown Speck	7,8,11,12,15,18,19,20,21,22,23,24,26	A	0	348	0	0	None Detected	No	
Asbestos	S0011 ABC	Floor | | Terrazzo | Grey	1,4,9,10,14,25,30,31,35,46,51,52,56,73,75,84 91,96,97	A,B,C	0	4100	0	0	None Detected	No	
Asbestos	S0012 ABC	Piping | Domestic Water (hot And Cold), Unidentified Pipe | Parging Cement | Parging Cement On Unidentified Pipe Elbow	10,31,50,52,69,71,73,75,84,97,98	A,B,C	0	0	30	0	Chrysotile	Yes	F
Asbestos	S0013 ABC	Other | | Caulking | From Tub Surround, White	10,31,52	A	60	0	0	0	None Detected	No	
Asbestos	S0014 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", White With Black Specks	26,88	A,C	0	352	0	0	None Detected	No	
Asbestos	S0015 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Grey With Small Brown Streaks	28,47,49,58,65	A	0	940	0	0	None Detected	No	
Asbestos	S0016 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Tan With Long Grey Streaks	33	A	0	112	0	0	None Detected	No	
Asbestos	S0017 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Tan With Thick Brown Smear	17,38,57,59,68,69,76,78,83,87,88,90	A,B,C	0	1825	0	0	Chrysotile	Yes	NF
Asbestos	S0018 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12",	47,49,58,65	A	0	56	0	0	None Detected	No	

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
		Cream With Thick Brown Streaks									
Asbestos	S0019 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Cream With Thick Black Streaks	50,54,55,60,61,62,63,64,66,67	A	0	162	0	0	None Detected	No	
Asbestos	S0020 ABC	Other | Sink | Mastic | Black	53,89	A,C	0	0	2	0	Chrysotile	Yes	NF
Asbestos	S0021 ABC	Wall | Exterior | Texture Coat | Exterior Wall	68,83,99	B,C	0	700	0	0	None Detected	No	
Asbestos	S0022 ABC	Ceiling | | Texture Coat | Sprayed	68,83,99	B,C	0	448	0	0	Chrysotile	Yes	F
Asbestos	S0023 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Brown	69	B	0	18	0	0	Chrysotile	Yes	NF
Asbestos	S0024 ABC	Piping | Unidentified Pipe | Gasket | Gasket From Red Pipe	72	B	0	0	3	0	None Detected	No	
Asbestos	S0025 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Tan With Brown Wave	83	B	0	112	0	0	None Detected	No	
Asbestos	S0026 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Pink With Small White Streaks	87	C	0	221	0	0	None Detected	No	
Asbestos	S0027 ABC	Floor | | Vinyl Floor Tile And Mastic | 12" X 12", Blue With White Specks	98	C	0	732	0	0	None Detected	No	
Asbestos	S0028 ABC	Duct | Unidentified Duct | Tar | Wrap From Unidentified Duct	2	A	0	60	0	0	None Detected	No	
Asbestos	S0029 ABC	Other | Window | Caulking | Interior Caulking From Large Stairwell Window	1,2,3,4,5,7,8,10,11,12,13,14,15,16,17,18,19 20,21,22,23,24,25,26,28,29,32,33,34,35,36,37 38,39,40,41,42,43,44,45,46,47,49,50,53,54,55 56,57,58,59,60,61,62,63,64,65,66,67,68,79,80 81,83,84,85,87,88,92,93,94,95,96	A,B,C	3200	0	0	0	Chrysotile	Yes	NF
Asbestos	S0030 ABC	Other | | Mastic | From Roof Access Hatch	101,102,103	A,B,C	30	0	0	0	Chrysotile	Yes	NF
Asbestos	S0031 AB	Other | Roof | Roofing Material | South Block Roof	101,103	A,C	0	3000	0	0	Not Analyzed	No	
Asbestos	S0032 AB	Other | Roof | Roofing Material | 1v03 Roof	102	B	0	2500	0	0	None Detected	No	
Asbestos	S0033 ABC	Other | Roof | Caulking | From Roof Flashing, Grey	102	B	30	0	0	0	None Detected	No	
Asbestos	S0034 ABC	Other | Window | Caulking | Exterior Caulking From Large Window	101,102	A,B	1250	0	0	0	None Detected	No	
Asbestos	S0035 ABC	Other | Window | Caulking | Exterior Caulking From Large Window Frame	101,102	A,B	1200	0	0	0	None Detected	No	
Asbestos	S0036 ABC	Structure | Column | Texture Coat | Texture Finish On Concrete Pillars From South Entrance	103	C	0	200	0	0	None Detected	No	
Asbestos	S0037 ABC	Ceiling | Soffit | Texture Coat | Texture Coat On Concrete Overhang From South Entrance	103	C	0	50	0	0	Chrysotile	Yes	F
Asbestos	V9000	Duct | Supply Air | Unidentified Mechanical Insulation |	71,74,86	B,C	0	300	0	0	Confirmed Asbestos	Yes	F
Asbestos	V9500	Duct | | Tar |	80	B	0	30	0	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Floor | | Ceramic Tiles |	99	C	0	150	0	0	Presumed Asbestos	Yes	NF

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0000	Ceiling | | Ceiling Tiles (lay-in) |	80,82,87,88	B,C	0	663	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling | | Ceiling Tiles (lay-in) | 2' X 4', Pinhole Abundant Fleck	5	A	0	40	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling | | Ceiling Tiles (lay-in) | 2' X 4', Pinhole Fleck	3,69,92,93,94,95,98,100	A,B,C	0	668	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Sheet Flooring |	53,77,79,80,81,82	A,B	0	196	0	0	Non Asbestos	No	
Asbestos	V0000	Mechanical Equipment | Tank | Abated Material |	2,72	A,B	0	0	2	0	Non Asbestos	No	
Asbestos	V0000	Other | Light Fixture | Fibreglass |	17	A	0	0	1	0	Non Asbestos	No	
Paint	L0001	Wall | Plaster | Plaster Walls	1,4,9,14,25,30,35,46,51,56,68,77,79,81,83	A,B	0	4140	0	0	Lead (Low)	Yes	-
Paint	L0002	Ceiling | Plaster | Plaster Ceilings	1,2,4,10,14,25,31,35,46,52,56,68,74,77,79,83 96,97	A,B,C	0	5388	0	0	Lead (Low)	Yes	-
Paint	L0003	Wall | Drywall And Joint Compound | Drywall Walls	2,3,5,6,7,8,9,10,11,12,13,15,16,17,18,19,20 21,22,23,24,26,27,28,29,30,31,32,33,34,36,37 38,39,40,41,42,43,44,45,47,48,49,50,51,52,53 54,55,57,58,59,60,61,62,63,64,65,66,67,84,87 88,89,90,91,92,93,94,95,96,97,98,100	A,C	0	29910	0	0	Lead (Low)	Yes	-
Paint	L0004	Wall | Masonry | Concrete Block Walls	2,5,7,8,11,12,13,15,16,17,18,19,20,21,22,23 24,26,28,29,32,33,34,36,37,38,39,40,41,42,43 44,45,47,49,50,53,54,55,57,58,59,60,61,62,63 64,65,66,67,69,70,71,72,73,74,75,76,77,78,79 80,82,84,85,86,88,92,93,94,95,98	A,B,C	0	17495	0	0	Lead (High)	Yes	-
Paint	L0005	Ceiling | Drywall And Joint Compound | Drywall Ceilings	6,7,8,9,11,12,13,15,16,17,18,19,20,21,22,23 24,27,28,29,30,32,33,34,36,37,38,39,40,41,42 43,44,45,48,49,50,51,53,54,55,57,59,60,61,62 63,64,65,66,67,73,75,78,81,84,85,87,89,90,91	A,B,C	0	9931	0	0		No	-
Paint	L0006	Floor | Concrete (poured) | Concrete Floors	2,70,71,72,74,78,86	A,B,C	0	1580	0	0	Lead (High)	Yes	-
Lead Product	V9500	Batteries In Emer. Lights	1,69	A,B	0	0	2	0	Presumed Lead Product	Yes	-
PCB	P0001	Caulking | Exterior Caulking From Brick And Concrete Join	101	A	300	0	0	0	-	No	-
PCB	V9500	Light Ballasts	74,80,82,100	B,C	0	0	44	0	Presumed PCB	Yes	-
PCB	V0000	Light Ballasts	3,5,6,7,8,10,11,12,13,15,16,18,19,20,21,22 23,24,26,27,28,29,31,32,33,34,36,37,38,39,40 41,42,43,44,45,47,48,69,85,87,88,89,92,93,94 95,96,97,98	A,B,C	0	0	123	0	-	No	-
Hg	V9000	Thermostat	1,68,82,83,84,87,88	A,B,C	0	0	7	0	Hg	Yes	-
Hg	V9500	Light Fixture	3,5,6,7,8,10,11,12,13,15,16,18,19,20,21,22 23,24,26,27,28,29,31,32,33,34,36,37,38,39,40 41,42,43,44,45,47,48,69,74,80,82,85,87,88,89 90,92,93,94,95,96,97,98,100	A,B,C	0	0	401	0	Presumed Hg	Yes	-

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Hg	V0000	Light Fixture	49,50,53,54,55,57,58,60,61,62,63,64,65,66,67	A	0	0	30	0	-	No	-
Hg	V0000	Thermostat	4,5,7,8,11,12,13,14,15,16,18,19,20,21,22,23 24,25,26,28,29,32,33,34,35,36,37,38,39,40,41 42,43,44,45,46,47,49,50,53,54,55,56,57,58,59 60,61,62,63,64,65,66,67,69,73,75,77,85,92,93 94,95,98,100	A,B,C	0	0	67	0	-	No	-

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

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. 2025

APPENDIX VI
All Data Report

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #1 : CL-1S02 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Paint	C	Y		200(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor		Terrazzo, Grey			B	Y		180	20		SF	S0011B	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		100(7)			LF	S0029A	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall		Plaster	Debris		B	Y				20(1)	SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall[1]		Concrete Block		Plaster	C	N										
Wall	All	Plaster, Exterior wall		Paint	B	Y		550(7)		50(3)	SF	S0001A	Chrysotile	1-5%	Confirmed Asbestos	PF

1 - Concrete block base visible through hatch in CL-1C03

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #1 : CL-1S02 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	500		SF	L0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	200		SF	L0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #1 : CL-1S02 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #1 : CL-1S02 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat	1	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #2 : CL-1029 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **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
Ceiling		Plaster			C	Y		240(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct	Unidentified Duct	Tar, Wrap from unidentified duct		Canvas	B	Y		60			SF	S0028ABC	None Detected	N.D.	None	
Floor		Concrete (poured)		Paint	B	Y										
Mechanical Equipment[1]	Tank	Abated Material			B	Y		1			EA	V0000	[None]		[Abated]	
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping[2]	All	Fibreglass		Plastic	B	Y										
Structure		None Found														
Wall		Drywall and joint compound			B	Y		200(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall		Concrete Block		Paint	B	N										

Including CL-1029A
1 - Encapsulant from previous abatement visible on tank
2 - All pipes are either uninsulated or insulated with plastic jacketing labeled for asbestos-free insulation

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #2 : CL-1029 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	400		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Floor	Concrete (poured)	240		SF	V0006	Concrete floors	Pb: 0.13 %	Lead (High)
Ceiling	Plaster	235	5	SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)
Wall	Drywall and joint compound	375	25	SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)

Including CL-1029A

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #3 : CL-1C03 **Floor: 1** **Room #:** **Area (sqft): 194**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		154			SF	S0005A	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		40			SF	V0000	Non-Asbestos		None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		192			SF	S0002A	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		2			SF	S0003A	None Detected	N.D.	None	
Floor		Mortar, Concrete floor leveling compound			B	N		10(7)			SF	S0007A	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	C	N										
Piping	Sanitary Drain	Not Insulated			C	N										
Piping	Unidentified Pipe	Tar, Tar from straight-run insulation on unidentified pipe			C	N		28			LF	S0006A	None Detected	N.D.	None	
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound, Exterior wall			B	Y		500(7)			SF	S0004A	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Drywall and joint compound	B	N										

Assessment of this area limited to unoccupied space between CL-1029 and CL-1V04
1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #3 : CL-1C03 **Floor: 1** **Room #:** **Area (sqft): 194**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	500		SF	L0003	Drywall walls	Pb: 0.047 %	Lead (Low)

Assessment of this area limited to unoccupied space between CL-1029 and CL-1V04

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #3 : CL-1C03 **Floor: 1** **Room #:** **Area (sqft): 194**
Survey Date: 2025-09-12 **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. 2025

Assessment of this area limited to unoccupied space between CL-1029 and CL-1V04

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #3 : CL-1C03 **Floor: 1** **Room #:** **Area (sqft): 194**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts[1]	3		EA	V0000			No

Assessment of this area limited to unoccupied space between CL-1029 and CL-1V04
1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #4 : CL-2S02 **Floor: 2** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Paint	C	Y		200(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor		Terrazzo			B	Y		180	20		SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		100(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	All	Plaster		Paint	B	Y		500(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #4 : CL-2S02 **Floor: 2** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	450		SF	L0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	200		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #4 : CL-2S02 **Floor: 2** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #5 : CL-2012 **Floor: 2** **Room #:** **Area (sqft): 220**
Survey Date: 2025-09-12 **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
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole abundant fleck			C	Y		40			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		152			SF	S0002B	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", peach			B	Y		60			SF	S0008A	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		8			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		220(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #5 : CL-2012 **Floor: 2** **Room #:** **Area (sqft): 220**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	500		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	450		SF	L0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #5 : CL-2012 **Floor: 2** **Room #:** **Area (sqft): 220**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed
Thermostat[1]	2	EA	V0000	

1 - Electronic thermostats

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #5 : CL-2012 **Floor: 2** **Room #:** **Area (sqft): 220**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts[1]	6		EA	V0000			No

1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #6 : CL-2C03 **Floor: 2** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		720(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			C	N										
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		720			SF	V0002	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound			B	Y		350(7)			SF	S0004B	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Beam	Plaster, Plaster base coat from vertical structural beam			C	N		100(7)			SF	S0009A	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #6 : CL-2C03 **Floor: 2** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	350		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	720		SF	L0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #6 : CL-2C03 **Floor: 2** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #6 : CL-2C03 **Floor: 2** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	8		EA	V0000			No

1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #7 : CL-2016 **Floor: 2** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		143(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		131			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	S0010A	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #7 : CL-2016 **Floor: 2** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	143		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #7 : CL-2016 **Floor: 2** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #7 : CL-2016 **Floor: 2** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #8 : CL-2018 **Floor: 2** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		169(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			B	N										
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		151			SF	S0003B	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		18			SF	S0010B	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	B	N										
Structure		None Found														
Wall		Plaster, Base coat from concealed wall surface			B	N		100(7)			SF	S0009B	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #8 : CL-2018 **Floor: 2** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	169		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #8 : CL-2018 **Floor: 2** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #8 : CL-2018 **Floor: 2** **Room #:** **Area (sqft): 169**

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #9 : CL-2019 **Floor: 2** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		30(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			C	N										
Floor		Terrazzo, Grey			B	Y		30			SF	S0011A	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	B	L										
Structure		None Found														
Wall		Drywall and joint compound			B	Y		100(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Beam	Plaster, Beam			B	Y		20(7)			SF	S0001B	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #9 : CL-2019 **Floor: 2** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	20		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Wall	Drywall and joint compound	100		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	30		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #10 : CL-2020A **Floor: 2** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **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
Ceiling		Plaster			C	Y		600(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		Not Insulated			C	N										
Floor		Terrazzo			B	Y		600			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other		Caulking, From tub surround, white			B	Y		20			LF	S0013A	None Detected	N.D.	None	
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping	Unidentified Pipe	Parging Cement, Parging cement on unidentified pipe elbow			B	L		4(7)			EA	S0012A	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Tar, Tar from straight run of unidentified pipe			B	L		30			LF	S0006B	None Detected	N.D.	None	
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound			B	L		1000(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #10 : CL-2020A **Floor: 2** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	1000		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Plaster	600		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #10 : CL-2020A **Floor: 2** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #10 : CL-2020A **Floor: 2** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	2		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #11 : CL-2023 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		196(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		196			SF	S0010C	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Sink	Not Insulated			B	Y										
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		420(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #11 : CL-2023 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	420		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	140		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	196		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #11 : CL-2023 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	4	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #11 : CL-2023 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	2		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #12 : CL-2026 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		126(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		131			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #12 : CL-2026 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	126		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #12 : CL-2026 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #12 : CL-2026 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #13 : CL-2027 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		196(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		196			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #13 : CL-2027 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	196		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #13 : CL-2027 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #13 : CL-2027 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #14 : CL-2S01 **Floor: 2** **Room #:** **Area (sqft): 300**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Paint	C	Y		300(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor		Terrazzo			B	Y		300			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		200(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	All	Plaster		Paint	B	Y		500(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Including landing on first floor

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #14 : CL-2S01 **Floor: 2** **Room #:** **Area (sqft): 300**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	500		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	300		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Including landing on first floor

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #14 : CL-2S01 **Floor: 2** **Room #:** **Area (sqft): 300**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Thermostat[2]	1	EA	V0000	

Including landing on first floor
1 - Electronic thermostat
2 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #15 : CL-2029 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		196(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		131			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #15 : CL-2029 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	196		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #15 : CL-2029 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #15 : CL-2029 **Floor: 2** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #16 : CL-2028 **Floor: 2** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		112			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #16 : CL-2028 **Floor: 2** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #16 : CL-2028 **Floor: 2** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #16 : CL-2028 **Floor: 2** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #17 : CL-2025 **Floor: 2** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		42(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with thick brown smear			B	Y		24(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor		Mortar, Concrete floor leveling compound			B	L		10(7)			SF	V0007	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Other[1]	Light Fixture	Fibreglass		Foil Face	C	N		1			EA	V0000	Non-Asbestos		None	
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

1 - Incandescent heat shield is fibreglass

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #17 : CL-2025 **Floor: 2** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	42		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #18 : CL-2024 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		168(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		156			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #18 : CL-2024 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	168		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #18 : CL-2024 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #18 : CL-2024 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #19 : CL-2022 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		168(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		156			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #19 : CL-2022 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	168		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #19 : CL-2022 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #19 : CL-2022 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #20 : CL-2021 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		168(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		156			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #20 : CL-2021 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	168		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #20 : CL-2021 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #20 : CL-2021 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #21 : CL-2020 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		168(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		156			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #21 : CL-2020 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	168		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #21 : CL-2020 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #21 : CL-2020 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #22 : CL-2017 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		168(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		156			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #22 : CL-2017 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	168		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #22 : CL-2017 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #22 : CL-2017 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #23 : CL-2015 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		126(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		156			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #23 : CL-2015 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	126		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #23 : CL-2015 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #23 : CL-2015 **Floor: 2** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #24 : CL-2014 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		160(7)		8(4)	SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Ceiling	Debris	Drywall and joint compound			B	Y				15(1)	SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		156			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		12			SF	V0010	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	S0029B	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #24 : CL-2014 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	168		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #24 : CL-2014 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #24 : CL-2014 **Floor: 2** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #25 : CL-3S02 **Floor: 3** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Paint	C	Y		200(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor		Terrazzo, Grey			B	Y		180	20		SF	S0011C	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		100(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	All	Plaster		Paint	B	Y		500(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #25 : CL-3S02 **Floor: 3** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	450		SF	L0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	200		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #25 : CL-3S02 **Floor: 3** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #26 : CL-3000 **Floor: 3** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		352(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", peach			B	Y		6			SF	S0008BC	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown speck			B	Y		14			SF	V0010	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with black specks			B	Y		332			SF	S0014ABC	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		380(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #26 : CL-3000 **Floor: 3** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	380		SF	L0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	450		SF	L0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #26 : CL-3000 **Floor: 3** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	20	EA	V9500	Presumed
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #26 : CL-3000 **Floor: 3** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	10		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #27 : CL-3C01 **Floor: 3** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		720(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			C	N										
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		720			SF	V0002	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound			B	Y		350(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Beam	Plaster, Plaster base coat from vertical structural beam			C	N		100(7)			SF	V0009	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #27 : CL-3C01 **Floor: 3** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	350		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	720		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #27 : CL-3C01 **Floor: 3** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #27 : CL-3C01 **Floor: 3** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	8		EA	V0000			No

1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #28 : CL-3002 **Floor: 3** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		143(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", grey with small brown streaks			B	Y		143			SF	S0015ABC	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #28 : CL-3002 **Floor: 3** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	143		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #28 : CL-3002 **Floor: 3** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #28 : CL-3002 **Floor: 3** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #29 : CL-3004 **Floor: 3** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		169(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			B	N										
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		169			SF	V0002	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	B	N										
Structure		None Found														
Wall		Plaster, Base coat from concealed wall surface			B	N		100(7)			SF	S0009C	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #29 : CL-3004 **Floor: 3** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	L0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	169		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #29 : CL-3004 **Floor: 3** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #29 : CL-3004 **Floor: 3** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #30 : CL-3006 **Floor: 3** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		30(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			C	N										
Floor		Terrazzo, Grey			B	Y		30			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	B	L										
Structure		None Found														
Wall		Drywall and joint compound			B	Y		100(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Beam	Plaster, Beam			B	Y		20(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #30 : CL-3006 **Floor: 3** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	20		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Wall	Drywall and joint compound	100		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	30		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #31 : CL-3007A **Floor: 3** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **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
Ceiling		Plaster, Ceiling			C	Y		600(7)			SF	S0001C	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		Not Insulated			C	N										
Floor		Terrazzo			B	Y		600			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other		Caulking, From tub surround, white			B	Y		20			LF	S0013B	None Detected	N.D.	None	
Piping	Unidentified Pipe	Parging Cement, Parging cement on unidentified pipe elbow			B	L		4(7)		1(3)	EA	S0012B	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Tar, Tar from straight run of unidentified pipe			B	L		30			LF	S0006C	None Detected	N.D.	None	
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound, Behind plaster finish coat around window			B	L		1000(7)			SF	S0004C	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #31 : CL-3007A **Floor: 3** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	1000		SF	L0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Plaster	600		SF	L0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #31 : CL-3007A **Floor: 3** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #31 : CL-3007A **Floor: 3** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	2		EA	V0000			No

1 - Labeled for no PCBs

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #32 : CL-3010 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		112			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #32 : CL-3010 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #32 : CL-3010 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #32 : CL-3010 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #33 : CL-3012 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with long grey streaks			B	Y		112			SF	S0016ABC	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #33 : CL-3012 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #33 : CL-3012 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #33 : CL-3012 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #34 : CL-3014 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		112			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #34 : CL-3014 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #34 : CL-3014 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #34 : CL-3014 **Floor: 3** **Room #:** **Area (sqft): 112**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #35 : CL-3S01 **Floor: 3** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Paint	C	Y		200(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor		Terrazzo			B	Y		180	20		SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		100(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	All	Plaster		Paint	B	Y		500(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #35 : CL-3S01 **Floor: 3** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	450		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	200		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #35 : CL-3S01 **Floor: 3** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #36 : CL-3016 **Floor: 3** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		196(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streak			B	Y		196			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		420(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #36 : CL-3016 **Floor: 3** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	420		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	140		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	196		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #36 : CL-3016 **Floor: 3** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #36 : CL-3016 **Floor: 3** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #37 : CL-3015 **Floor: 3** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		126(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		126			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #37 : CL-3015 **Floor: 3** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	126		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #37 : CL-3015 **Floor: 3** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #37 : CL-3015 **Floor: 3** **Room #:** **Area (sqft): 126**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #38 : CL-3013 **Floor: 3** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		42(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with thick brown smear			B	Y		24(7)			SF	S0017ABC	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor		Mortar, Concrete floor leveling compound			B	L		10(7)			SF	S0007B	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #38 : CL-3013 **Floor: 3** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	42		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #38 : CL-3013 **Floor: 3** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #38 : CL-3013 **Floor: 3** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #39 : CL-3011 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		112			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #39 : CL-3011 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #39 : CL-3011 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #39 : CL-3011 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #40 : CL-3009 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		126(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		126			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #40 : CL-3009 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	126		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #40 : CL-3009 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #40 : CL-3009 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #41 : CL-3008 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		126(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		126			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #41 : CL-3008 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	154		SF	L0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #41 : CL-3008 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #41 : CL-3008 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #42 : CL-3007 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		126(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		126			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #42 : CL-3007 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	126		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #42 : CL-3007 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #42 : CL-3007 **Floor: 3** **Room #:** **Area (sqft): 154**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #43 : CL-3005 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		112			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	S0029C	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #43 : CL-3005 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #43 : CL-3005 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #43 : CL-3005 **Floor: 3** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

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1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #44 : CL-3003 **Floor: 3** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		112			SF	V0002	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #44 : CL-3003 **Floor: 3** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #44 : CL-3003 **Floor: 3** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #44 : CL-3003 **Floor: 3** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #45 : CL-3001 **Floor: 3** **Room #:** **Area (sqft): 180**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		112(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		112			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #45 : CL-3001 **Floor: 3** **Room #:** **Area (sqft): 180**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	112		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #45 : CL-3001 **Floor: 3** **Room #:** **Area (sqft): 180**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #45 : CL-3001 **Floor: 3** **Room #:** **Area (sqft): 180**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #46 : CL-4S02 **Floor: 4** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Paint	C	Y		200(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor		Terrazzo			B	Y		180	20		SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		100(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	All	Plaster		Paint	B	Y		490(7)		10(3)	SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Debris	Plaster			B	Y				4(1)	SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #46 : CL-4S02 **Floor: 4** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	450		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	200		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #46 : CL-4S02 **Floor: 4** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #47 : CL-4000 **Floor: 4** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		342(7)		10(4)	SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick brown streaks			B	Y		14			SF	S0018A	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", grey with small brown streaks			B	Y		332			SF	V0015	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		380(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #47 : CL-4000 **Floor: 4** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	380		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	450		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #47 : CL-4000 **Floor: 4** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	8	EA	V9500	Presumed
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #47 : CL-4000 **Floor: 4** **Room #:** **Area (sqft): 352**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	4		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #48 : CL-4C01 **Floor: 4** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		720(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			C	N										
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		720			SF	S0002C	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound			B	Y		350(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Beam	Plaster, Plaster base coat from vertical structural beam			C	N		100(7)			SF	V0009	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #48 : CL-4C01 **Floor: 4** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	350		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	720		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #48 : CL-4C01 **Floor: 4** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #48 : CL-4C01 **Floor: 4** **Room #:** **Area (sqft): 720**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	8		EA	V0000			No

1 - Labeled electronic ballast

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #49 : CL-4003 **Floor: 4** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		143(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", grey with small brown streaks			B	Y		131			SF	V0015	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick brown streaks			B	Y		12			SF	S0018B	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #49 : CL-4003 **Floor: 4** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	143		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #49 : CL-4003 **Floor: 4** **Room #:** **Area (sqft): 143**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #50 : CL-4005 **Floor: 4** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		169(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			B	N										
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		151			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		18			SF	S0019A	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping	Domestic Water (hot And Cold)	Parging Cement, On pipe elbow	Elbow	Canvas	B	N		3(7)			EA	S0012C	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Domestic Water (hot And Cold)	Tar	Straight		B	N		15			LF	V0006	None Detected	N.D.	None	
Structure		None Found														
Wall		Plaster, Base coat from concealed wall surface			B	N		100(7)			SF	V0009	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #50 : CL-4005 **Floor: 4** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	169		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #50 : CL-4005 **Floor: 4** **Room #:** **Area (sqft): 169**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

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Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #51 : CL-4007 **Floor: 4** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		30(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			C	N										
Floor		Terrazzo, Grey			B	Y		30			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	B	L										
Structure		None Found														
Wall		Drywall and joint compound			B	Y		100(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Beam	Plaster, Beam			B	Y		20(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #51 : CL-4007 **Floor: 4** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	20		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Wall	Drywall and joint compound	100		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	30		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #52 : CL-4008A **Floor: 4** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **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
Ceiling		Plaster			C	Y		600(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		Not Insulated			C	N										
Floor		Terrazzo			B	Y		600			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other		Caulking, From tub surround, white			B	Y		20			LF	S0013C	None Detected	N.D.	None	
Piping	Unidentified Pipe	Parging Cement, Parging cement on unidentified pipe elbow			B	L		4(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Tar, Tar from straight run of unidentified pipe			B	L		30			LF	V0006	None Detected	N.D.	None	
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound, Interior wall			B	L		1000(7)			SF	S0004D	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #52 : CL-4008A **Floor: 4** **Room #:** **Area (sqft): 600**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	1000		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Plaster	600		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #53 : CL-4011 **Floor: 4** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		196(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor[1]		Vinyl Sheet Flooring			B	Y		196			SF	V0000	Non-Asbestos		None	
Mechanical Equipment		None Found														
Other	Sink	Mastic, Black			B	Y		1(7)			EA	S0020A	Chrysotile	1-5%	Confirmed Asbestos	NF
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

1 - Canvas backing

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #53 : CL-4011 **Floor: 4** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	196		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #53 : CL-4011 **Floor: 4** **Room #:** **Area (sqft): 196**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #54 : CL-4013 **Floor: 4** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		140(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		151			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		12			SF	S0019B	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #54 : CL-4013 **Floor: 4** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	140		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #54 : CL-4013 **Floor: 4** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #55 : CL-4015 **Floor: 4** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		168(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		151			SF	S0003C	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		18			SF	S0019C	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #55 : CL-4015 **Floor: 4** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	168		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #55 : CL-4015 **Floor: 4** **Room #:** **Area (sqft): 168**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #56 : CL-4S01 **Floor: 4** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Plaster, Ceiling		Paint	C	Y		200(7)			SF	S0001D	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor		Terrazzo			B	Y		180	20		SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		100(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	All	Plaster		Paint	B	Y		500(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #56 : CL-4S01 **Floor: 4** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	450		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	200		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #56 : CL-4S01 **Floor: 4** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #57 : CL-4017 **Floor: 4** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		140(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", beige with small grey streaks			B	Y		132(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		140(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #57 : CL-4017 **Floor: 4** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	140		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	420		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	140		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #57 : CL-4017 **Floor: 4** **Room #:** **Area (sqft): 140**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #58 : CL-4016 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		182(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick brown streaks			B	Y		18			SF	S0018C	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", grey with small brown streaks			B	Y		164			SF	V0015	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		380(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #58 : CL-4016 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	380		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	450		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #58 : CL-4016 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	2	EA	V0000	
Thermostat[2]	1	EA	V0000	

1 - LED fixture
2 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #59 : CL-4014 **Floor: 4** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		42(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with thick brown smear			B	Y		24(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor		Mortar, Concrete floor leveling compound			B	L		10(7)			SF	S0007C	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #59 : CL-4014 **Floor: 4** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	42		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #59 : CL-4014 **Floor: 4** **Room #:** **Area (sqft): 42**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #60 : CL-4012 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		182(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		164			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		18			SF	V0019	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #60 : CL-4012 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	182		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #60 : CL-4012 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #61 : CL-4010 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		182(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		164			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		18			SF	V0019	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #61 : CL-4010 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	182		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #61 : CL-4010 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #62 : CL-4009 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		182(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		164			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		18			SF	V0019	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #62 : CL-4009 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	182		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #62 : CL-4009 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #63 : CL-4008 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		182(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		164			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		18			SF	V0019	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #63 : CL-4008 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	182		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #63 : CL-4008 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #64 : CL-4006 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		182(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		164			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		18			SF	V0019	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #64 : CL-4006 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	182		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #64 : CL-4006 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #65 : CL-4004 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		182(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", grey with small brown streaks			B	Y		170			SF	V0015	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick brown streaks			B	Y		12			SF	V0018	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #65 : CL-4004 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	240		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	182		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #65 : CL-4004 **Floor: 4** **Room #:** **Area (sqft): 182**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #66 : CL-4002 **Floor: 4** **Room #:** **Area (sqft): 135**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		135(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		151			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		12			SF	V0019	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #66 : CL-4002 **Floor: 4** **Room #:** **Area (sqft): 135**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	135		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #66 : CL-4002 **Floor: 4** **Room #:** **Area (sqft): 135**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #67 : CL-4001 **Floor: 4** **Room #:** **Area (sqft): 135**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		135(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		151			SF	V0003	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" x 12", cream with thick black streaks			B	Y		12			SF	V0019	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Paint	B	N										
Wall	Interior	Drywall and joint compound			B	Y		390(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #67 : CL-4001 **Floor: 4** **Room #:** **Area (sqft): 135**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	390		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	135		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #67 : CL-4001 **Floor: 4** **Room #:** **Area (sqft): 135**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture[2]	2	EA	V0000	

1 - Electronic thermostat
2 - LED fixture

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #68 : CL-1V04 **Floor: 1** **Room #:** **Area (sqft): 224**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Texture Coat	C	N		224(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Ceiling[1]		Texture Coat, Sprayed			C	Y		224(7)			SF	S0022AB	Chrysotile	5-10%	Confirmed Asbestos	F
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic			B	Y		174(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			B	Y		50			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall		Plaster, Wall		Texture Coat	B	Y		200(7)			SF	S0001E	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Exterior	Texture Coat, Exterior wall			B	Y		200			SF	S0021AB	None Detected	N.D.	None	

1 - Texture is applied directly to plaster base coat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #68 : CL-1V04 **Floor: 1** **Room #:** **Area (sqft): 224**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	200		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Concrete (poured)	224		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #68 : CL-1V04 **Floor: 1** **Room #:** **Area (sqft): 224**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat	1	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #69 : CL-1C02 **Floor: 1** **Room #:** **Area (sqft): 400**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		328			SF	S0005B	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		72			SF	V0000	Non-Asbestos		None	
Duct		Not Insulated			C	N										
Floor		Vinyl Floor Tile and Mastic			B	Y		382(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12" x 12", brown			B	Y		18(7)			SF	S0023ABC	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	C	N										
Piping	Domestic Water (hot And Cold)	Parging Cement	Elbow		C	N		4(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Tar			C	N		40			LF	V0006	None Detected	N.D.	None	
Structure	Beam Deck Joist	Metal			C	N										
Wall		Concrete Block		Paint	B	N										
Wall	Base	Rubber			B	Y										

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #69 : CL-1C02 **Floor: 1** **Room #:** **Area (sqft): 400**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1000		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #69 : CL-1C02 **Floor: 1** **Room #:** **Area (sqft): 400**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #69 : CL-1C02 **Floor: 1** **Room #:** **Area (sqft): 400**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	4	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #69 : CL-1C02 **Floor: 1** **Room #:** **Area (sqft): 400**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts[1]	2		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #70 : CL-1025 **Floor: 1** **Room #:** **Area (sqft): 40**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound, Ceiling			C	Y		36(7)		4(4)	SF	S0004E	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Concrete (poured)		Paint	B	Y										
Mechanical Equipment		None Found														
Piping		None Found														
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #70 : CL-1025 **Floor: 1** **Room #:** **Area (sqft): 40**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	300		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Floor	Concrete (poured)	40		SF	L0006	Concrete floors	Pb: 0.13 %	Lead (High)

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #71 : CL-1025A **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		70(7)		10(4)	SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct[1]	Supply Air	Unidentified mechanical insulation		Canvas	B	Y		100(7)			SF	V9000	Confirmed Asbestos		Confirmed Asbestos	F
Floor		Concrete (poured)		Paint	B	Y										
Mechanical Equipment	Heating Ventilating Air Conditioning Unit	Not Insulated			B	Y										
Piping	Domestic Water (hot And Cold)	Fibreglass	Straight	Canvas	B	Y										
Piping	Domestic Water (hot And Cold)	Parging Cement	Elbow		B	Y		1(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

1 - Supply line is insulated and labeled as asbestos insulation

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #71 : CL-1025A **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	300		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Floor	Concrete (poured)	80		SF	L0006	Concrete floors	Pb: 0.13 %	Lead (High)

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #72 : CL-1026 **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		150(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor		Concrete (poured)		Paint	B	Y										
Mechanical Equipment[1]	Tank	Abated Material			B	Y		1			EA	V0000	[None]		[Abated]	
Piping[2]	All	Fibreglass		Plastic												
Piping	Unidentified Pipe	Gasket, Gasket from red pipe			B	Y		3			EA	S0024ABC	None Detected	N.D.	None	
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

1 - Encapsulant from previous abatement visible on tank
2 - All pipes are either uninsulated or insulated with plastic jacketing labeled for asbestos-free insulation

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #72 : CL-1026 **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	500		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Floor	Concrete (poured)	150		SF	V0006	Concrete floors	Pb: 0.13 %	Lead (High)

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #73 : CL-1024 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound, Ceiling			C	Y		80(7)			SF	S0004F	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			B	Y										
Floor		Terrazzo, Grey			B	Y		80			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping		Fibreglass	Straight	Canvas	B	L										
Piping[1]		Parging Cement	Elbow	Canvas	B	L		2(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Piping		Tar			B	N		10			LF	V0006	None Detected	N.D.	None	
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

1 - Present in wall cavity

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #73 : CL-1024 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	300		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	80		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #73 : CL-1024 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #74 : CL-1023 **Floor: 1** **Room #:** **Area (sqft): 800**
Survey Date: 2025-09-12 **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
Ceiling		Plaster, Ceiling			C	Y		790(7)		10(4)	SF	S0001F	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct[1]	Supply Air	Unidentified mechanical insulation		Canvas	B	Y		100(7)			SF	V9000	Confirmed Asbestos		Confirmed Asbestos	F
Floor		Concrete (poured)		Paint	B	Y										
Mechanical Equipment		None Found														
Piping		None Found														
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

1 - Supply line is insulated and labeled as asbestos insulation

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #74 : CL-1023 **Floor: 1** **Room #:** **Area (sqft): 800**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	500		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Floor	Concrete (poured)	800		SF	V0006	Concrete floors	Pb: 0.13 %	Lead (High)
Ceiling	Drywall and joint compound	800		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #74 : CL-1023 **Floor: 1** **Room #:** **Area (sqft): 800**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	65	EA	V9500	Presumed
Light Fixture	16	EA	V9500	Presumed

1 - Stored fluorescent lamps

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #74 : CL-1023 **Floor: 1** **Room #:** **Area (sqft): 800**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	8		EA	V9500			Presumed

1 - Label does not indicate no PCBs or electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #75 : CL-1022A **Floor: 1** **Room #:** **Area (sqft): 100**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound, Ceiling			C	Y		95(7)		5(4)	SF	S0004G	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Terrazzo, Grey			B	Y		100			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping		Fibreglass	Straight	Canvas	B	L										
Piping[1]		Parging Cement	Elbow	Canvas	B	L		3(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Piping		Tar			B	N		10			LF	V0006	None Detected	N.D.	None	
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

1 - Present in wall cavity

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #75 : CL-1022A **Floor: 1** **Room #:** **Area (sqft): 100**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	300		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	95		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #75 : CL-1022A **Floor: 1** **Room #:** **Area (sqft): 100**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #76 : CL-1022 **Floor: 1** **Room #:** **Area (sqft): 60**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		60			SF	S0005C	None Detected	N.D.	None	
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic			B	Y		60(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		None Found														
Structure	Beam Deck Joist	Metal			C	N										
Wall		Concrete Block		Paint	B	N										

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #76 : CL-1022 **Floor: 1** **Room #:** **Area (sqft): 60**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1000		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #77 : CL-1V03 Lobby **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **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
Ceiling		Plaster, Ceiling		Paint	C	Y		150(7)			SF	S0001G	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor[1]		Vinyl Sheet Flooring			B	Y						V0000	Non-Asbestos		None	
Mechanical Equipment		None Found														
Piping		None Found														
Structure		None Found														
Wall		Plaster			B	Y		100(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall		Concrete Block		Paint	B	N										
Wall	Base	Rubber			B	Y										

1 - Burlap backing

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #77 : CL-1V03 Lobby **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Plaster	150		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #77 : CL-1V03 Lobby **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #78 : CL-1021 **Floor: 1** **Room #:** **Area (sqft): 220**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound, Ceiling			C	Y		220(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			B	Y										
Floor[1]		Concrete (poured)		Paint	B	Y										
Floor		Vinyl Floor Tile and Mastic			B	Y		220(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		None Found														
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

1 - Under stairs

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #78 : CL-1021 **Floor: 1** **Room #:** **Area (sqft): 220**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	300		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Ceiling	Drywall and joint compound	220		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No
Floor[1]	Concrete (poured)	30		SF	V0006	Concrete floors	Pb: 0.13 %	Lead (High)

1 - Under stairs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #79 : CL-1S03 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **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
Ceiling		Plaster, Ceiling		Paint	C	Y		150(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		None Found														
Floor[1]		Vinyl Sheet Flooring			B	Y						V0000	Non-Asbestos		None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		250(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Exterior	Plaster			B	Y		190(7)	10(7)		SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Interior	Concrete Block		Paint	B	N										

1 - Burlap backing

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #79 : CL-1S03 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	200		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Plaster	150		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #80 : CL-2030 **Floor: 2** **Room #:** **Area (sqft): 2300**
Survey Date: 2025-09-12 **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
Ceiling[1]		Ceiling Tiles (lay-in)			D	Y						V0000	Non-Asbestos		None	
Duct[2]		Tar			D	L		30(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor[3]		Vinyl Sheet Flooring			B	Y						V0000	Non-Asbestos		None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		200(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure	Beam Deck Joist	Metal			C	L										
Wall		Concrete Block		Paint	B	N										

1 - No access to ceiling tiles due to height. 2' x 2' tiles plus legible date stamps on intact sections of fallen ceiling tiles indicate newer application in this location
2 - Not accessible due to height
3 - Burlap backing

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #80 : CL-2030 **Floor: 2** **Room #:** **Area (sqft): 2300**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1200		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #80 : CL-2030 **Floor: 2** **Room #:** **Area (sqft): 2300**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	48	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #80 : CL-2030 **Floor: 2** **Room #:** **Area (sqft): 2300**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	24		EA	V9500			Presumed

1 - Label does not indicate no PCBs or electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #81 : CL-2030A **Floor: 2** **Room #:** **Area (sqft): 40**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		40(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor[1]		Vinyl Sheet Flooring			B	Y						V0000	Non-Asbestos		None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from large stairwell window			B	Y		60(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Exterior	Plaster			B	Y		110(7)		20(3)	SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF

1 - Burlap backing

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #81 : CL-2030A **Floor: 2** **Room #:** **Area (sqft): 40**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	110	20	SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Drywall and joint compound	40		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #82 : CL-2030B **Floor: 2** **Room #:** **Area (sqft): 50**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in)			C	Y						V0000	Non-Asbestos		None	
Duct		None Found														
Floor[1]		Vinyl Sheet Flooring			B	Y						V0000	Non-Asbestos		None	
Mechanical Equipment		None Found														
Piping		Not Insulated			B	L										
Structure	Beam Deck Joist	Metal			C	L										
Wall		Concrete Block		Paint	B	N										

1 - Burlap backing

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #82 : CL-2030B **Floor: 2** **Room #:** **Area (sqft): 50**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	150		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #82 : CL-2030B **Floor: 2** **Room #:** **Area (sqft): 50**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat	1	EA	V9000	Yes
Light Fixture	4	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #82 : CL-2030B **Floor: 2** **Room #:** **Area (sqft): 50**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	2		EA	V9500			Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #83 : CL-1V03 **Floor: 1** **Room #:** **Area (sqft): 224**
Survey Date: 2025-09-12 **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
Ceiling		Plaster		Texture Coat	C	N		224(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Ceiling[1]		Texture Coat, Sprayed			C	Y		224(7)			SF	S0022C	Chrysotile	5-10%	Confirmed Asbestos	F
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic			B	Y		112(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12" x 12", tan with brown wave			B	Y		112			SF	S0025ABC	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall		Plaster, Wall		Texture Coat	B	Y		200(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Exterior	Texture Coat, Exterior wall			B	Y		200			SF	S0021C	None Detected	N.D.	None	

1 - Texture is applied directly to plaster base coat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #83 : CL-1V03 **Floor: 1** **Room #:** **Area (sqft): 224**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	200		SF	V0001	Plaster walls	Pb: 0.013 %	Lead (Low)
Ceiling	Concrete (poured)	224		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #83 : CL-1V03 **Floor: 1** **Room #:** **Area (sqft): 224**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat	1	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #84 : CL-1V01 **Floor: 1** **Room #:** **Area (sqft): 100**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		100(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Terrazzo, Grey			B	Y		180	20		SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping[1]	Unidentified Pipe	Parging Cement, Parging cement on pipe elbow	Elbow		C	N		2(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Tar, Tar from straight-run insulation on unidentified pipe			C	N		10			LF	V0006	None Detected	N.D.	None	
Structure		None Found														
Wall		Drywall and joint compound			B	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall		Concrete Block		Paint	B	N										

1 - Visible from ceiling space of CL-1C01

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #84 : CL-1V01 **Floor: 1** **Room #:** **Area (sqft): 100**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	240		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	100		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #84 : CL-1V01 **Floor: 1** **Room #:** **Area (sqft): 100**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat	1	EA	V9000	Yes

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #85 : CL-1005 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		100(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		Not Insulated			C	L										
Floor		Carpet			B	Y		80			SF					
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #85 : CL-1005 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Ceiling	Drywall and joint compound	100		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No
Wall	Masonry	130		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #85 : CL-1005 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat[1]	1	EA	V0000	
Light Fixture	2	EA	V9500	Presumed

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #85 : CL-1005 **Floor: 1** **Room #:** **Area (sqft): 80**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #86 : CL-1005A **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			C	Y		240(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct[1]	Supply Air	Unidentified mechanical insulation		Canvas	B	Y		100(7)			SF	V9000	Confirmed Asbestos		Confirmed Asbestos	F
Floor		Concrete (poured)		Paint	B	Y										
Mechanical Equipment	Heating Ventilating Air Conditioning Unit	Not Insulated			B	Y										
Piping		None Found														
Structure		None Found														
Wall		Concrete Block		Paint	B	N										

1 - Supply line is insulated and labeled as asbestos insulation

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #86 : CL-1005A **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	500		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)
Floor	Concrete (poured)	240		SF	V0006	Concrete floors	Pb: 0.13 %	Lead (High)

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #87 : CL-1006B **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **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
Ceiling[1]		Ceiling Tiles (lay-in)			D	Y		221			SF	V0000	Non-Asbestos		None	
Ceiling		Drywall and joint compound			C	Y		221(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", pink with small white streaks			B	Y		221			SF	S0026ABC	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			B	Y		221(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall		Drywall and joint compound		Paint	B	Y		800(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

1 - Could not access tiles due to height. Tiles are obviously new

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #87 : CL-1006B **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	800		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	221		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #87 : CL-1006B **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed
Thermostat	1	EA	V9000	Yes

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #87 : CL-1006B **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	8		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #88 : CL-1006A **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **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
Ceiling[1]		Ceiling Tiles (lay-in)			D	Y		442			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic			B	Y		422(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Floor[2]		Vinyl Floor Tile and Mastic			B	L		20			SF	V0014	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall		Drywall and joint compound		Paint	B	Y		800(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Exterior	Concrete Block		Paint	B	Y										

1 - Could not access tiles due to height. Tiles are obviously new
2 - Under carpet tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #88 : CL-1006A **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	800		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	150		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #88 : CL-1006A **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed
Thermostat	1	EA	V9000	Yes

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #88 : CL-1006A **Floor: 1** **Room #:** **Area (sqft): 442**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	8		EA	V0000			No

1 - Labeled for no PCBs

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Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #89 : CL-1007 **Floor: 1** **Room #:** **Area (sqft): 225**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound		Paint	C	Y		225(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic, 12" x 12", white with small grey streaks			B	Y		225			SF	V0003	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Sink	Mastic, Sink mastic			B	Y		1(7)			EA	S0020BC	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure		None Found														
Wall	Base	Rubber			B	Y										
Wall	Interior	Drywall and joint compound			B	Y		500(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #89 : CL-1007 **Floor: 1** **Room #:** **Area (sqft): 225**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	500		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	225		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #89 : CL-1007 **Floor: 1** **Room #:** **Area (sqft): 225**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #89 : CL-1007 **Floor: 1** **Room #:** **Area (sqft): 225**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	2		EA	V0000			No

1 - Labeled for no PCBs

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #90 : CL-1007A **Floor: 1** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			B	Y		30(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Vinyl Floor Tile and Mastic			B	Y		30(7)			SF	V0017	Chrysotile	1-5%	Confirmed Asbestos	NF
Mechanical Equipment		None Found														
Piping		None Found														
Structure		None Found														
Wall		Drywall and joint compound		Paint	B	Y		120(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber			B	Y										

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #90 : CL-1007A **Floor: 1** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	120		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	30		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #90 : CL-1007A **Floor: 1** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

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Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #91 : CL-1008 **Floor: 1** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **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
Ceiling		Drywall and joint compound			B	Y		30(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Duct		None Found														
Floor		Terrazzo			B	Y		30			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping		Not Insulated			B	Y										
Structure		None Found														
Wall		Drywall and joint compound		Paint	B	Y		120(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #91 : CL-1008 **Floor: 1** **Room #:** **Area (sqft): 30**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	120		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Drywall and joint compound	30		SF	V0005	Drywall ceilings	Pb: 0.0051 %	No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #92 : CL-1000 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		184			SF	V0005	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		16			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Concrete (poured)		Carpet	B	N										
Floor		Carpet			B	Y										
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound, Exterior wall			B	Y		500(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block		Drywall and joint compound	B	N										

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #92 : CL-1000 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	500		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	300		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #92 : CL-1000 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #92 : CL-1000 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts[1]	3		EA	V0000			No

1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #93 : CL-1001 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		232			SF	V0005	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		8			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Concrete (poured)		Carpet	B	N										
Floor		Carpet			B	Y										
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound, Exterior wall			B	Y		500(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block			B	N										

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #93 : CL-1001 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	500		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	200		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #93 : CL-1001 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	8	EA	V9500	Presumed
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #93 : CL-1001 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	4		EA	V0000			No

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1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #94 : CL-1002 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		232			SF	V0005	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		8			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Concrete (poured)		Carpet	B	N										
Floor		Carpet			B	Y										
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound, Exterior wall			B	Y		500(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block			B	N										

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #94 : CL-1002 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	500		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	200		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #94 : CL-1002 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	8	EA	V9500	Presumed
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #94 : CL-1002 **Floor: 1** **Room #:** **Area (sqft): 240**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	4		EA	V0000			No

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1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #95 : CL-1003 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		192			SF	V0005	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		8			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Concrete (poured)		Carpet	B	N										
Floor		Carpet			B	Y										
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		None Found														
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound, Exterior wall			B	Y		500(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														
Wall	Exterior	Concrete Block			B	N										

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #95 : CL-1003 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	500		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	175		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #95 : CL-1003 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	8	EA	V9500	Presumed
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #95 : CL-1003 **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	4		EA	V0000			No

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #96 : CL-1003A **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **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
Ceiling		Plaster			C	Y		150(7)			SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		Not Insulated			C	N										
Floor		Terrazzo			B	Y		150			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other	Window	Caulking, Interior caulking from office window			B	Y		30(7)			LF	V0029	Chrysotile	1-5%	Confirmed Asbestos	NF
Piping		Not Insulated			B	Y										
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound			B	L		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #96 : CL-1003A **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Plaster	150		SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #96 : CL-1003A **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #96 : CL-1003A **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #97 : CL-1004 **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **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
Ceiling		Plaster			C	Y		140(7)		10(4)	SF	V0001	Chrysotile	1-5%	Confirmed Asbestos	PF
Duct		Not Insulated			C	N										
Duct		Not Insulated			C	L										
Floor		Terrazzo			B	Y		150			SF	V0011	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	C	N										
Piping	Unidentified Pipe	Parging Cement, Parging cement on pipe elbow	Elbow		C	N		1(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Tar, Tar from straight-run insulation on unidentified pipe			C	N		28			LF	V0006	None Detected	N.D.	None	
Structure	Beam Deck Joist	Metal		Paint	C	N										
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall		Drywall and joint compound			B	L		400(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #97 : CL-1004 **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	400		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Ceiling	Plaster	130	20	SF	V0002	Plaster ceilings	Pb: 0.073 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #97 : CL-1004 **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #97 : CL-1004 **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts[1]	1		EA	V0000			No

1 - Labeled for no PCBs

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #98 : CL-1C01 **Floor: 1** **Room #:** **Area (sqft): 732**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		572			SF	V0005	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		160			SF	V0000	Non-Asbestos		None	
Duct		Fibreglass		Foil Face	C	N										
Floor		Vinyl Floor Tile and Mastic, 12" x 12", blue with white specks			B	Y		732			SF	S0027ABC	None Detected	N.D.	None	
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas	C	N										
Piping	Sanitary Drain	Not Insulated			C	N										
Piping	Unidentified Pipe	Parging Cement, Parging cement on pipe elbow	Elbow		C	N		1(7)			EA	V0012	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Tar, Tar from straight-run insulation on unidentified pipe			C	N		70			LF	V0006	None Detected	N.D.	None	
Structure	Beam Deck Joist	Metal		Paint	C	N										
Wall	Base	Rubber														
Wall	Beam	Plaster, Plaster base coat from vertical structural beam			C	N		100(7)			SF	V0009	Chrysotile	1-5%	Confirmed Asbestos	PF
Wall	Exterior	Concrete Block			B	Y										
Wall	Interior	Drywall and joint compound			B	Y		1200(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #98 : CL-1C01 **Floor: 1** **Room #:** **Area (sqft): 732**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	1200		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)
Wall	Masonry	120		SF	V0004	Concrete block walls	Pb: 0.1 %	Lead (High)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #98 : CL-1C01 **Floor: 1** **Room #:** **Area (sqft): 732**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	8	EA	V9500	Presumed
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #98 : CL-1C01 **Floor: 1** **Room #:** **Area (sqft): 732**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

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PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts[1]	4		EA	V0000			No

1 - Labeled electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #99 : CL-1V02 **Floor: 1** **Room #:** **Area (sqft): 150**
Survey Date: 2025-09-12 **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
Ceiling		Texture Coat			D	Y		150(7)				V0022	Chrysotile	5-10%	Confirmed Asbestos	F
Floor[1]		Ceramic Tiles			D	Y		150(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Texture Coat			D	Y		300			SF	V0021	None Detected	N.D.	None	

Not included in scope of this assessment
1 - Not sampled because area is in active use - presume ACM

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #100 : CL-1009 **Floor: 1** **Room #:** **Area (sqft): 364**
Survey Date: 2025-09-12 **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
Ceiling		Ceiling Tiles (lay-in), 2' x 4', pinhole fissure			C	Y		8			SF	V0005	None Detected	N.D.	None	
Ceiling[1]		Ceiling Tiles (lay-in), 2' x 4', pinhole fleck			C	Y		356			SF	V0000	Non-Asbestos		None	
Duct		Not Insulated			C	N										
Floor		Concrete (poured)		Carpet	B	N										
Floor		Carpet			B	Y										
Mechanical Equipment		None Found														
Piping		None Found														
Structure	Beam Deck Joist	Metal			C	N										
Wall		Drywall and joint compound		Paint	B	Y		700(7)			SF	V0004	Chrysotile	1-5%	Confirmed Asbestos	NF
Wall	Base	Rubber														

1 - Date stamp visible on back of tile - manufactured after cut-off date for use of asbestos in ceiling tiles

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #100 : CL-1009 **Floor: 1** **Room #:** **Area (sqft): 364**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	700		SF	V0003	Drywall walls	Pb: 0.047 %	Lead (Low)

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #100 : CL-1009 **Floor: 1** **Room #:** **Area (sqft): 364**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	20	EA	V9500	Presumed

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Thermostat[1]	1	EA	V0000	

1 - Electronic thermostat

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #100 : CL-1009 **Floor: 1** **Room #:** **Area (sqft): 364**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts[1]	10		EA	V9500			Presumed

1 - Label does not indicate no PCBs or electronic ballast

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #101 : Exterior - North Block **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2025-09-12 **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		Mastic, From roof access hatch			C	Y		10(7)			LF	S0030B	Chrysotile	5-10%	Confirmed Asbestos	NF
Other	Roof	Roofing material, North block roof			C	Y		1000			SF	S0031B	Not Analyzed		None	
Other	Window	Caulking, Exterior caulking from large window			A	Y		1000			LF	S0034A	None Detected	N.D.	None	
Other	Window	Caulking, Exterior caulking from large window frame			A	Y		800			LF	S0035AB	None Detected	N.D.	None	

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #101 : Exterior - North Block **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2025-09-12 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking[1]	300		LF	P0001	Exterior caulking from brick and concrete joi	<0.1 mg/kg	No

1 - Visually similar caulking present around all window frames on exterior

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #102 : Exterior - Middle Block **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2025-09-12 **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		Mastic, From metal roof flashing			C	Y		10(7)			LF	S0030C	Chrysotile	5-10%	Confirmed Asbestos	NF
Other	Roof	Caulking, From roof flashing, grey			C	Y		30			LF	S0033ABC	None Detected	N.D.	None	
Other[1]	Roof	Roofing material			D	Y		2300			SF	V0032	None Detected	N.D.	None	
Other[2]	Roof	Roofing material, 1V03 roof			C	Y		200			SF	S0032AB	None Detected	N.D.	None	
Other	Window	Caulking, Exterior caulking from vestibule window			A	Y		250			LF	S0034BC	None Detected	N.D.	None	
Other	Window	Caulking, Exterior caulking from vestibule window frame			A	Y		400			LF	S0035C	None Detected	N.D.	None	

1 - Access ladder condemned - no access to roof
2 - Newer asphalt roof installed on top of original pitch roof

Client: Memorial University of Newfoundland **Site: 208 Elizabeth Ave, St. John's, NL** **Building Name: Coughlan College**
Location: #103 : Exterior - South Block **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2025-09-12 **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
Ceiling	Soffit	Texture Coat, Texture coat on concrete overhang from south entrance			C	Y		50(7)			SF	S0037ABC	Chrysotile	1-5%	Confirmed Asbestos	F
Other		Mastic, From vent stack			C	Y		10(7)			LF	S0030A	Chrysotile	5-10%	Confirmed Asbestos	NF
Other	Roof	Roofing material, South block roof			C	Y		2000			SF	S0031A	Not Analyzed		None	
Structure	Column	Texture Coat, Texture finish on concrete pillars from south entrance			A	Y		200			SF	S0036ABC	None Detected	N.D.	None	

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

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.
L	The material is partially visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceiling system or access panels) to view completely and access. Includes partially viewed access points to crawlspaces, attic spaces, etc. without entering. Observations are 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 a hazardous material, either by analytical results or by visible identification.
	The material is presumed to be a hazardous material, based on visual appearance, and was not sampled due to limited access or the non-destructive nature of 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. 2025

APPENDIX VII
Photographs

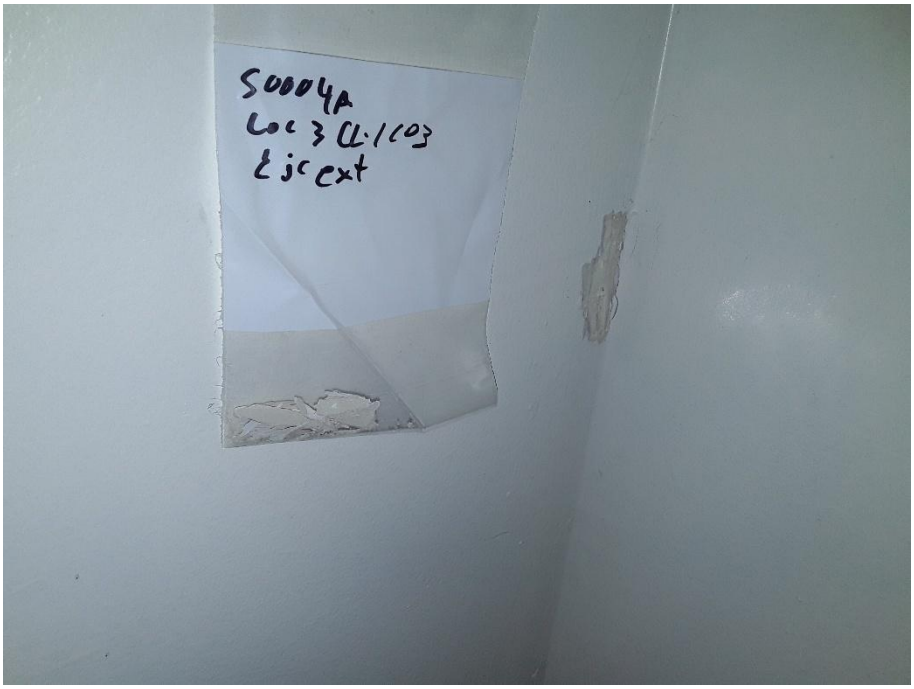


View of asbestos-containing plaster in poor condition and associated debris in CL-1S02 (Location 1).

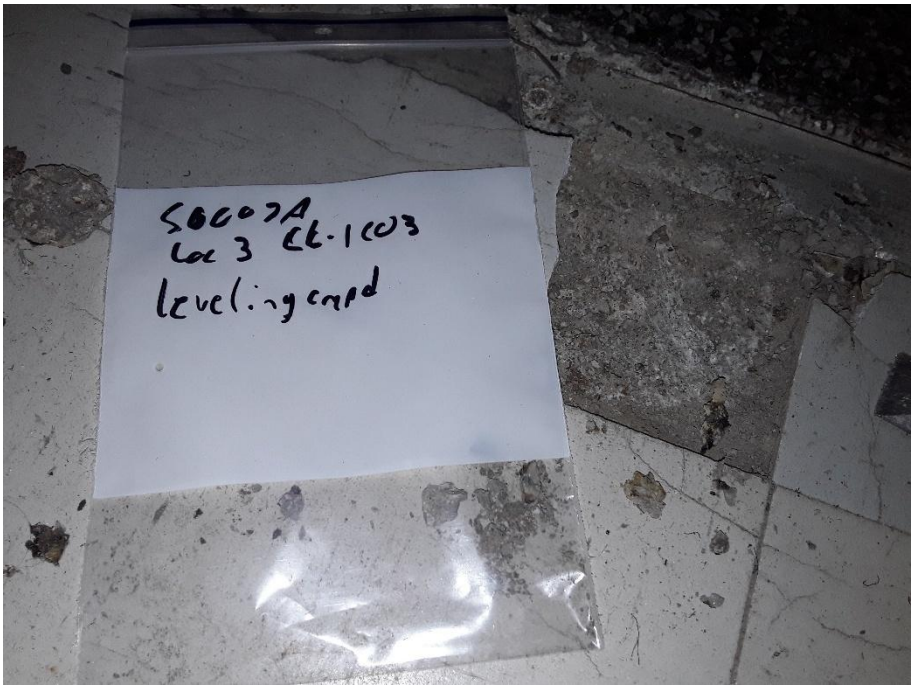


View of asbestos-containing interior caulking around large window in CL-1S02 (Location 1).

© 2025 Pinchin Ltd.



View of asbestos-containing drywall sample in CL-1C03 (Location 3).

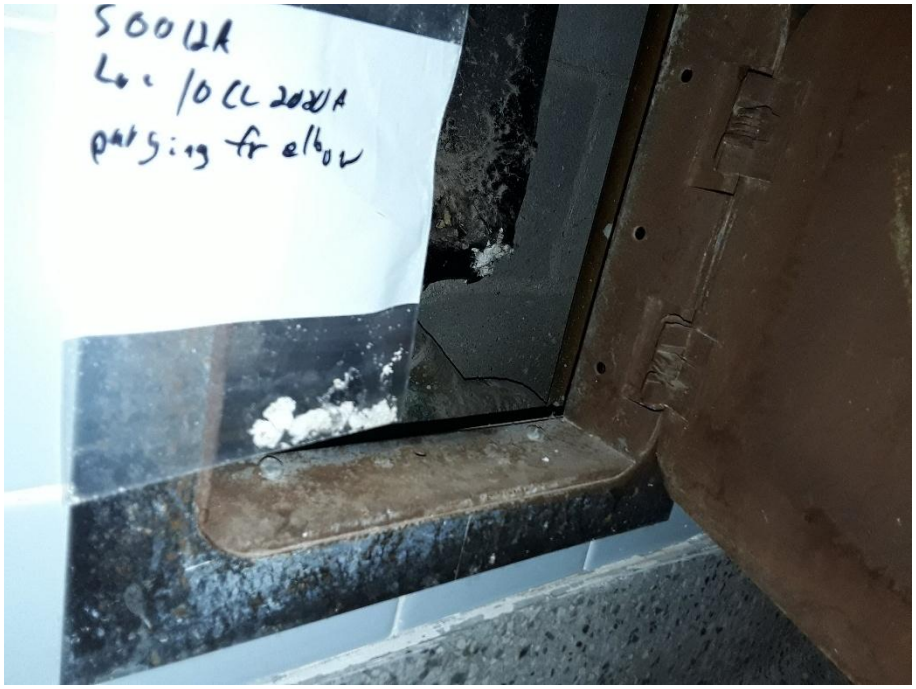


View of asbestos-containing concrete floor levelling compound in CL-1C03 (Location 3).

© 2025 Pinchin Ltd.

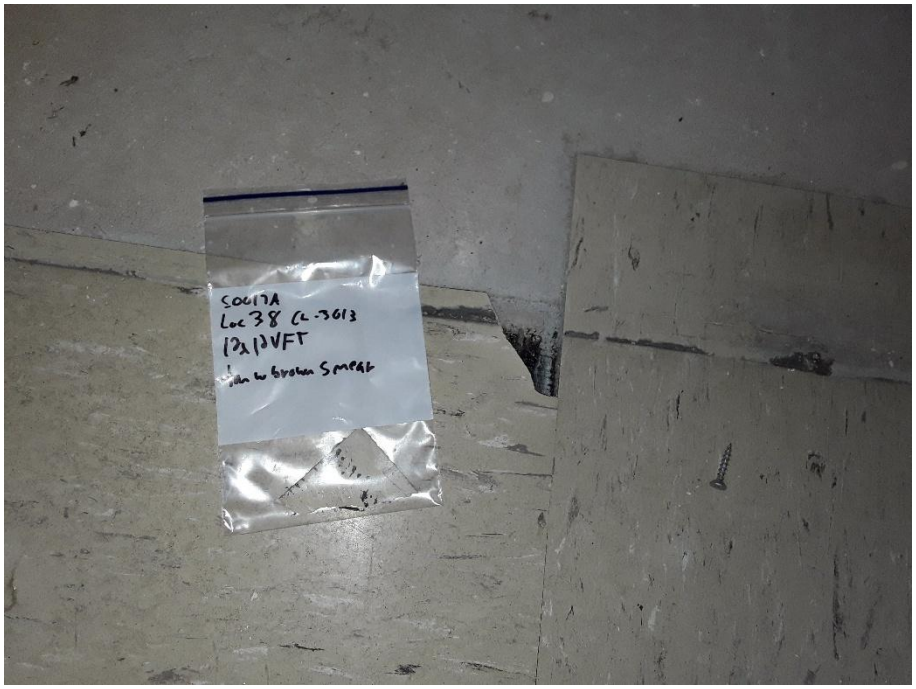


View of concealed asbestos-containing plaster base coat in CL-2C03 (Location 6).



View of asbestos-containing parging insulation on pipe elbow in CL-2020A (Location 10).

© 2025 Pinchin Ltd.



View of asbestos-containing 12” x 12” tan with thick brown smear vinyl floor tile in CL-3013 (Location 38).



View of asbestos-containing 12” x 12” brown vinyl floor tile in CL-1C02 (Location 69).

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View of asbestos-containing sink mastic in CL-4011 (Location 53).

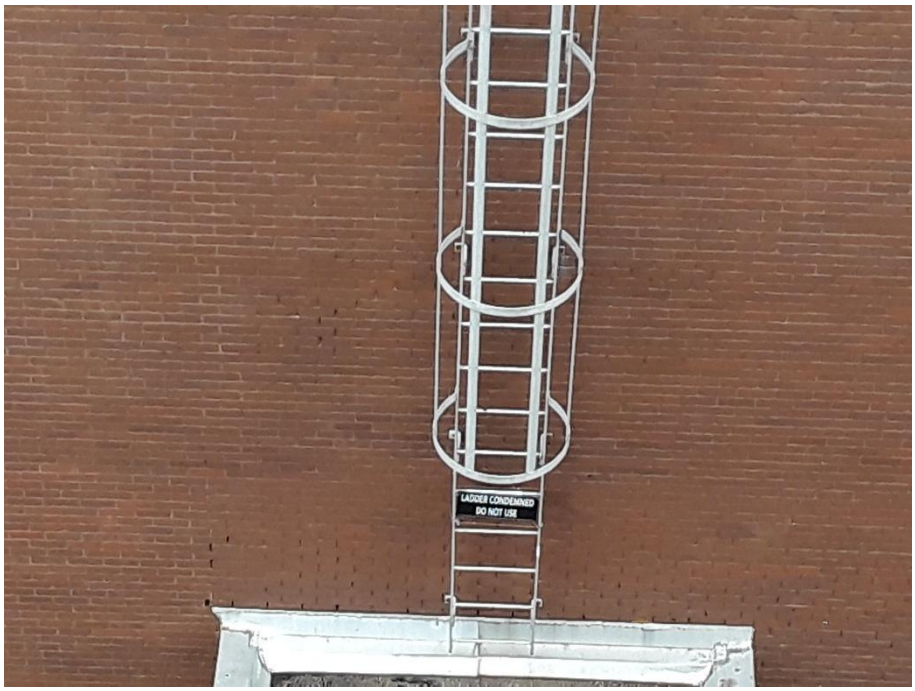


View of asbestos-containing textured ceiling finish in CL-1V04 (Location 68).

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View of texture finish on asbestos-containing plaster base coat on the exterior of the south block (Location 103).



View of condemned ladder preventing access to rooftop of the middle block (Location 102).

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View of visual similarity of middle block roof to vestibule roof.

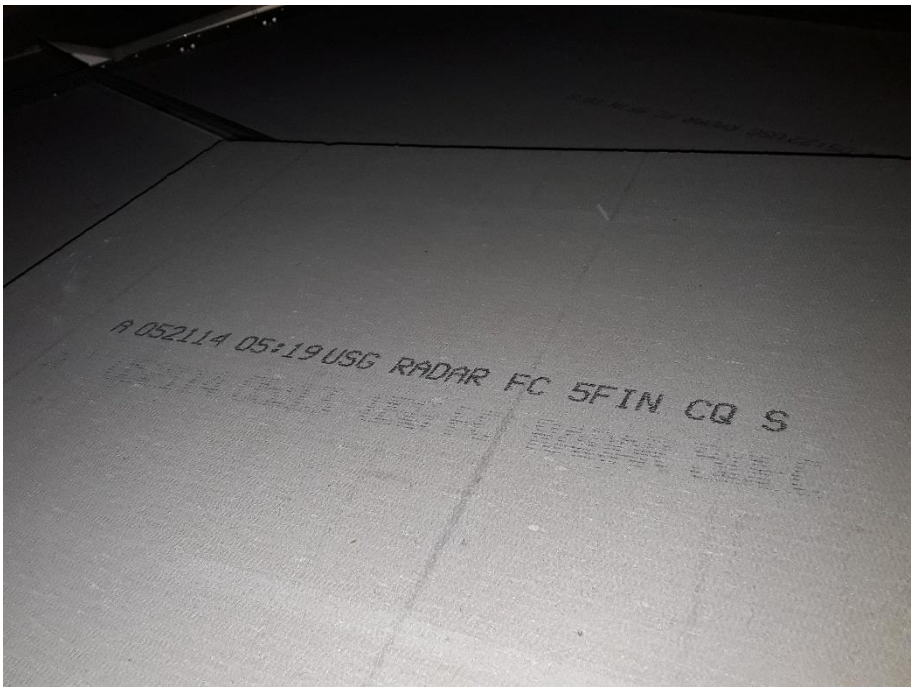


View of asbestos label on duct insulation observed in CL-1025A (Location 71).

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View of ceramic tiles with presumed asbestos-containing thin-set in CL-1V02 (Location 99).



View of date stamp indicating manufacture after ban on use of asbestos on lay-in acoustic ceiling tile in CL-2012 (Location 5).

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View of canvas backing on vinyl sheet flooring in CL-4011 (Location 53).



View of fibreglass incandescent heat shield in CL-2025 (Location 17).

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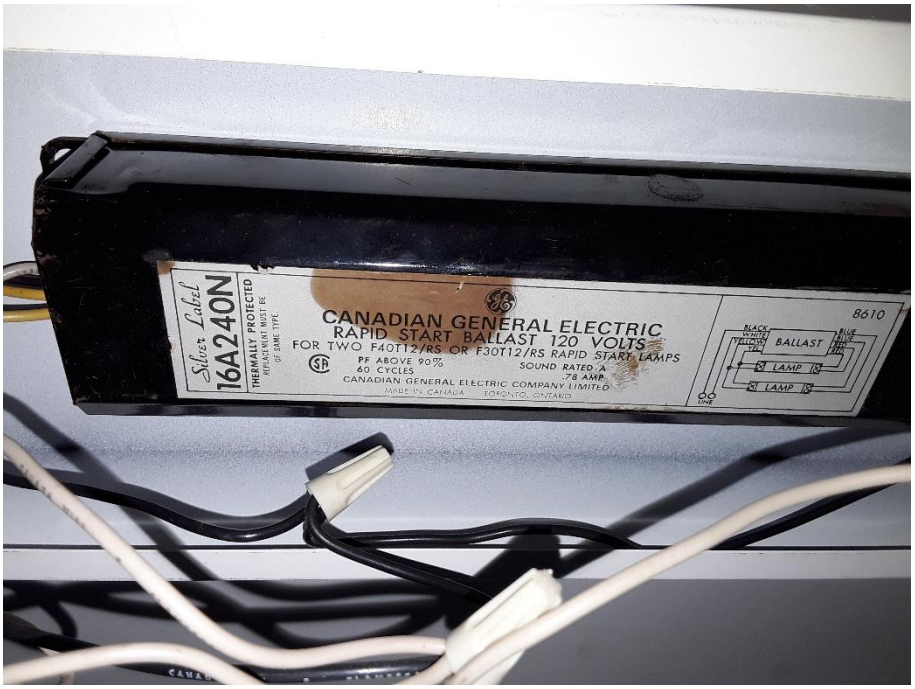


View of liquid mercury in glass ampoule on thermostat in CL-1V01 (Location 84).



View of emergency light fixture with lead-acid battery in CL-1S02 (Location 1).

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View of fluorescent light ballast not labelled for no PCBs or identified as an electronic ballast in CL-1023 (Location 74).

Document1

Report, Photo Appendix

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PART 1 - GENERAL

1.1 SUMMARY

.1 This Section includes requirements for the following:

.1 Demolition and removal of buildings and structures.

.2 Demolition and removal of site improvements adjacent to a building or structure being demolished.

.3 Demolition and removal of concrete foundations and piles.

.4 Abandoning in place and removing below grade construction.

.5 Disconnecting, capping or sealing, and abandoning in place or removing site utilities.

1.2 RELATED SECTIONS

.1 Section 01 11 00 - Summary of Work

.2 Section 01 35 29.06 - Health and Safety Requirements

.3 Section 01 35 43 - Environmental Procedures

.4 Section 01 52 00 - Construction Facilities

.5 Section 01 56 00 - Temporary Barriers and Enclosures

.6 Section 01 74 21 - Construction/Demolition Waste Management and Disposal

.7 Section 02 41 13 - Selective Site Demolition

.8 Section 02 41 19.16 - Selective Interior Demolition

.9 Section 02 41 99 - Demolition for Minor Works

1.3 REFERENCES

.1 Canadian Standards Association (CSA).

.1 CSA S350, Code of Practice for Safety in Demolition of Structures

.2 Department of justice Canada (Jus)

.1 Canadian Environmental Assessment Act (CEAA)

.2 Canadian Environmental Protection Act (CEPA)

.3 National Fire Protection Association (NFPA)

.1 NFPA 241-13, Standard for Safeguarding Construction, Alteration, and Demolition Operations

.4 National Research Council Canada (NRC)

.1 National Building Code of Canada (NBC)

1.4 ADMINISTRATIVE REQUIREMENTS

.1 Coordinate with Owner for the material ownership as follows:

.1 Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property. Demolished materials shall become Contractor's property and shall be removed from Project site.

.2 Convene pre-installation meeting one week prior to beginning work of this section to:

.1 Verify project requirements.
.2 Review installation and substrate conditions.
.3 Verify existing site conditions adjacent to demolition work.
.4 Coordinate with other construction sub trades.
.5 Arrange for site visit with Owner to examine existing site conditions adjacent to demolition work, prior to start of Work.

.3 Hold project meetings every month.

.1 Ensure key personnel, site supervisor, project manager, subcontractor representatives attend.

.4 Scheduling:

.1 Employ necessary means to meet project timelines without compromising specified minimum rates of material diversion.
.2 Notify Owner in writing when unforeseen delays occur.

1.5 SUBMITTALS

.1 Submit in accordance with Section 01 33 00- Submittal Procedures.

.2 Provide the following submittals before starting any work of this Section.

.1 Submit drawings stamped and signed by professional engineer registered or licensed in the Province of Newfoundland and Labrador as follows:
.2 Demolition drawings, diagrams or details showing sequence of demolition work and supporting structures and underpinning.

.3 Submit schedule of demolition activities indicating:

.1 Detailed sequence of demolition and removal work, with starting and ending dates for each activity.
.2 Interruption of utility services.
.3 Coordination for shutoff, capping, and continuation of utility services.

.4 Hazardous Materials: provide description of Hazardous Materials and Notification of Filing with proper authorities prior to beginning of Work as required.

1.6 QUALITY ASSURANCE

.1 Convene pre-installation meeting one week prior to beginning work of this section to:

.1 Verify project requirements.
.2 Review installation and substrate conditions

.3 Co-ordination with building sub-trades

.2 Arrange for site visit with Owner's Representative to examine existing site conditions adjacent to demolition work, prior to start of Work.

1.7 WASTE MANAGEMENT AND DISPOSAL

.1 Separate waste materials in accordance with Section 01 74 21 – Construction/Demolition Waste Management and Disposal.

1.8 DELIVERY, STORAGE, AND HANDLING

.1 Protect existing items designated for salvage. In event of damage to such items, immediately replace or make repairs to approval of Owner's Representative and at no cost to Owner.

.2 Salvage items identified by Owner's Representative. Remove, protect and store salvaged items in manner to prevent damage or as directed by Owner's Representative. Deliver to Owner as directed.

.3 Store and protect in accordance with requirements for maximum preservation of material.

1.9 SITE CONDITIONS

.1 In all circumstances ensure that demolition work does not adversely affect adjacent water courses groundwater and wildlife or contribute to excess air and noise pollution.

.2 Do not dispose, of waste or volatile materials such as mineral spirits, oil, petroleum-based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers. Ensure proper disposal procedures are maintained throughout project.

.3 Do not pump water containing suspended materials into watercourses, storm or sanitary sewers, or onto adjacent properties.

.4 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authorities.

.5 Protect trees, plants and foliage on site and adjacent properties where indicated.

1.10 EXISTING CONDITIONS

.1 Hazardous Materials: There are hazardous materials could be present in construction to be selectively demolished. A report on the presence of hazardous materials is attached for review and use, refer to section 02 26 00 – Hazardous Material Report. Examine report to become aware of locations where hazardous materials are present.

.1 Hazardous material remediation is specified elsewhere in the Contract Documents.

.2 Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.

.2 Prior to start of any demolition work remove contaminated or hazardous materials as defined by authorities having jurisdiction from site and dispose of at designated disposal facilities.

.3 Structures to be demolished to be based on their condition on date that tender is accepted.

.4 Salvage items identified by Owner's Representative. Remove, protect and store salvaged items as directed by Owner's Representative. Deliver to Owner as directed.

1.11 ENVIRONMENTAL PROTECTION

.1 Ensure work is done in accordance with Section 01 35 43 – Environmental Procedures.

.2 Prevent movement, settlement or damage of adjacent structures, services, walks, paving, trees, landscaping, adjacent grades parts of existing building to remain.

.3 Support affected structures and, if safety of structure being demolished or adjacent structures or services appears to be endangered cease operations and notify Owner.

.4 Prevent debris from blocking surface drainage system, elevators, mechanical and electrical systems which must remain in operation.

.5 Ensure that demolition work does not adversely affect adjacent watercourses, groundwater and wildlife, or contribute to excess air and noise pollution.

.6 Fires and burning of waste or materials is not permitted on site.

.7 Do not bury waste or materials on site.

.8 Do not dispose of waste or volatile materials such as mineral spirits, oil, petroleum-based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers. Ensure proper disposal procedures are maintained throughout project.

.9 Do not pump water containing suspended materials into watercourses, storm or sanitary sewers, or onto adjacent properties.

.10 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authorities' requirements.

.11 Protect trees, plants and foliage on site and adjacent properties where indicated.

.12 Prevent extraneous materials from contaminating air beyond application area, by providing temporary enclosures during demolition work.

.13 Cover or wet down dry materials and waste to prevent blowing dust and debris. Control dust on all temporary roads.

.14 Conduct structure demolition so Owner's operations will not be disrupted.

.1 Provide not less than three (3) days' notice to Owner of activities that will affect operations.

.2 Maintain access to existing walkways, exits, and other adjacent occupied or used facilities:

.1 Do not close or obstruct walkways, exits, or other occupied or used facilities without written permission from Owner.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.1 EXAMINATION

.1 Survey existing conditions and correlate with requirements indicated to determine extent of structure demolition required.

.2 Inventory and record the condition of items being removed and salvaged.

.3 When unanticipated mechanical, electrical, or structural elements are encountered, investigate and measure the nature and extent of the element.

.4 Perform engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during structure demolition operations.

3.2 PREPARATION

.1 Do work in accordance with 01 35 29.06 – Health and Safety Requirements and any specific requirements of MUN Facilities Management

.2 Inspect site with Owner's Representative and verify extent and location of items designated for removal, disposal, alternative disposal, recycling and items to remain.

.3 Locate and protect utilities. Preserve active utilities traversing site in operating condition. Disconnect electrical and telephone service lines entering buildings to be demolished. Post warning signs on electrical lines and equipment which must remain energized to serve other properties during period of demolition. Contractor to request de-energization from Owner with 48 hours notice in advance.

.4 Disconnect and cap designated mechanical services.

.1 Sewer and water lines: See Civil Drawings.
.2 Other underground services: See Civil Drawings

.5 Do not disrupt active or energized utilities designated to remain undisturbed.

.6 Remove rodent and vermin as required by Owner's Representative.

3.3 SAFETY CODE

.1 Do demolition work in accordance with Section 01 56 00 – Temporary Barriers and Enclosures.

.2 Blasting operations not permitted during demolition.

3.4 DEMOLITION

.1 Salvage and turn over to owner all items as indicated on drawings.

.2 Demolition of all existing walls, partitions, systems and equipment is deemed to include cutting back mechanical and electrical service lines, piping, conduit, anchors, fasteners, etc. as indicated on drawings.

.3 Demolish all poured in place concrete foundation walls and footings, and concrete floors to a minimum of 600mm below sub-grade. However, demolish all masonry and any other materials to the full extent even as occurring below the demolition extent line. Exact extents to be confirmed on site by Owner's Representative prior to commencement of work.

.4 Pieces of concrete and masonry not larger that 200 mm broken from demolition work may be used as backfill in open basements on excavations provided voids are filled. Keep demolition fill 300 mm below sub-grade level. Do not backfill basement areas until inspected by Owner's Representative.

.5 Remove existing equipment, services, and obstacles where required for refinishing or making good of existing surfaces and replace as work progresses.

.6 At end of each day's work, leave Work in safe and stable condition.

.7 Demolish to minimize dusting. Keep materials wetted as directed by Owner.

.8 Remove all structural framing.

.9 Contain all fibrous materials (e.g. Insulation) to minimize release of airborne fiber while being transported to waste disposal site or alternative disposal location.

.10 Only dispose of material specified by selected alternative disposal option as directed by Owner. Ensure that these materials will not be disposed of in landfill or waste stream destined for landfill.

.11 Remove and dispose of demolished materials except where noted otherwise and in accordance with authorities having jurisdiction.

.12 Remove contaminated or dangerous materials as defined by authorities having jurisdiction, relating to environmental protection, from site and dispose of in safe manner to minimized danger at site or during disposal.

.13 Prior to the start of any demolition work remove contaminated or hazardous materials as defined by authorities having jurisdiction, from site and dispose of at designated disposal facilities.

.14 Use natural lighting to work by wherever possible. Shut off all lighting except those required for security purposes at the end of each day.

3.5 REMOVAL OPERATIONS

.1 Notify Owner in writing of any materials identified as not suitable for alternate disposal. Provide reasons prior to approval for disposal.

.2 Remove items, materials, systems and equipment as indicated.

.3 Removal of Pavements, Curbs and Gutters

.1 Square up adjacent surfaces to remain in place by saw cutting or other method approved by Owner.

.2 Protect adjacent joints and load transfer devices.

.3 Protect underlying and adjacent granular material.

.4 When removing asphalt pavement for subsequent incorporation into hot mix asphalt concrete paving, prevent contamination with base course aggregates.

.5 When removing pipes under existing or future pavement area, excavate at least 300mm below pipe invert.

.6 Removal from site

.1 Interim removal of stockpiled material will be required by Owner's Representative, if it is deemed to interfere with operations of Owner's Representative, Owner or other contractors.

.7 Sealing

.1 Seal pipe ends and walls of manholes or catch basins as indicated. Securely plug to form watertight seal.

.8 Backfill

.1 Backfill in areas as indicated and in accordance with Section 31 23 10 - Excavating, Trenching and Backfilling.

3.6 RESTORATION

.1 Restore areas and existing works outside areas of demolition to match conditions of adjacent, undisturbed areas.

.2 Use soil treatments and procedures which are not harmful to health, are not injurious to plants, and do not endanger wildlife, adjacent water courses or ground water.

.3 All affected areas inside construction site are to be restored to a sub-grade level, approximately 250mm below adjacent finished grade at site.

3.7 CLEAN UP

.1 Upon completion of work, remove debris, trim surfaces and leave work site clean.

.2 Use cleaning solutions and procedures which are not harmful to health, are not injurious to plants, and do not endanger wildlife, adjacent water courses or ground water.

3.8 REPORTING

.1 Record off-site removal of debris and materials and report in accordance with the requirements of Section 01 31 00 – Project Management and Coordination

END OF SECTION

PART 1 - GENERAL

1.1 SUMMARY

.1 Types of items described in this Section:
- .1 Removal as specified of spray or trowel applied asbestos containing material located at site except where removal is considered impracticable by Owner's Representative.
- .2 Encapsulation as specified of spray or trowel applied asbestos containing material located at site where removal is considered by Owner's Representative to be impracticable.
- .3 Encapsulation of areas where asphaltic adhesive coating under spray or trowel applied asbestos containing material prevents complete removal of spray or trowel applied asbestos containing material.
- .4 Enclosure as specified of spray or trowel applied asbestos containing material located at site.
- .5 Removal (other than defined minor amounts) of friable materials containing asbestos.
- .6 Removal of amosite or crocidolite asbestos containing materials.
- .7 Use of power tools that are fitted with dust collectors equipped with HEPA filter to cut, shape, grind, drill, scrape, or abrade manufactured products containing asbestos.
- .8 Cleaning, maintaining, or removal of air handling equipment in buildings where sprayed fireproofing materials containing asbestos have been applied.

.2 Types of items you will not find described in this Section:
- .1 Submittal Procedures.
- .2 Health and Safety Requirements.
- .3 Construction/Demolition Waste Management and Disposal.
- .4 Applied Fireproofing.

.3 References
- .1 Canadian General Standards Board (CGSB).
  - .1 CAN/CGSB-1.205-94, Sealer for Application to Asbestos Fibre Releasing Materials.
- .2 Canadian Standards Association (CSA International).
- .3 Department of Justice Canada.
  - .1 Canadian Environmental Protection Act (CEPA), 1999.
- .4 Health Canada/Workplace Hazardous Materials Information System (WHMIS).
  - .1 Material Safety Data Sheets (MSDS).
- .5 Transport Canada (TC).
  - .1 Transportation of Dangerous Goods Act, 1992 (TDGA).
- .6 Underwriters' Laboratories of Canada (ULC).
- .7 U.S. Department of Health and Human Services/Centers for Disease Control and Prevention (CDC)/National Institute for Occupational Safety and Health (NIOSH).
  - .1 NIOSH 94-113-August 1994, NIOSH Manual of Analytical Methods (NMAM), 4th Edition.
- .8 U.S. Department of Labour - Occupational Safety and Health Administration - Toxic and Hazardous Substances.
  - .1 29 CFR 1910.1001-2001, Asbestos Regulations.

1.2 DEFINITIONS

.1 HEPA vacuum: High Efficiency Particulate Air filtered vacuum equipment with a filter system capable of collecting and retaining fibres greater than 0.3 microns in any direction at 99.97% efficiency.

.2 Amended Water: water with a non-ionic surfactant wetting agent added to reduce water tension to allow wetting of fibres.

.3 Asbestos Containing Materials (ACMs): materials identified under Existing Conditions Article, including fallen materials and settled dust.

.4 Asbestos Work Area: Area where actual removal and sealing and enclosure of spray or trowel applied asbestos containing materials takes place.

.5 Authorized Visitors: Owner's Representative, or designated representative, and representatives of regulatory agencies.

.6 Friable Material: material that when dry can be crumbled, pulverized or powdered by hand pressure and includes such material that is crumbled, pulverized or powdered.

.7 Occupied Area: any area of building or work site that is outside Asbestos Work Area.

.8 Polyethylene sheeting sealed with tape: Polyethylene sheeting of type and thickness specified sealed with tape along edges, around penetrating objects, over cuts and tears, and elsewhere as required to provide continuous polyethylene membrane to protect underlying surfaces from water damage or damage by sealants, and to prevent escape of asbestos fibres through sheeting into clean area.

.9 Glove Bag: prefabricated glove bag as follows:
- .1 Minimum thickness 0.25 mm polyvinyl-chloride bag.
- .2 Integral 0.25 mm thick polyvinyl-chloride gloves and elastic ports.
- .3 Equipped with reversible double pull double throw zipper on top.
- .4 Straps for sealing ends around pipe.
- .5 Must incorporate internal closure strip if it is to be moved or used in more than one specific location.

.10 DOP Test: testing method used to determine integrity of Negative Pressure unit using dioctyl phthalate (DOP) HEPA-filter leak test.

.11 Sprayer: garden reservoir type sprayer or airless spray equipment capable of producing mist or fine spray. Must be appropriate capacity for scope of work.

.12 Negative pressure: system that extracts air directly from work area, filters such extracted air through High Efficiency Particulate Air filtering system, and discharges this air directly outside work area to exterior of building.
- .1 System to maintain minimum pressure differential of 5 Pa relative to adjacent areas outside of work areas, be equipped with alarm to warn of system breakdown, and be equipped with instrument to continuously monitor and automatically record pressure differences.

.13 Airlock: system for permitting ingress or egress without permitting air movement between contaminated area and uncontaminated area, typically consisting of two curtained doorways at least 2 m apart.

.14 Curtained doorway: arrangement of closures to allow ingress and egress from one room to another while permitting minimal air movement between rooms, typically constructed as follows:
- .1 Place two overlapping sheets of polyethylene over existing or temporarily framed doorway, secure each along top of doorway, secure vertical edge of one sheet along one vertical side of doorway, and secure vertical edge of other sheet along opposite vertical side of doorway.
- .2 Reinforce free edges of polyethylene with duct tape and weight bottom edge to ensure proper closing.
- .3 Overlap each polyethylene sheet at openings not less than 1.5 m on each side.

1.3 SUBMITTALS

.1 Before beginning work:
- .1 Obtain from appropriate agency and submit to Owner's Representative necessary permits for transportation and disposal of asbestos waste. Ensure that dump operator is fully aware of hazardous nature of material being dumped, and proper methods of disposal. Submit proof satisfactory to Owner's Representative that suitable arrangements have been made to receive and properly dispose of asbestos waste.
- .2 Submit proof satisfactory to Owner's Representative that employees have had instruction on hazards of asbestos exposure, respirator use, dress, use of showers, entry and exit from work areas, and aspects of work procedures and protective measures. Ensure supervisory personnel have attended asbestos abatement course, of not less than two days duration, approved by Owner's Representative. Submit proof of attendance in form of certificate. Minimum of one Supervisor for every ten workers.
- .3 Submit layout of proposed enclosures and decontamination facilities to Owner's Representative for review.
- .4 Submit documentation including test results for sealer proposed for use.
- .5 Submit Provincial/Territorial and/or local requirements for Notice of Project Form.
- .6 Submit proof of Contractor's Asbestos Liability Insurance.
- .7 Submit proof satisfactory to Owner's Representative that employees have respirator fitting and testing. Workers must be fit tested (irritant smoke test) with respirator that is personally issued.
- .8 Submit Worker's Compensation Board status and transcription of insurance.
- .9 Submit documentation including test results, fire and flammability data, and Material Safety Data Sheets (MSDS) for chemicals or materials including but not limited to following:
  - .1 encapsulants;
  - .2 amended water;
  - .3 slow-drying sealer.

1.4 QUALITY ASSURANCE

.1 Regulatory Requirements: comply with Federal, Provincial/Territorial and local requirements pertaining to asbestos, provided that in case of conflict among those requirements or with these specifications more stringent requirement applies. Comply with regulations in effect at time work is performed.

.2 Health and Safety:
- .1 Safety Requirements: worker and visitor protection.
  - .1 Protective equipment and clothing to be worn by workers while in Asbestos Work Area includes:
    - .1 Respirator equipped with HEPA filter cartridges or supplied air type, personally issued to worker and marked as to efficiency and purpose, and acceptable to Authority having jurisdiction as suitable for type of asbestos and level of asbestos exposure in Asbestos Work Area. If disposable type filters are used, provide sufficient filters so that workers can install new filters following disposal of used filters and before re-entering contaminated areas.
    - .2 Disposable type protective clothing that does not readily retain or permit penetration of asbestos fibres, consisting of full body covering including head covering with snug fitting cuffs at wrists, ankles, and neck.
  - .2 Requirements for each worker:
    - .1 Remove street clothes in clean change room and put on respirator with new filters or reusable filters that have been tested as satisfactory, clean coveralls and head covers before entering Equipment and Access Rooms or Asbestos Work Area. Store street clothes, uncontaminated footwear, towels, and similar uncontaminated articles in clean change room.
    - .2 Remove gross contamination from clothing before leaving work area then proceed to Equipment and Access Room and remove clothing except respirators. Place contaminated work suits in receptacles for disposal with other asbestos - contaminated materials. Leave reusable items except respirator in Equipment and Access Room. Still wearing the respirator proceed naked to showers. Using soap and water wash body and hair thoroughly. Clean outside of respirator with soap and water while showering; remove respirator; remove filters

and wet them and dispose of filters in container provided for purpose; and wash and rinse inside of respirator. When not in use in work area, store work footwear in Equipment and Access Room. Upon completion of asbestos abatement, dispose of footwear as contaminated waste or clean thoroughly inside and out using soap and water before removing from work area or from Equipment and Access Room.

.3 After showering and drying off, proceed to clean change room and dress in street clothes at end of each day's work, or in clean coveralls before eating, smoking, or drinking. If re-entering work area, follow procedures outlined in paragraphs above.

.4 Enter unloading room from outside dressed in clean coveralls to remove waste containers and equipment from Holding Room of Container and Equipment Decontamination Enclosure system. Workers must not use this system as means to leave or enter work area.

.3 Eating, drinking, chewing, and smoking are not permitted in Asbestos Work Area.

.4 Ensure workers are fully protected with respirators and protective clothing during preparation of system of enclosures prior to commencing actual asbestos abatement.

.5 Provide and post in Clean Change Room and in Equipment and Access Room the procedures described in this Section, in both official languages.

.6 Ensure that no person required to enter an Asbestos Work Area has facial hair that affects seal between respirator and face.

.7 Visitor Protection:

.1 Provide protective clothing and approved respirators to Authorized Visitors to work areas.

.2 Instruct Authorized Visitors in the use of protective clothing, respirators and procedures.

.3 Instruct Authorized Visitors in proper procedures to be followed in entering into and exiting from Asbestos Work Area.

1.5 WASTE MANAGEMENT AND DISPOSAL

.1 Place materials defined as hazardous or toxic in designated containers.

.2 Handle and dispose of hazardous materials in accordance with the CEPA, TDGA, Regional and Municipal regulations.

.3 Fold up metal banding, flatten and place in designated area for recycling.

.4 Disposal of asbestos waste generated by removal activities must comply with Federal, Provincial, Territorial and Municipal regulations. Dispose of asbestos waste in sealed double thickness 6 ml bags or leak proof drums. Label containers with appropriate warning labels.

.5 Provide manifests describing and listing waste created. Transport containers by approved means to licensed landfill for burial.

1.6 EXISTING CONDITIONS

.1 Results of tests of asbestos containing materials to be handled, removed, or otherwise disturbed and disposed of during this Project are bound into this specification manual. These are for general information only and are not necessarily representative of asbestos containing materials covered within scope of this Project.

1.7 SCHEDULING

.1 Not later than ten (10) days before beginning Work on this Project notify following in writing:

.1 Appropriate Regional or Zone Director of Medical Services Branch, Health Canada.

.2 Regional Office of Labour Canada.

.3 Provincial/Territorial, Department of Labour.

.4 Disposal Authority.

.2 Inform sub trades of presence of friable asbestos containing materials identified in Existing Conditions.

.3 Submit to Owner's Representative copy of notifications prior to start of Work.

1.8 OWNER'S INSTRUCTIONS

.1 Before beginning Work, provide to Owner's Representative satisfactory proof that every worker has had instruction and training in hazards of asbestos exposure, in personal hygiene including dress and showers, in entry and exit from Asbestos Work Area, in aspects of work procedures including glove bag procedures, and in use, cleaning, and disposal of respirators and protective clothing.

.2 Instruction and training related to respirators includes, at minimum:
.1 Proper fitting of equipment.
.2 Inspection and maintenance of equipment.
.3 Disinfecting of equipment.
.4 Limitations of equipment.

.3 Instruction and training must be provided by competent, qualified person.

.4 Supervisory personnel to complete required training.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Polyethylene: minimum 0.15 mm thick unless otherwise specified; in sheet size to minimize joints.

.2 FR polyethylene: minimum 0.15 mm thick, woven fibre reinforced fabric bonded both sides with polyethylene.

.3 Tape: fibreglass - reinforced duct tape suitable for sealing polyethylene under both dry conditions and wet conditions using amended water.

.4 Wetting agent: 50% polyoxyethylene ester and 50% polyoxyethylene ether, or other material approved by Owner's Representative, mixed with water in concentration to provide adequate penetration and wetting of asbestos containing material.

.5 Asbestos waste containers: Metal or fibre - type acceptable to dump operator with tightly fitting covers and 0.15 mm minimum thickness sealable polyethylene liners.
.1 Label containers in accordance with Asbestos Regulations 29 CFR 1910.1001. Label in both official languages.

.6 Encapsulants: Type 2 surface film forming or Type 1 penetrating type Class A water based conforming to CAN/CGSB-1.205 and approved by the Fire Commissioner of Canada.

.7 Glove bag: acceptable materials include safe-T-strip products in configuration suitable for Work, or alternative material approved by addendum during tendering period in accordance with Instructions to Tenderers.
.1 Equip glove bags intended for use in more than one location with reversible, double pull, double throw zipper on top and at approximately mid-section of bag.

.8 Sprayed fireproofing: ULC labelled and listed asbestos free cementitious or mineral fibre to provide degree of fire or thermal protection required.

.9 Slow - drying sealer: non-staining, clear, water - dispersible type that remains tacky on surface for at least 8 hours and designed for purpose of trapping residual asbestos fibres.
.1 Sealer: flame spread and smoke developed rating less than 50.

PART 3 - EXECUTION

3.1 PREPARATION

.1 Do construction occupational health and safety in accordance with *Health and Safety Requirements*.

.2 Work Areas:
.1 Shut off and isolate air handling and ventilation systems to prevent fibre dispersal to other building areas during work phase. Conduct smoke tests to ensure that duct work is airtight. Seal and caulk joints and seams of active return air ducts within Asbestos Work Area.
.2 Preclean moveable furniture and carpeting within proposed work areas using HEPA vacuum and remove from work areas to temporary location.
.3 Preclean fixed casework, plant, and equipment within proposed work areas, using HEPA vacuum and cover with polyethylene sheeting sealed with tape.
.4 Clean proposed work areas using, where practicable, HEPA vacuum cleaning equipment. If not practicable, use wet cleaning method. Do not use methods that raise dust, such as dry sweeping, or vacuuming using other than HEPA vacuum equipment.
.5 Put negative pressure system in operation and operate continuously from time first polyethylene is installed to seal openings until final completion of work including final cleanup. Provide continuous monitoring of pressure difference using automatic recording instrument.
.6 Seal off openings such as corridors, doorways, windows, skylights, ducts, grilles, and diffusers, with polyethylene sheeting sealed with tape.
.7 Cover floor and wall surfaces with polyethylene sheeting sealed with tape. Use two layers of FR polyethylene on floors. Cover floors first so that polyethylene extends at least 300 mm up walls then cover walls to overlap floor sheeting.
.8 Build airlocks at entrances to and exits from work areas so that work areas are always closed off by one curtained doorway when workers enter or exit.
.9 At each access to work areas install warning signs in both official languages in upper case "*Helvetica Medium*" letters reading as follows where number in parentheses indicates font size to be used : "*CAUTION ASBESTOS HAZARD AREA (25 mm) NO UNAUTHORIZED ENTRY (19 mm) WEAR ASSIGNED PROTECTIVE EQUIPMENT (19 mm) BREATHING ASBESTOS DUST MAY CAUSE SERIOUS BODILY HARM (7 mm)*".
.10 After work area isolation, remove heating, ventilating, and air conditioning filters, pack in sealed plastic bags 0.15 mm minimum thick and treat as contaminated asbestos waste. Remove ceiling - mounted objects such as lights, partitions, other fixtures not previously sealed off, and other objects that interfere with asbestos removal, as directed by Owner's Representative. Use localized water spraying during fixture removal to reduce fibre dispersal.
.11 Maintain emergency and fire exits from work areas, or establish alternative exits satisfactory to Fire Commissioner and Authority having jurisdiction.
.12 Where application of water is required for wetting asbestos containing materials, shut off electrical power, provide 24 volt safety lighting and ground fault interrupter circuits on power source for electrical tools, in accordance with applicable CSA Standard. Ensure safe installation of electrical lines and equipment.
.13 After preparation of work areas and Decontamination Enclosure Systems, remove ceiling panels and tiles within work areas progressively and carefully, clean using HEPA vacuum and damp sponge, wrap clean

panels in 0.10 mm minimum thick polyethylene, and store in building as directed by Owner's Representative and dispose of as contaminated waste. Clean "*T*" grid suspension system within work areas using wet sponge, disconnect grid from hangers, wrap grid members in 0.10 mm minimum thick polyethylene and store in building as directed by Owner's Representative.

.14 After preparation of work areas and Decontamination Enclosure Systems remove plaster ceilings, including lath, furring, channels, hangers, wires, clips, and dispose of as contaminated waste in specified containers. Spray ceiling debris and immediate work area with amended water to reduce dust, as work progresses.

.3 Worker Decontamination Enclosure System:

.1 Worker Decontamination Enclosure System includes Equipment and Access Room, Shower Room, and Clean Room, as follows:

.1 Equipment and Access Room: build Equipment and Access Room between Shower Room and work areas, with two curtained doorways, one to Shower Room and one to work areas. Install portable toilet, waste receptor, and storage facilities for workers' shoes and protective clothing to be reworn in work areas. Build Equipment and Access Room large enough to accommodate specified facilities, other equipment needed, and at least one worker allowing him /her sufficient space to undress comfortably.

.2 Shower Room: build Shower Room between Clean Room and Equipment and Access Room, with two curtained doorways, one to Clean Room and one to Equipment and Access Room. Provide one shower for every five workers. Provide constant supply of hot and cold or warm water. Provide piping and connect to water sources and drains. Pump waste water through 5 micrometre filter system acceptable to Owner's Representative before directing into drains. Provide soap, clean towels, and appropriate containers for disposal of used respirator filters.

.3 Clean Room: build Clean Room between Shower Room and clean areas outside of enclosures, with two curtained doorways, one to outside of enclosures and one to Shower Room. Provide lockers or hangers and hooks for workers' street clothes and personal belongings. Provide storage for clean protective clothing and respiratory equipment. Install mirror to permit workers to fit respiratory equipment properly.

.4 Container and Equipment Decontamination Enclosure System:

.1 Container and Equipment Decontamination Enclosure System consists of Staging Area within work area, Washroom, Holding Room, and Unloading Room. Purpose of system is to provide means to decontaminate waste containers, scaffolding, waste and material containers, vacuum and spray equipment, and other tools and equipment for which Worker Decontamination Enclosure System is not suitable.

.1 Staging Area: designate Staging Area in work area for gross removal of dust and debris from waste containers and equipment, labelling and sealing of waste containers, and temporary storage pending removal to Washroom. Equip Staging Area with curtained doorway to Washroom.

.2 Washroom: build Washroom between Staging Area and Holding Room with two curtained doorways, one to Staging Area and one to Holding Room. Provide high - pressure low - volume sprays for washing of waste containers and equipment. Pump waste water through 5 micrometre filter system before directing into drains. Provide piping and connect to water sources and drains.

.3 Holding Room: build Holding Room between Washroom and Unloading Room, with two curtained doorways, one to Washroom and one to Unloading Room. Build Holding Room sized to accommodate at least two waste containers and largest item of equipment used.

.4 Unloading Room: build Unloading Room between Holding Room and outside, with two curtained doorways, one to Holding Room and one to outside.

.5 Construction of Decontamination Enclosures:

.1 Build suitable framing for enclosures or use existing rooms where convenient, and line with polyethylene sheeting sealed with tape. Use two layers of FR polyethylene on floors.

.2 Build curtained doorways between enclosures so that when people move through or when waste containers and equipment are moved through doorway, one of two closures comprising doorway always remains closed.

.6 Separation of Work Areas from Occupied Areas:
.1 Separate parts of building required to remain in use from parts of building used for asbestos abatement by means of airtight barrier system constructed as follows:
.1 Build suitable floor to ceiling lumber or metal stud framing, cover with polyethylene sheeting sealed with tape, and apply 9 mm minimum thick plywood. Seal joints between plywood sheets and between plywood and adjacent materials with surface film forming type sealer, to create airtight barrier.
.2 Cover plywood barrier with polyethylene sealed with tape, as specified for work areas.

.7 Maintenance of Enclosures:
.1 Maintain enclosures in tidy condition.
.2 Ensure that barriers and polyethylene linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon discovery.
.3 Visually inspect enclosures at beginning of each working period.
.4 Use smoke methods to test effectiveness of barriers when directed by Owner's Representative.

.8 Do not begin Asbestos Abatement work until:
.1 Arrangements have been made for disposal of waste.
.2 For wet stripping techniques, arrangements have been made for containing, filtering, and disposal of waste water.
.3 Work areas and decontamination enclosures and parts of building required to remain in use are effectively segregated.
.4 Tools, equipment, and materials waste containers are on hand.
.5 Arrangements have been made for building security.
.6 Warning signs are displayed where access to contaminated areas is possible.
.7 Notifications have been completed and other preparatory steps have been taken.

3.2 SUPERVISION

.1 Minimum of one Supervisor for every ten workers is required.

.2 Approved Supervisor must remain within Asbestos Work Area during disturbance, removal, or other handling of asbestos containing materials.

3.3 ASBESTOS REMOVAL

.1 Before removing asbestos:
.1 Prepare site.
.2 Spray asbestos material with water containing specified wetting agent, using airless spray equipment capable of providing "*mist*" application to prevent release of fibres. Saturate asbestos material sufficiently to wet it to substrate without causing excess dripping. Spray asbestos material repeatedly during work process to maintain saturation and to minimize asbestos fibre dispersion.

.2 Remove saturated asbestos material in small sections. Do not allow saturated asbestos to dry out. As it is being removed pack material in sealable plastic bags 0.15 mm minimum thick and place in labelled containers for transport.

.3 Seal filled containers. Clean external surfaces thoroughly by wet sponging. Remove from immediate working area to Staging Area. Clean external surfaces thoroughly again by wet sponging before moving containers to

decontamination Washroom. Wash containers thoroughly in decontamination Washroom, and store in Holding Room pending removal to Unloading Room and outside. Ensure that containers are removed from Holding Room by workers who have entered from uncontaminated areas dressed in clean coveralls.

.4 After completion of stripping work, wire brushed and wet sponged surfaces from which asbestos has been removed to remove visible material. During this work keep surfaces wet.

.5 Where Owner's Representative decides complete removal of asbestos containing material is impossible due to obstructions such as structural members or major service elements, or because asbestos containing material was originally applied to asphaltic coating, and provides written direction, encapsulate material as follows:

.1 Apply surface film forming type sealer to provide 0.635 mm minimum dry film thickness over sprayed asbestos surfaces. Apply using airless spray equipment to avoid blowing off fibres. Use different colour for each coat. Use colour for final coat. Or Apply penetrating type sealer to penetrate existing sprayed asbestos surfaces to uniform depth of 25 mm minimum. Apply penetrating type sealer to penetrate existing sprayed asbestos surfaces uniformly to substrate.

.6 After wire brushing and wet sponging to remove visible asbestos, and after encapsulating asbestos containing material impossible to remove, wet clean entire work area including Equipment and Access Room, and equipment used in process. After 24 hour period to allow for dust settling, wet clean these areas and objects again. During this settling period no entry, activity, or ventilation will be permitted. After second 24 hour period under same conditions, clean these areas and objects again using HEPA vacuum followed by wet cleaning. After inspection by Owner's Representative apply continuous coat of slow drying sealer to surfaces of work area . Allow at least 16 hours with no entry, activity, ventilation, or disturbance other than operation of negative pressure units during this period.

3.4 ASBESTOS ENCAPSULATION

.1 Before encapsulating asbestos:

.1 Prepare site.

.2 Vacuum surfaces in work areas except those to be sealed, using HEPA vacuum to remove loose debris and dust particles.

.3 Repair damaged and missing areas of existing sprayed asbestos to obtain suitable base for sealing and to restore continuity of fireproofing. Use specified asbestos free fireproofing material. Prepare surfaces and apply fireproofing in accordance with manufacturer's printed instructions.

.4 Remove loose asbestos and pack in sealable plastic bags 0.15 mm minimum thick and place in labelled waste containers for transport.

.5 Seal filled waste containers. Remove from immediate working area to Staging Area. Clean external surfaces thoroughly again by wet sponging before moving containers to decontamination washroom. Wash waste containers thoroughly in decontamination Washroom, and store in Holding Room pending removal to Unloading Room and outside. Ensure that waste containers are removed from holding areas by workers who have entered from uncontaminated areas dressed in clean coveralls.

.2 Apply surface film forming type sealer to provide 0.635 mm minimum dry film thickness over sprayed asbestos surfaces. Apply using airless spray equipment to avoid blowing off fibres. Use different colour for each coat. Use colour for final coat. Or Apply penetrating type sealer to penetrate existing sprayed asbestos surfaces to uniform depth of 25 mm minimum. Apply penetrating type sealer to penetrate existing sprayed asbestos surfaces uniformly to substrate.

.3 After sealing asbestos surfaces wet clean the entire work area including Equipment and Access Room, and equipment used in the process. After 24 hour period to allow for dust settling, wet clean these areas and objects again. During this settling period no entry, activity, or ventilation will be permitted. After second 24 hour period under same conditions, clean these areas and objects again using HEPA vacuum followed by wet cleaning.

.4 Install warning signs in both official languages in 25 mm sans serif letters worded as follows: WARNING - SEALED ASBESTOS/ATTENTION AMIANTE ENCAPSULÉ. Install signs at locations indicated. Total of 20 signs will be required.

3.5 ASBESTOS ENCLOSURE

.1 Before enclosing asbestos:
- .1 Prepare site.
- .2 Vacuum surfaces in work areas, except asbestos surfaces, using HEPA vacuum equipment to remove loose debris and dust particles.
- .3 Spray areas to be disturbed while securing hangers and other fixing devices. Use water containing specified wetting agent. Keep asbestos material damp to prevent release of airborne fibres.
- .4 Remove loose asbestos and pack in sealable plastic bags 0.15 mm minimum thickness and place in labelled containers for transport.
- .5 Seal filled waste containers. Remove from immediate working area to Staging Area. Clean external surfaces thoroughly again by wet sponging before moving containers to decontamination washroom. Wash waste containers thoroughly in decontamination Washroom, and store in Holding Room pending removal to Unloading Room and outside. Ensure that waste containers are removed from holding areas by workers who have entered from uncontaminated areas dressed in clean coveralls.

.2 After installation of hangers and other fixing devices and before enclosing asbestos, repair damaged and missing areas of existing sprayed on material using specified asbestos free fireproofing material. Prepare surfaces and apply fireproofing or thermal insulation in accordance with manufacturer's printed instructions.

.3 After enclosing asbestos surfaces, wet clean entire work area including Equipment and Access Room, and equipment used in process. After 24 hour period to allow for dust settling, wet clean these areas and objects again. During this settling period no entry, activity, or ventilation will be permitted. After second 24 hour period under same conditions, clean these areas and objects again using HEPA vacuum followed by wet cleaning.

.4 Install warning signs at each access in both official languages in 25 mm sans serif letters worded as follows: WARNING: ENCLOSED ASBESTOS/ATTENTION: AMIANTE ENCOFFRÉ.

3.6 PIPE INSULATION REMOVAL USING GLOVE BAG

.1 Place tools necessary to remove insulation in tool pouch. Wrap bag around pipe and close zippers. Seal bag to pipe with cloth straps.

.2 Place hands in gloves and use necessary tools to remove insulation. Arrange insulation in bag to obtain full capacity of bag.

.3 Insert nozzle of garden reservoir type sprayer into bag through valve and wash down pipe and interior of bag thoroughly. Wet surface of insulation in lower section of bag.

.4 When glove bags are intended for use at more than one location: after wash down and application of sealer, seal off waste in lower section of bag using zipper at mid-section of bag. Remove air from top section of bag through elasticized valve using HEPA vacuum. Remove bag from pipe, reinstall in new location, and reseal to pipe prior to opening lower section of bag. Repeat stripping operation.

.5 If bag is to be moved along pipe, first remove air from top section through elasticized valve using HEPA vacuum. Next loosen straps, move bag, re-seal to pipe using double pull zipper to pass hangers. Repeat stripping operation.

.6 To remove bag after completion of stripping, wash top section and tools thoroughly. Remove air from top section through elasticized valve using HEPA vacuum. Pull polyethylene waste container over glove bag before removing from pipe. Release one strap and remove freshly washed tools. Place tools in water. Remove second strap and zipper. Fold over into waste container and seal.

.7 After removal of bag ensure that pipe is free of residue. Remove residue using HEPA vacuum or wet cloths. Ensure that surfaces are free of sludge which after drying could release asbestos dust into atmosphere. Seal exposed surfaces of pipe and ends of insulation with slow drying sealer to seal in any residual fibres.

.8 Upon completion of work shift, cover exposed ends of remaining pipe insulation with polyethylene taped in place.

3.7 FINAL CLEANUP

.1 Following cleaning specified above, and when air sampling shows that asbestos levels on both sides of seals do not exceed 0.01 fibres/cc as determined by membrane filter method at 400-500X magnification phase contrast illumination, as described in NIOSH 94-113 or equivalent, proceed with final cleanup.

.2 Remove polyethylene sheet by rolling it away from walls to centre of work area. Vacuum visible asbestos containing particles observed during cleanup, immediately, using HEPA vacuum equipment.

.3 Place polyethylene seals, tape, cleaning material, clothing, and other contaminated waste in plastic bags and sealed labelled waste containers for transport.

.4 Include in clean-up Work areas, Equipment and Access Room, Washroom, Shower Room, and other contaminated enclosures.

.5 Include in clean-up sealed waste containers and equipment used in Work and remove from work areas, via Container and Equipment Decontamination Enclosure System, at appropriate time in cleaning sequence.

.6 Conduct final check to ensure that no dust or debris remains on surfaces as result of dismantling operations and carry out air monitoring again to ensure that asbestos levels in building do not exceed 0.01 fibres/cc. Repeat cleaning using HEPA vacuum equipment, or wet cleaning methods where feasible, in conjunction with sampling until levels meet this criteria.

.7 As work progresses, and to prevent exceeding available storage capacity on site, remove sealed and labelled containers containing asbestos waste and dispose of to authorized disposal area in accordance with requirements of disposal authority. Ensure that each shipment of containers transported to dump is accompanied by Contractor's representative to ensure that dumping is done in accordance with governing regulations.

3.8 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS

.1 When cleanup is complete:
- .1 Re-establish objects and furniture moved to temporary locations in course of Work, in their proper positions.
- .2 Re-secure mounted objects removed in course of Work in their former positions.
- .3 Re-establish mechanical and electrical systems in proper working order. Install new filters.
- .4 Repair or replace objects damaged in the course of Work, as directed by Owner's Representative.

3.9 AIR MONITORING

.1 From beginning of Work until completion of cleaning operations, Owner's Representative to take air samples on daily basis outside of work area enclosure in accordance with Health Canada recommendations.

.1 Contractor will be responsible for monitoring inside enclosure in accordance with applicable Provincial/Territorial Occupational Health and Safety Regulations.
.2 Samples for analysis of asbestos content in air shall be collected in accordance with NIOSH (National Institute of Occupational Safety and Health) Method 7400 Asbestos and other fibers by PCM.
.3 With respect to clearance sampling, at least 2,400 liters and air shall be drawn through each sample filter.
.4 A preliminary electronic copy of clearance sampling results shall be sent to asbestos@mun.ca as soon as possible.

.2 Use results of air monitoring inside work area to establish type of respirators to be used. Workers may be required to wear sample pumps for up to full shift periods.
.1 If fibre levels are above safety factor of respirators in use, stop abatement, apply means of dust suppression, and use higher safety factor in respiratory protection for persons inside enclosure.
.2 If air monitoring shows that areas outside work area enclosures are contaminated, enclose, maintain and clean these areas, in same manner as that applicable to work areas.

.3 During course of Work, Owner's Representative to measure fibre content of air outside work areas by means of fibrous aerosol monitors (FAM).
.1 When FAM readings exceed 0.25 f/cc adopt more stringent work procedures immediately and carry out PCM test.
.2 Stop Work when PCM measurements exceed 0.01 f/cc and correct procedures.

.4 Final air monitoring to be conducted as follows: After Asbestos Work Area has passed visual inspection and acceptable coat of lock-down agent has been applied to surfaces within enclosure, and appropriate setting period has passed, Owner's Representative will perform air monitoring within Asbestos Work Area.
.1 Final air monitoring results must show fibre levels of less than 0.01 f/cc.
.2 If air monitoring results show fibre levels in excess of 0.01 f/cc, re-clean work area and apply another acceptable coat of lock-down agent to surfaces.
.3 Repeat as necessary until fibre levels are less than 0.01 f/cc.

3.10 INSPECTION

.1 Perform inspection of Asbestos Work Area to confirm compliance with specification and governing authority requirements. Deviations from these requirements that have not been approved in writing by Owner's Representative may result in Work stoppage, at no cost to Owner.

.2 Owner's Representative will inspect Work for:
.1 Adherence to specific procedures and materials.
.2 Final cleanliness and completion.
.3 No additional costs will be allowed by Contractor for additional labour or materials required to provide specified performance level.

.3 When asbestos leakage from Asbestos Work Area has occurred or is likely to occur Owner's Representative may order Work shutdown.

.4 No additional costs will be allowed by Contractor for additional labour or materials required to provide specified performance level.

END OF SECTION

PART 1 GENERAL

1.1 SUMMARY

.1 Comply with requirements of this Section when performing following Work:
- .1 Removal of lead-containing coatings with a chemical gel or paste and fibrous laminated cloth wrap on areas as indicated on drawings.
- .2 Removal of lead-containing coatings or materials using a power tool with an effective dust collection system equipped with a HEPA filter on areas as indicated on drawings.
- .3 Removal of lead-containing coatings or materials with non-powered hand tool, other than manual scraping and sanding on areas as indicated on drawings.

1.2 REFERENCED STARDARDS

.1 Department of Justice Canada
- .1 Canadian Environmental Protection Act, 1999 (CEPA).

.2 Health Canada
- .1 Workplace Hazardous Materials Information System (WHMIS): Safety Data Sheets (SDS).

.3 Human Resources and Social Development Canada (HRSDC)
- .1 Canada Labour Code Part II, - SOR 86-304 - Occupational Health and Safety Regulations.

.4 Province of Newfoundland and Labrador
- .1 Occupational Health and Safety Act, R.S.N. - Updated 2013.

.5 Transport Canada (TC)
- .1 Transportation of Dangerous Goods Act, 1992 (TDGA).

.6 Underwriters' Laboratories of Canada (ULC)

1.3 DEFINITIONS

.1 HEPA vacuum: High Efficiency Particulate Air filtered vacuum equipment with a filter system capable of collecting and retaining fibres greater than 0.3 microns in any direction at 99.97% efficiency.

.2 Authorized Visitors: Owner or designated representative.

.3 Polyethylene: polyethylene sheeting or rip-proof polyethylene sheeting with tape along edges, around penetrating objects over cuts and tears, and elsewhere as required to provide protection and isolation. For protection of underlying surfaces from damage and to prevent lead dust entering in clean area.

.4 Sprayer: garden reservoir type sprayer or airless spray equipment capable of producing mist or fine spray. Must be appropriate capacity for scope of work.

.5 Action level: employee exposure, without regard to use of respirators, to airborne concentration of lead of 50 micrograms per cubic metre of air (50 ug/m^3) calculated as 8-hour time-weighted average (TWA). Minimum precautions for lead abatement are based on airborne lead concentrations less than 0.05 milligrams per cubic metre of air for removal of lead based paint by methods noted in paragraph 1.1.

.6 Competent person: individuals capable of identifying existing lead hazards in workplace taking corrective measures to eliminate them.

.7 Lead dust: wipe sampling on vertical surfaces and/or horizontal surfaces, dust and debris is considered to be lead contaminated if it contains more than 131 micrograms of lead in dust per square metre.

1.4 ACTION AND INFORMATIONAL SUBMITTALS

.1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

.2 Provide proof satisfactory to Owner that suitable arrangements have been made to dispose of lead based paint waste in accordance with requirements of authority having jurisdiction.

.3 Provide proof of Contractor's General and Environmental Liability Insurance.

.4 Quality Control:
.1 Provide Owner the necessary permits for transportation and disposal of lead based paint waste and proof that lead based paint waste has been received and properly disposed of.
.2 Provide proof satisfactory to Owner that employees have had instruction on hazards of lead exposure, respirator use, dress, and aspects of work procedures and protective measures.

1.5 QUALITY ASSURANCE

.1 Regulatory Requirements: comply with Federal, Provincial, Territorial and local requirements pertaining to lead paint, provided that in case of conflict among those requirements or with these specifications more stringent requirement applies. Comply with regulations in effect at time work is performed.
.2 Health and Safety:
.1 Do construction occupational health and safety in accordance with Section 01 35 29.06 - Health and Safety Requirements.
.2 Half mask respirator: half-mask particulate respirator with N - series filter, and 95% efficiency could be provided.
.3 Eating, drinking, chewing, and smoking are not permitted in work area.
.4 Ensure workers wash hands and face when leaving work area. Facilities for washing are located as indicated on drawings.
.5 Visitor Protection:
.1 Provide approved respirators to Authorized Visitors to work areas.
.2 Instruct Authorized Visitors on procedures to be followed in entering and exiting work area.

1.6 WASTE MANAGEMENT AND DISPOSAL

.1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 – Construction/Demolition Waste Management and Disposal.
.2 Handle and dispose of hazardous materials in accordance with CEPA, TDGA, Regional and Municipal regulations.
.3 Disposal of lead waste generated by removal activities must comply with Federal, Provincial, Territorial and Municipal regulations. Dispose of lead waste in sealed double thickness 0.15 mm bags or leak proof drums. Label containers with appropriate warning labels.
.4 Provide manifests describing and listing waste created. Transport containers by approved means to licensed landfill for burial.

1.7 EXISTING CONDITIONS

.1 Reports and information pertaining to lead based paint to be handled, removed, or otherwise disturbed and disposed of during this Project are bound into this specification.
.2 Notify Owner of lead based paint discovered during Work and not apparent from drawings, specifications, or report pertaining to Work. Do not disturb such material until instructed by Owner.

1.8 SCHEDULING
.1 Not later than two (2) days before beginning Work on this Project notify following in writing:
.1 Provincial Department of Immigration, Population Growth and Skills.
.2 Disposal Authority.
.2 Hours of Work: perform work involving lead-based paint abatement outside of normal working hours. Include in the Contract amount any additional cost due to this requirement.
.3 Inform sub trades of presence of lead-containing materials identified in Existing Conditions.
.4 Provide Owner copy of notifications prior to start of Work.

1.9 PERSONNEL TRAINING

.1 Provide Owner satisfactory proof that every worker has had instruction and training in hazards of lead exposure, in personal hygiene, in aspects of work procedures, and in use, cleaning, and disposal of respirators.

.2 Instruction and training related to respirators includes, at minimum:
- .1 Proper fitting of equipment.
- .2 Inspection and maintenance of equipment.
- .3 Disinfecting of equipment.
- .4 Limitations of equipment.

.3 Instruction and training must be provided by competent, qualified person.

.4 Supervisory personnel to complete required training.

PART 2 PRODUCTS

2.5 MATERIALS

.1 Polyethylene 0.15 mm thick unless otherwise specified; in sheet size to minimize joints.

.2 Tape: fibreglass - reinforced duct tape suitable for sealing polyethylene under dry conditions and wet conditions using amended water.

.3 Slow-drying sealer: non-staining, clear, water - dispersible type that remains tacky on surface for at least eight (8) hours and designed for purpose of trapping residual lead paint residue.

.4 Lead waste containers: type acceptable to dump operator with tightly fitting covers and 0.15 mm thickness sealable polyethylene liners.

.5 Label containers with pre-printed bilingual cautionary “Warning Lead” clearly visible when ready for removal to disposal site.

PART 3 EXECUTION

3.5 SUPERVISION

.1 One Supervisor for every ten workers is required.

.2 Supervisor must remain within work area during disturbance, removal, or handling of lead based paints.

3.6 PREPARATION

.1 Remove and store items to be salvaged or reused as directed by Owner.
- .1 Protect and wrap items and transport and store in area specified by Owner.

.2 Work Area:
- .1 Shut off and isolate HVAC system to prevent dust dispersal into other building areas. Conduct smoke tests to ensure duct work is airtight.
- .2 Pre-clean fixed casework and equipment within work area, using HEPA vacuum and cover and seal with polyethylene sheeting and tape.
- .3 Clean work area using HEPA vacuum. If not practicable, use wet cleaning method. Do not raise dust.
- .4 Seal off openings with polyethylene sheeting and seal with tape.
- .5 Protect floor surfaces covered from wall to wall with polyethylene sheets.
- .6 Maintain emergency fire exits or establish alternatives satisfactory to Authority Having Jurisdiction.
- .7 Where water application is required for wetting lead containing materials, provide temporary water supply appropriately sized for application of water as required.
- .8 Provide electrical power and shut off for operation of powered tools and equipment. Provide

24 V safety lighting and ground fault interrupter circuits on power source for electrical tools, in accordance with applicable CSA Standard. Ensure safe installation of electrical cables and equipment.

.3 Do not start work until:

.1 Arrangements have been made for disposal of waste.

.2 Tools, equipment, and materials waste containers are on site.

.3 Arrangements have been made for building security.

.4 Notifications have been completed and preparatory steps have been taken.

3.7 LEAD ABATEMENT

.1 Removal of lead-containing coatings with a chemical gel or paste and fibrous laminated cloth wrap; or removal equipped with HEPA filters; or removal with using power tools non-powered hand tool, other than manual scraping and sanding.

.2 Remove lead based paint in small sections and pack as it is being removed in sealable 0.15 mm plastic bags and place in labelled containers for transport.

.3 Seal filled containers. Clean external surfaces thoroughly by wet sponging. Remove from immediate working area to staging area. Clean external surfaces thoroughly again by wet sponging. Wash containers thoroughly pending removal to outside. Ensure containers are removed by workers who have entered from uncontaminated areas dressed in clean coveralls.

.4 After completion of stripping work, wire brush and wet sponge surface from which lead based paint has been removed to remove visible material. During this work keep surfaces wet.

.5 After wire brushing and wet sponging to remove visible lead based paint, and after encapsulating lead containing material impossible to remove, wet clean entire work area, and equipment used in process. After inspection by Owner apply continuous coat of slow drying sealer to surfaces of work area. Do not disturb work area for eight (8) hours. No entry, activity, ventilation, or disturbance during this period.

3.8 INSPECTION

.1 Perform inspection to confirm compliance with specification and governing authority requirements. Deviations from these requirements not approved in writing by Owner will result in work stoppage, at no cost to Owner.

.2 Owner will inspect work for:

.1 Adherence to specific procedures and materials.

.2 Final cleanliness and completion.

.3 No additional costs will be allowed by Contractor for additional labour or materials required to provide specified performance level.

3.9 LEAD SURFACE SAMPLING - WORK AREAS

.1 Final lead surface sampling to be conducted as follows:

.1 After work area has passed a visual inspection for cleanliness approved and accepted by Owner. Apply coat of lock-down agent to surfaces within enclosure, and appropriate setting period of eight (8) hours has passed, Owner will perform lead wipe sampling.

.1 Final lead wipe sampling results from horizontal and vertical surfaces must show lead levels of less than 131 micrograms of lead in dust per square metre. Samples collected and analyzed in accordance with EPA 747-R-95-007.

.2 If wipe sampling results show levels of lead in excess of 131 micrograms per square metre, re-clean work area at contractor's expense and apply another acceptable coat of lock-down agent to surfaces.

.3 Repeat as necessary until fibre levels are less than 131 micrograms per square metre.

3.10 FINAL CLEANUP

.1 Following cleaning and when lead wipe surfaces sampling are below acceptable concentrations, proceed with final cleanup.

.2 Remove polyethylene sheet by rolling it away from walls to centre of work area. Vacuum visible lead containing particles observed during cleanup, immediately, using HEPA vacuum.

.3 Place polyethylene sheets, tape, cleaning material, clothing, and contaminated waste in plastic bags and sealed labelled waste containers for transport.

.4 Conduct final check to ensure no dust or debris remains on surfaces as result of dismantling operations.

3.11 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS

.1 Repair or replace objects damaged in course of work to their original state or better, as directed by Owner.

END OF SECTION

PART 1 - GENERAL

1.1 SUMMARY

.1 This Section defines correction to maximum dry density to take into account aggregate particles larger than 4.75 mm.

1.2 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition thereof.ASTM C127-88, Standard Test Method for Specific Gravity and Absorption of Coarse Aggregate.

.3 ASTM D698, Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft³) (600kN•m/m³).

.4 ASTM D1557, Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³).

.5 ASTM D4253, Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table.

1.3 DEFINITIONS

.1 Corrected maximum dry density is defined as:

.1 D =(D1xD2)(F1 x D2) + (F2 x D1)

.2 Where: D = corrected maximum dry density kg/m^3.

.1 F1 = fraction (decimal) of total field sample passing 4.75 mm sieve.

.2 F2 = fraction (decimal) of total field sample retained on 4.75 mm sieve (equal to 1.00 • F1)

.3 D1 = maximum dry density, kg/m3of material passing 4.75 mm sieve determined in accordance with Method A C of ASTM D698.

.4 D2 = bulk density, kg/m3, of material retained on 4.75 mm sieve, equal to 1000G where G is bulk specific gravity (dry basis) of material when tested to ASTM C127.

.3 For free draining aggregates, determine D1 (maximum dry density) to ASTM D4253, dry method when directed by Engineer/Architect.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION

PART 1 - GENERAL

1.1 RELATED SECTIONS

.1 Section 01 33 00 - Submittal Procedures.

.2 Section 31 23 10 - Excavating, Trenching and Backfilling

.3 Section 32 11 23 - Aggregate Base Courses

.4 Section 32 11 19 - Granular Sub-base

.5 Section 32 12 18 - Asphalt Paving for Building Sites

.6 Section 03 30 00 - Cast-in-Place Concrete.

1.2 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition thereof.

.2 American Society for Testing and Materials (ASTM International).

.1 ASTM D4791, Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate.

1.3 SOURCE QUALITY CONTROL

.1 Source of materials to be incorporated into work or stockpiles requires approval.

.2 Inform Engineer/Architect of proposed source of aggregates and provide access for sampling at least 4 weeks prior to commencing production.

.3 If, in opinion of Engineer/Architect, materials from proposed source do not meet, or cannot reasonably be processed to meet, specified requirements, locate an alternative source or demonstrate that material from source in question can be processed to meet specified requirements.

.4 Should a change of material source be proposed advise Engineer/Architect 4 weeks in advance of proposed change to allow sampling and testing.

.5 Acceptance of material at source does not preclude future rejection if it is subsequently found to lack uniformity, or if its field performance is found to be satisfactory.

1.4 SAMPLES

.1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

.2 Aggregate will be subject to continual sampling by Engineer/Architect during production.

.3 Provide Engineer/Architect with access to source and processed material for sampling and testing.

.4 Bear the cost of sampling and testing of aggregates which fail to meet specified requirements.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Aggregate quality: sound, hard, durable material free from soft, thin, elongated or laminated particles, organic material, clay lumps or minerals, or other substances that would act in deleterious manner for use intended.

.2 Flat and elongated particles of coarse aggregate: to ASTM D4791.

.1 Greatest dimension to exceed five times least dimension.

.3 Fine aggregates satisfying requirements of applicable section to be one, or blend of following:

.1 Natural sand.

.2 Manufactured sand.

.3 Screenings produced in crushing of quarried rock, boulders, gravel or slag.

.4 Coarse aggregates satisfying requirements of applicable section to be one of or blend of following:

.1 Crushed rock or slag.

.2 Gravel and crushed gravel composed of naturally formed particles of stone.

PART 3 - EXECUTION

3.1 TOPSOIL STRIPPING

.1 Do not handle topsoil while in wet or frozen condition or in any manner in which soil structure is adversely affected.

.2 Commence topsoil stripping of areas as indicated after area has been cleared and removed from site.

.3 Strip topsoil to depths as indicated. Avoid mixing topsoil with subsoil.

.4 Stockpile in locations as directed by Engineer/Architect. Stockpile height not to exceed 2.0 m.

3.2 DEVELOPMENT OF AGGREGATE SOURCE

.1 Contractor to produce aggregates off site.

.2 Contractor to develop aggregate source to prevent contamination of aggregates stockpiled.

3.3 PROCESSING

.1 Process aggregate uniformly using methods that prevent contamination, segregation and degradation.

.2 Blend aggregates, if required, to obtain gradation requirements, percentage of crushed particles, or particle shapes, as specified. Use methods and equipment approved by Engineer/Architect.

.3 Wash aggregates, if required to meet specifications. Use only equipment approved by Engineer /Architect.

.4 When operating in stratified deposits use excavation equipment and methods that produce uniform, homogeneous aggregate.

3.4 HANDLING

.1 Handle and transport aggregates to avoid segregation, contamination and degradation.

3.5 STOCKPILING

.1 Stockpile aggregates on site in locations as indicated unless directed otherwise by Engineer/Architect. Do not stockpile on completed pavement surfaces.

.2 Stockpile aggregates in sufficient quantities to meet Project schedules.

.3 Stockpiling sites to be level, well drained, and of adequate bearing capacity and stability to support stockpiled materials and handling equipment.

.4 Except where stockpiled on acceptably stabilized areas, provide compacted sand base not less than 300 mm in depth to prevent contamination of aggregate. Stockpile aggregates on ground but do not incorporate bottom 300 mm of pile into work.

.5 Separate different aggregates by strong, full depth bulkheads, or stockpile far enough apart to prevent intermixing.

.6 Do not use intermixed or contaminated materials. Remove and dispose of rejected materials as directed by Engineer/Architect within 48 h of rejection.

.7 Stockpile materials in uniform layers of thickness as follows:

.1 Max 1.0 m for coarse aggregate and base course materials.

.2 Max 2.0 m for fine aggregate and sub-base materials.

.3 Max 1.5 m for other materials.

.8 Complete each layer over entire stockpile area before beginning next layer.

.9 Uniformly spot-dump aggregates delivered to stockpile in trucks and build up stockpile as specified.

.10 Do not cone piles or spill material over edges of piles.

.11 Do not use conveying stackers.

.12 During winter operations, prevent ice and snow from becoming mixed into stockpile or in material being removed from stockpile.

3.6 CLEANING

.1 Leave aggregate stockpile site in tidy, well drained condition, free of standing surface water.

.2 Leave any unused aggregates in neat compact stockpiles as directed by Engineer/Architect.

END OF SECTION

PART 1 - GENERAL

1.1 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition thereof.

.2 ASTM D 698, Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400ft-lbf/ft³) (600kN-m/m³).

.3 CAN/CSA-A23.1, Concrete Materials and Methods of Concrete Construction.

1.2 SOIL REPORT

.1 Examine soil report available from Engineer/Architect.

1.3 REGULATIONS

.1 Shore and brace excavations, protect slopes and banks and perform all work in accordance with Provincial and Municipal regulations whichever is more stringent.

.2 Comply with Explosives Act of Canada R.S., c.E-15, s.1. Perform blasting in accordance with Provincial and Municipal regulations. Repair damage to approval of Engineer/Architect. No blasting will be permitted within 3 m of any building and where damage would result.

1.4 TESTS AND INSPECTIONS

.1 Testing of materials and compaction of backfill and fill will be carried out by testing laboratory designated by Engineer/Architect.

.2 Not later than one week before backfilling or filling, provide to designated testing agency, 23 kg sample of backfill for fill material proposed for use.

.3 Do not begin backfilling or filling operations until material has been approved for use by Engineer/Architect.

.4 Not later than 48 h ours before backfilling or filling with approved material, notify Engineer/Architect so that compaction tests can be carried out by designated testing agency.

.5 Before commencing work, conduct, with Engineer/Architect, condition survey of existing structures, trees and other plants, lawns, fencing, service poles, wires, rail tracks and paving, survey bench marks and monuments which may be affected by work.

1.5 BURIED SERVICES

.1 Before commencing work verify the location of all buried services on and adjacent to the site.

.2 Arrange with appropriate authority for relocation of buried services that interfere with execution of work. Pay costs of relocating services.

.3 Remove obsolete buried services within 2 m of foundations. Cap cut-offs.

1.6 PROTECTION

.1 Protect excavations from freezing.

.2 Keep excavations clean, free of standing water, and loose soil.

.3 Where soil is subject to significant volume change due to change in moisture content, cover and protect to Engineer/Architect's Consultants approval.

.4 Protect natural and man-made features required to remain undisturbed. Unless otherwise indicated or located in an area to be occupied by new construction, protect existing trees from damage.

.5 Protect buried services that are required to remain undisturbed.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Granular B-Type I, B-Type II, Select Subgrade to OPSS1010. Sand to OPSS1004.

.2 Crushed Granular to CCDG14.02.

.3 Unshrinkable fill: proportioned and mixed to provide:

.1 Maximum compressive strength of 0.4 MPa at 28 days.

.2 Maximum Portland cement content of 25 kg/m ^{3}.

.3 Minimum strength of 0.07 MPa at 24 h.

.4 Concrete aggregates: to CAN/CSA-A23.1,

.5 Portland cement: Type 10.

.6 Slump: 160 to 200 mm.

PART 3 - EXECUTION

3.1 CLEARING AND GRUBBING

.1 Remove trees, stumps, logs, brush, shrubs, bushes, vines, undergrowth, rotten wood, dead plant material, exposed boulders and debris within areas designated on drawings.

.2 Remove stumps and tree roots below footings, slabs, and paving, and to 600 mm below finished grade elsewhere.

.3 Dispose of cleared and grubbed material off site daily to disposal areas acceptable to authority having jurisdiction.

3.2 EXCAVATION

.1 Strip topsoil over areas to be covered by new construction, over areas where grade changes are required, and so that excavated material may be stockpiled without covering topsoil. Stockpile topsoil on site for later use.

.2 Excavate as required to carry out work, in all materials met. Do not disturb soil or rock below bearing surfaces. Notify Engineer/Architect when excavations are complete. If bearings are unsatisfactory, additional excavation will be authorized in writing and paid for as additional work. Excavation taken below depths shown without Engineer/Architect written authorization to be filled with concrete of same strength as for footings at Contractor's expense.

.3 Excavate trenches to provide uniform continuous bearing and support for 150 mm thickness of pipe bedding material on solid and undisturbed ground. Trench widths below point 150 mm above pipe not to exceed diameter of pipe plus 600 mm.

.4 Excavate for slabs and paving to subgrade levels. In addition, remove all topsoil, organic matter, debris and other loose and harmful matter encountered at subgrade level.

3.3 BACKFILLING

.1 Inspection: do not commence backfilling until fill material and spaces to be filled have been inspected and approved by Engineer/Architect.

.2 Remove snow, ice, construction debris, organic soil and standing water from spaces to be filled.

.3 Lateral support: maintain even levels of backfill around structures as work progresses, to equalize earth pressures.

.4 Compaction of subgrade: compact existing subgrade under walks, paving, and slabs on grade, to same compaction as specified for fill. Fill excavated areas with selected subgrade material or gravel and sand compacted as specified for fill.

.5 Placing:

.1 Place backfill, fill and base course material in 150 mm lifts. Add water as required to achieve specified density.

.6 Compaction: compact each layer of material to following densities for material to ASTM D698,

.1 To underside of base courses: 95%.

.2 Base courses: 100%.

.3 Elsewhere: 90%.

.7 In trenches:

.1 Up to 300 mm above pipe or conduit: sand placed by hand.

.2 Over 300 mm above pipe or conduit: native material approved by Engineer/Architect.

.8 Under seeded and sodded areas: use site excavated material to bottom of topsoil except in trenches and within 600 mm of foundations.

.9 Blown rock material, not capable of fine grading, is not acceptable, imported material must be placed on this type of material.

.10 Against foundations (except as applicable to trenches and under slabs and paving): excavated material or imported material with no stones larger than 200 mm diameter within 600 mm of structures.

.11 Underground tanks: use sand to bottom of granular base courses or to bottom of topsoil, as applicable.

3.4 GRADING

.1 Grade so that water will drain away from buildings, walls and paved areas, to catch basins and other disposal areas approved by the Engineer/Architect. Grade to be gradual between finished spot elevations shown on drawings.

3.5 SHORTAGE AND SURPLUS

.1 Supply all necessary fill to meet backfilling and grading requirements and with minimum and maximum rough grade variance.

.2 Dispose of surplus material off site.

END OF SECTION

PART 1- GENERAL

1.1 RELATED SECTIONS

.1 Section 01 33 00 - Submittal Procedures.

.2 Section 01 56 00 - Temporary Barriers and Enclosures.

.3 Section 01 35 43 - Environmental Procedures.

.4 Section 02 41 16 - Structure Demolition.

.5 Section 31 23 13 - Rough Grading.

.6 Section 31 23 17 - Rock Removal.

.7 Section 33 11 17 - Site Water Utility Distribution Piping.

.8 Section 33 31 13 - Public Sanitary Utility Sewerage Piping.

.9 Section 33 46 20 - Foundation and Underslab Drainage.

.10 Section 33 44 00 - Storm Utility Drains

.11 Section 31 05 17 - Aggregate Materials.

1.2 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition thereof.

.2 American Society for Testing and Materials (ASTM).

.1 ASTM C117, Standard Test Method for Material Finer Than 0.075 mm (No. 200) Sieve in Mineral Aggregates by Washing.

.2 ASTM C136, Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates.

.3 ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3) (600 kN-m/m^3).

.4 ASTM D1557, Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3) (2,700 kN-m/m^3).

.3 Canadian General Standards Board (CGSB).

.1 CAN/CGSB-8.1, Sieves, Testing, Woven Wire, Inch Series.

.2 CA/CGSB-8.2, Sieves, Testing, Woven Wire, Metric

.4 Canadian General Standards Association (CSA)

.1 CAN/CSA-A23.1, Concrete Materials and Methods of Concrete Construction.

1.3 DEFINITIONS

.1 Excavation classes: two classes of excavation will be recognized; common excavation and rock excavation.

.1 Rock excavation: excavation of material from solid masses of igneous, sedimentary or metamorphic rock which, prior to its removal, was integral with its parent mass, and boulders or rock fragments having individual volume in excess of 1 m3. Frozen material not classified as rock.

.2 Common excavation: excavation of materials of whatever nature, which are not included under definitions of rock excavation.

.2 Unclassified excavation: excavation of deposits of whatever character encountered in work.

.3 Topsoil: material capable of supporting good vegetative growth and suitable for use in top dressing, landscaping and seeding.

.4 Waste material: excavated material unsuitable for use in work or surplus to requirements.

.5 Borrow material: material obtained from locations outside area to be graded, and required for construction of fill areas or for other portions of work.

.6 Unsuitable materials:

.1 Weak and compressible materials under excavated areas.

.2 Frost susceptible materials under excavated areas.

.3 Frost susceptible materials:

.1 Fine grained soils with plasticity index less than 10 when tested to ASTM D4318, and gradation within limits specified when tested to ASTM D422 and ASTM C136: Sieve sizes to CAN/CGSB-8.1.

Sieve Designation	% Passing
2.00 mm	100
0.10 mm	45-100
0.02 mm	10-80
0.005 mm	0-45

.2 Coarse grained soils containing more than 20% by mass passing 0.075 mm sieve.

1.4 SUBMITTALS

.1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

.2 Inform Engineer/Architect at least 4 weeks prior to commencing work, of proposed source of fill materials and provide access for sampling.

.3 Submit 70 kg samples of type of fill specified including representative samples of excavated material.

.4 Ship samples as directed by Engineer/Architect in tightly closed containers to prevent contamination.

1.5 QUALITY ASSURANCE

.1 Submit design and supporting data at least 2 weeks prior to commencing work.

.2 Design and supporting data submitted to bear stamp and signature of qualified professional engineer registered or licensed in the province of Newfoundland and Labrador.

.3 Keep design and supporting data on site.

.4 Engage services of qualified professional engineer who is registered or licensed in Province of Newfoundland and Labrador to design and inspect cofferdams, shoring, bracing and underpinning required for work.

1.6 PROTECTION OF EXISTING FEATURES

.1 Protect existing features in accordance with Section 01 56 00 - Temporary Barriers and Enclosures and applicable local regulations.

.2 Existing buried utilities and structures:

.1 Size, depth and location of existing utilities and structures as indicated are for guidance only. Completeness and accuracy are not guaranteed.

.2 Prior to commencing excavation work, notify applicable Owner or authorities having jurisdiction, establish location and state of use of buried utilities and structures. Owners or authorities having jurisdiction to clearly mark such locations to prevent disturbance during work.

.3 Confirm locations of buried utilities by careful test excavations.

.4 Maintain and protect from damage, water, sewer, gas, electric, telephone and other utilities and structures encountered as indicated.

.5 Where utility lines or structures exist in area of excavation, obtain direction of Engineer/Architect before removing or re-routing.

.6 Record location of maintained, re-routed and abandoned underground lines.

.7 Confirm locations of recent excavations adjacent to area of excavation.

.3 Existing buildings and surface features:

.1 Conduct, with Engineer/Architect condition survey of existing buildings, trees and other plants, lawns, fencing, service poles, wires, rail tracks, pavement, survey bench marks and monuments which may be affected by work.

.2 Protect existing buildings and surface features from damage while work is in progress. In event of damage, immediately make repair to approval of Engineer/Architect.

.3 Where required for excavation, cut roots or branches as approved by Engineer/Architect.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 .1 Backfill Type 1 and Type 2 fill: properties to Section 31 05 17 - Aggregate Materials and the following requirements:

.1 Crushed, pit run or screened stone, gravel or sand.

.2 Gradations to be within limits specified when tested to ASTM C136 and ASTM C117. Sieve sizes to CAN/CGSB-8.1.

Sieve Designation	%Passing	
	Type1	Type2
75 mm	-	100
50 mm	-	-
37.5 mm	-	-
25 mm	100	-
19 mm	75-100	-
12.5 mm	-	-
9.5 mm	50-100	-
4.75 mm	30-70	22-85
2.00 mm	20-45	-
0.425 mm	10-25	5-30
0.180 mm	-	-
0.075 mm	3-8	0-10

.2 .2 Type 3 fill: selected material from excavation or other sources, approved by Engineer/Architect for use intended, unfrozen and free from rocks larger than 75 mm, cinders, ashes, sods, refuse or other deleterious materials.

PART 3 - EXECUTION

3.1 SITE PREPARATION

.1 Remove obstructions, ice and snow, from surfaces to be excavated within limits indicated.

3.2 STRIPPING OF TOPSOIL

.1 Commence topsoil stripping of areas as indicated by Engineer/Architect after area has been cleared of brush, weeds and grasses and removed from site.

.2 Strip topsoil to depths as indicated by Engineer/Architect. Do not mix topsoil with subsoil.

.3 Stockpile in locations as directed by Engineer/Architect. Stockpile height not to exceed 2 m.

.4 Dispose of unused topsoil as directed by Engineer/Architect.

3.3 STOCKPILING

.1 Stockpile fill materials in areas designated by Engineer/Architect. Stockpile granular materials in manner to prevent segregation.

.2 Protect fill materials from contamination.

3.4 COFFERDAMS, SHORING, BRACING AND UNDERPINNING

.1 Obtain permit from authority having jurisdiction for temporary diversion of water course.

.2 Construct temporary works to depths, heights and locations as indicated or approved by Engineer/Architect.

.3 During backfill operation:

.1 Unless otherwise as indicated or as directed by Engineer/Architect remove sheeting and shoring from excavations.

.2 Do not remove bracing until backfilling has reached respective levels of such bracing.

.3 Pull sheeting in increments that will ensure compacted backfill is maintained at an elevation at least 500 mm above toe of sheeting.

.4 When sheeting is required to remain in place, cut off tops at elevations as indicated.

.5 Upon completion of substructure construction:

.1 Remove cofferdams, shoring and bracing.

.2 Remove excess materials from site and restore water courses as indicated and as directed by Engineer/Architect.

3.5 DEWATERING AND HEAVE PREVENTION

.1 Keep excavations free of water while work is in progress.

.2 Submit for Engineer/Architect's review details of proposed dewatering or heave prevention methods, such as dikes, well points, and sheet pile cut-offs.

.3 Avoid excavation below groundwater table if quick condition or heave is likely to occur. Prevent piping or bottom heave of excavations by groundwater lowering, sheet pile cut-offs, or other means.

.4 Protect open excavations against flooding and damage due to surface run-off.

.5 Dispose of water in accordance with Section 01 35 43 - Environmental Procedures and in manner not detrimental to public and private property, or any portion of work completed or under construction.

.6 Provide flocculation tanks, settling basins, or other treatment facilities to remove suspended solids or other materials before discharging to storm sewers, water courses or drainage areas.

3.6 EXCAVATION

.1 Excavate to lines, grades, elevations and dimensions as indicated by Engineer/Architect.

.2 Remove concrete, masonry, paving, walks, demolished foundations and rubble and other obstructions encountered during excavation in accordance with Section 02 41 23 – Selective Site Demolition and Removal.

.3 Excavation must not interfere with bearing capacity of adjacent foundations.

.4 Do not disturb soil within branch spread of trees or shrubs that are to remain. If excavating through roots, excavate by hand and cut roots with sharp axe or saw.

.5 For trench excavation, unless otherwise authorized by Engineer/Architect in writing, do not excavate more than 30 m of trench in advance of installation operations and do not leave open more than 15 m at end of day's operation.

.6 Keep excavated and stockpiled materials a safe distance away from edge of trench as directed by Engineer/Architect.

.7 Restrict vehicle operations directly adjacent to open trenches.

.8 Dispose of surplus and unsuitable excavated material off site.

.9 Do not obstruct flow of surface drainage or natural watercourses.

.10 Earth bottoms of excavations to be undisturbed soil, level, free from loose, soft or organic matter.

.11 Notify Engineer/Architect when bottom of excavation is reached.

.12 Obtain Engineer/Architect approval of completed excavation.

.13 Remove unsuitable material from trench bottom to extent and depth as directed by Engineer/Architect.

.14 Correct unauthorized over-excavation as follows:

.1 Fill under bearing surfaces and footings with concrete specified for footings.

.2 Fill under other areas with Type 2 fill compacted to not less than 95% of corrected maximum dry density.

.15 Hand trim, make firm and remove loose material and debris from excavations. Where material at bottom of excavation is disturbed, compact foundation soil to density at least equal to undisturbed soil. Clean out rock seams and fill with concrete mortar or grout to approval of Engineer/Architect.

3.7 FILL TYPES AND COMPACTION

.1 Use fill of types as indicated or specified below. Compaction densities are percentages of maximum densities obtained from ASTM D698 corrected maximum dry density.

.1 Exterior side of perimeter walls: use Type 3 fill to subgrade level. Compact to 95%.

.2 Within building area: use Type 2 to underside of base course for floor slabs. Compact to 98%.

.3 Under concrete slabs: provide 150 mm compacted thickness base course of Type 1 fill to underside of slab. Compact base course to 100%.

.4 Retaining walls: use Type 2 fill to subgrade level on high side for minimum 500 mm from wall and compact to 95%. For remaining portion, use Type 3 fill compacted to 95%.

.5 To correct over excavation in trenches: use Type 2 fill to underside of sand bedding compacted to 95%.

3.8 BEDDING AND SURROUND OF UNDERGROUND SERVICES

.1 Place and compact granular material for bedding and surround of underground services as indicated.

.2 Place bedding and surround material in unfrozen condition.

3.9 BACKFILLING

.1 Vibratory compaction equipment: approved by Engineer/Architect.

.2 Do not proceed with backfilling operations until Engineer/Architect has inspected and approved installations.

.3 Areas to be backfilled to be free from debris, snow, ice, water and frozen ground.

.4 Do not use backfill material which is frozen or contains ice, snow or debris.

.5 Place backfill material in uniform layers not exceeding 150 mm compacted thickness up to grades indicated. Compact each layer before placing succeeding layer.

.6 Backfill around installations.

.1 Place bedding and surround material as specified elsewhere.

.2 Do not backfill around or over cast-in-place concrete within 24 hours after placing of concrete.

.3 Place layers simultaneously on both sides of installed work to equalize loading. Difference not to exceed 600 mm.

.4 Where temporary unbalanced earth pressures are liable to develop on walls or other structures.

.1 Permit concrete to cure for minimum 14 days or until it has sufficient strength to withstand earth and compaction pressure, and approval obtained from Engineer/Architect, or

.2 If approved by Engineer/Architect, erect bracing or shoring to counteract unbalance, and leave in place until removal is approved by Engineer/Architect.

3.10 RESTORATION

.1 Upon completion of work, remove waste materials and debris, trim slopes, and correct defects as directed by Engineer/Architect.

.2 Replace topsoil as indicated by Engineer/Architect.

.3 Reinstate lawns to elevation which existed before excavation.

.4 Reinstate pavement and sidewalks distributed by excavation to thickness, structure, and elevation which existed before excavation.

.5 Clean and reinstate areas affected by work as directed by Engineer/Architect.

.6 Use temporary plating to support traffic loads over unshrinkable fill for initial 24 h.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED SECTIONS

.1 Section 31 11 00 - Clearing and Grubbing.

.2 Section 31 23 10 - Excavation, Trenching and Backfilling.

.3 Section 31 23 17 - Rock Removal.

1.2 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition t h e r e o f .

.2 ASTM D698-91, Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (600kN-m/m³),

1.3 EXISTING CONDITIONS

.1 Examine subsurface investigation report which is available for inspection from Engineer/Architect.

.2 Known underground and surface utility lines and buried objects are as indicated on site plan.

.3 Refer to dewatering in Section 31 23 10 - Excavating Trenching and Backfilling.

1.4 PROTECTION

.1 Protect and/or transplant existing fencing trees, landscaping, natural features, bench marks, buildings, pavement, surface or underground utility lines which are to remain as directed by Engineer/Architect. If damaged, restore to original or better condition unless directed otherwise.

.2 Maintain access roads to prevent accumulation of construction related debris on roads.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Fill material: Type 3 in accordance with of Section 31 23 10 - Excavating, Trenching and Backfilling.

.2 Excavated or graded material existing on site may be suitable to use as fill for grading work if approved by Engineer/Architect.

PART 3 EXECUTION

3.1 STRIPPING OF TOPSOIL

.1 Do not handle topsoil while in wet or frozen condition or in any manner in which soil structure is adversely affected as determined by Engineer/Architect.

.2 Commence topsoil stripping of areas as indicated after area has been cleared of brush, weeds and grasses and removed from site.

.3 Strip topsoil to depths as indicated. Avoid mixing topsoil with subsoil.

.4 Stockpile in locations as directed by Engineer/Architect. Stockpile height not to exceed 2 m.

.5 Dispose of unused topsoil as directed by Engineer/Architect.

3.2 GRADING

.1 Rough grade to levels, profiles, and contours allowing for surface treatment as indicated.

.2 Rough grade to following depths below finish grades:

.1 250mm for concrete slabs and walks precast paving units.

.3 Slope rough grade away from building 1:50 minimum.

.4 Grade ditches to depth as indicated.

.5 Prior to placing fill over existing ground, scarify surface to depth of 150 mm. Maintain fill and existing surface at approximately same moisture content to facilitate bonding.

.6 Compact filled and disturbed areas to corrected maximum dry density to ASTM D698, as follows:

.1 85% under landscaped areas.

.2 95% under paved and walk areas.

.7 Do not disturb soil within branch spread of trees or shrubs to remain.

3.3 TESTING

.1 Inspection and testing of soil compaction will be carried out by testing laboratory designated by Engineer/Architect. Refer to Sections 01 29 83 - Payment Procedures for Testing Laboratory Services and 01 45 00 – Quality Control.

.2 Submit testing procedure, frequency of tests, to Engineer/Architect for approval.

3.4 SURPLUS MATERIAL

.1 Remove surplus material and material unsuitable for fill, grading or landscaping as directed by Engineer/Architect.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED SECTIONS

.1 Section 31 23 10 - Excavating, Trenching and Backfilling.

.2 Section 31 05 17 - Aggregate Materials.

.3 Section 32 11 23 - Aggregate Base Courses.

1.2 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition thereof.

.2 American Society for Testing and Materials (ASTM).

.1 ASTM C117, Standard Test Method for Material Finer Than 0.075 mm Sieve in Mineral Aggregates by Washing.

.2 ASTM C136, Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates.

.3 ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3) (600 kN-m/m^3).

.4 ASTM D1557, Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3) (2,700 kN-m/m^3).

.5 ASTM D4318, Standard Test Methods for Liquid Unit, Plastic Unit and Plasticity Index of Soils.

.3 Canadian General Standards Board (CGSB).

.1 CAN/CGSB-8.1, Sieves, Testing, Woven Wire, Inch series.

.2 CAN/CGSB-8.2, Sieves, Testing, Woven Wire, Metric.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Granular sub-base material to Section 31 05 17 – Aggregate Materials and following requirements:

.1 Crushed pit run or screened stone, gravel or sand.

.2 Granulations to be within limits specified when tested to ASTM C136 and ASTM C117 - sieve sizes to CAN/CGSB-8.1.

.1 Granulation to:

Sieve Designation	% Passing (Base Type 2)
100 mm	-
75 mm	-
50 mm	100
37.5 mm	-
25 mm	60-100
19 mm	-
12.5 mm	38-70
9.5 mm	-
4.75 mm	25-55
2.00 mm	13-42
0.425 mm	5-28
0.180 mm	-
0.075 mm	2-10

.3 Other properties as follows:

.1 Liquid limit: to ASTM D4318, maximum 25

.2 Plasticity index: to ASTM D4318, maximum 6

PART 3 - EXECUTION

3.1 PLACING

.1 Place granular sub-base after subgrade is inspected and approved by Engineer/Architect.

.2 Construct granular sub-base to depth and grade in areas indicated.

.3 Ensure no frozen material is placed.

.4 Place material only on clean unfrozen surface, free from snow or ice.

.5 Place granular sub-base materials using methods which do not lead to segregation or degradation.

.6 Place material to full width in uniform layers not exceeding 150 mm compacted thickness. Engineer/Architect may authorize thicker lifts (layers) if specified compaction can be achieved.

.7 Shape each layer to smooth contour and compact to specified density before succeeding layer is placed.

.8 Remove and replace portion of layer in which material has become segregated during spreading.

3.2 COMPACTION

.1 Compaction equipment to be capable of obtaining required material densities.

.2 Compact to density of not less than 98% corrected maximum dry density ASTM D698.

.3 Shape and roll alternately to obtain smooth, even and uniformly compacted sub-base.

.4 Apply water as necessary during compaction to obtain specified density.

.5 In areas not accessible to rolling equipment, compact to specified density with mechanical tampers approved by Engineer/Architect.

.6 Correct surface irregularities by loosening and adding or removing material until surface is within specified tolerance.

3.3 SITE TOLERANCES

.1 Finished sub-base surface to be within 10 mm of elevation as indicated but not uniformly high or low.

3.4 PROTECTION

.1 Maintain finished sub-base in condition conforming to this section until succeeding base is constructed, or until granular sub-base is accepted by Engineer/Architect.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED SECTIONS

.1 Section 31 05 17 - Aggregate Materials

.2 Section 32 11 19 - Granular Sub-base.

1.2 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition thereof.

.2 American Society for Testing and Materials (ASTM).

.1 ASTM C117, Standard Test Method for Material Finer Than 0.075 mm Sieve in Mineral Aggregates by Washing.

.2 ASTM C136, Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles M a c h i n e .

.3 ASTM D136, Standard Test Method for Sieve Analysis of Fine and Course Aggregated.

.4 ASTM D698, Stand Test Methods for Laboratory Compaction Characteristics of Soil Using standard Effort (12,400 ft-lbf/ft^3)1557•00, (2,700 kN-m/m^3).

.5 ASTM D1557, Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3) (2,700 kN-m/m^3).

.6 ASTTM D 1883, Standard Test Method of CBR (California Bearing Ratio) of Laboratory Compacted Soil.

.7 ASTM D4318, Standard Test Methods for Liquid Unit, Plastic Unit and Plasticity Index of Soils.

.3 Canadian General Standards Board (CGSB)

.1 CAN/CGSB-8.1, Sieves, Testing, Woven-Wire, Inch Series.

.2 CAN/CGSB-8.2, Sieves, Testing, Woven Wire, Metric.

1.3 DELIVERY, STORAGE, AND HANDLING

.1 Deliver and stockpile aggregates in accordance with Section 31 05 17 - Aggregate Materials. Stockpile minimum 50% of total aggregate required prior to commencing operation.

.2 Store cement in weathertight bins or silos that provide protection from dampness and easy access for inspection and identification of each shipment.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Granular base: material to Section 31 05 17 - Aggregate Materials and the following requirements:

.1 Crushed stone or gravel.

.2 Granulations to be within limits specified when tested to ASTM C136 and ASTM C117. Sieve sizes to CAN/CGSB-8.1.

.1 Granulation to:

Sieve Designation		% Passing (Base Type 1)
100	mm	-
75	mm	-
50	mm	-
37.5	mm	-
25	mm	-
19	mm	100
12.5	mm	70-100
9.5	mm	-
4.75	mm	40-70
2.00	mm	23-50
0.425	mm	7-25
0.180	mm	-
0.075	mm	3-8

.3 .Liquid limit: to ASTM D4318, maximum 25

.4 Plasticity index: to ASTM D4318 maximum 6

.5 Los Angeles degranulation: to ASTM C131. Maximum % loss by weight 45.

.6 Crushed particles: at least 60% of particles by mass within each of following sieve designation ranges to have at least 1 (one) freshly fractured face. Materials to be divided into ranges using methods of ASTM C136.

Passing		Retained on	
50 mm	to	25	mm
25 mm	to	19	mm
19 mm	to	4.75	mm

.7 Soaked CBR to ASTMD1833, min 100 when compacted to 100% of ASTM D1557.

PART 3 - EXECUTION

3.1 SEQUENCE OF OPERATION

.1 Place granular base after granular sub base surface is inspected and approved by Engineer/Architect.

.1 Construct granular base to depth and grade in areas indicated.

.2 Ensure no frozen material is placed.

.3 Place material only on clean unfrozen surface, free from snow and ice. slope.

.4 Place material using methods which do not lead to segregation or degradation of aggregate.

.5 Place material to full width in uniform layers not exceeding 150 mm compacted thickness. Engineer/Architect may authorize thicker lifts (layers) if specified compaction can be achieved.

.6 Shape each layer to smooth contour and compact to specified density before succeeding layer is placed.

.7 Remove and replace that portion of layer in which material becomes segregated during spreading.

.2 Compaction Equipment

.1 Compaction equipment to be capable of obtaining required material densities.

.3 Compacting

.1 Compact to density not less than 100% corrected maximum dry density ASTM D698

.2 Shape and roll alternately to obtain smooth, even and uniformly compacted base.

.3 Apply water as necessary during compacting to obtain specified density.

.4 In areas not accessible to rolling equipment, compact to specified density with mechanical tampers approved by Engineer/Architect.

.5 Correct surface irregularities by loosening and adding or removing material until surface is within specified tolerance.

3.2 SITE TOLERANCES

.1 Finished base surface to be within plus or minus 10 mm of established grade and cross section but not uniformly high or low.

3.3 PROTECTION

.1 Maintain finished base in condition conforming to this section until succeeding material is applied or until acceptance by Engineer/Architect.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED SECTIONS

.1 Section 31 23 10 - Excavating, Trenching and Backfilling.

.2 Section 32 11 23 - Aggregate Base Course.

.3 Section 32 12 18 - Asphalt Paving for Building Sites.

.4 Section 03 10 00 - Concrete Forming and Accessories.

.5 Section 03 20 00 - Concrete Reinforcing.

.6 Section 03 30 00 - Cast-in-Place Concrete.

1.2 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition thereof.

.2 Canadian Standards Association (CSA).

.1 CAN/CSA-A23.1/A23.2, Concrete Materials and Methods of Concrete Construction/Methods of Test for Concrete.

.3 Canadian General Standards Board (CGSB).

.1 CAN/CGSB-1.2, Boiled Linseed Oil.

.2 CAN/CGSB-3.3, Kerosene.

.4 American Society for Testing and Materials (ASTM).

.1 ASTM D698, Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400ft•lbf/ft^3) (600kN•m/m^3).

1.3 TESTING

.1 Testing of concrete to CAN3•A23.1•M94 and requirements of Section 03 30 00 - Cast-in-Place Concrete.

1.4 ENVIRONMENTAL CONDITIONS

.1 If temperature is below 5°C or if Engineer/Architect anticipates a temperature drop below this value within the next 24 hours, take all necessary measures to protect concrete from freezing.

.2 Do not place concrete on frozen base.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Concrete mixes and materials: to Section 03 30 00 - Cast-in-Place Concrete mix designed to produce a minimum compressive strength at 28 days of 25 MPa and containing 19mm maximum size, 6mm minimum size course aggregate, with water/cement ratio to CAN3-A23.1-M94, Table 7 for Class A exposure and 60mm slump at time and point of deposit, air entrainment to CAN3-A23.1-M94, Table 8.

.2 Reinforcing steel: to Section 03 20 00 - Concrete Reinforcing

.3 Joint filler to Section 03 30 00 – Cast-in-Place Concrete and to ASTM D1751-73 (1978), 20 mm performed, non-extruding, resilient bituminous type.

.4 Granular base: to Section 32 11 23 - Aggregate Base Courses and to Section 31 23 10 - Excavating, Trenching and Backfilling.

.5 Non-staining mineral type form release agent: chemically active release agents containing compounds that react with free lime to provide water soluble soap.

.6 Fill material: to Section 31 23 10 - Excavating, Trenching and Backfilling.

.7 Clear, polyethylene film to ASTM C171, minimum thickness 0.10 mm.

PART 3 - EXECUTION

3.1 GRADE PREPARATION

.1 Do grade preparation work in accordance with Section 31 23 10 - Excavating, Trenching and Backfilling.

.2 Construct embankments using excavated material free from organic matter or other objectionable materials. Dispose of surplus and unsuitable excavated material off site.

.3 Place fill in maximum 150 mm layers and compact to at least 95% of maximum density to ASTM D698.

.4 Ensure that Sub Grade, Granular Sub Base and Granular Base preparation has been inspected and approved by Engineer/Architect before commencing work.

3.2 GRANULAR SUB- BASE

.1 Obtain Engineer's/Architect's approval of subgrade before placing granular sub- base.

.2 Place granular base material to lines, widths, and depths as indicated.

.3 Compact granular sub base to at least 100% of maximum dry density to ASTM D698.

3.3 FORMING

.1 Form vertical surfaces to full depth using forming material that will not deform under loading by plastic concrete.

.2 Securely position forms to required lines and grades.

.3 Coat forms with form release agent.

.4 Obtain approval of forms before placing concrete.

.5 Install metal fabrication as required.

3.4 CONCRETE

.1 Obtain Engineer's/Architect's approval of granular base and reinforcing steel prior to placing concrete.

.2 Do concrete work in accordance with Section 03 30 00 - Cast-in-Place Concrete.

.3 Finish exposed surface to a smooth, uniform finish, free of open texturing and exposed aggregate. Do not work more mortar to the surface that required. Do not use neat cement as a dryer to facilitate finishing.

.4 Wood float finish surface to provide no-skid texture.

.5 Immediately after floating, give sidewalk surface uniform finish to produce regular corrugations not exceeding 2 mm deep, by drawing broom in direction normal to centre line.

.6 Provide edging as indicated with 10 mm radius edging tool.

.7 Cure and protect concrete in accordance with CAN3-A23.1-M77.

3.5 TOLERANCES

.1 Finish surfaces to within 3mm in 3m as measured with 3m straightedge placed on surface.

3.6 EXPANSION AND CONTRACTION JOINTS

.1 Install tooled transverse contraction joints after floating, when concrete is stiff, but still plastic, at intervals of 1.5 m.

.2 Install expansion joints at intervals of 6 m.

.3 Install expansion joints around manholes and catch basins and along length adjacent to concrete curbs, catch basins, buildings, or permanent structure.

.4 When sidewalk is adjacent to curb, make joints of curb, gutters and sidewalk coincide.

.5 Install joint filler in expansion joints as indicated.

3.7 ISOLATION JOINTS

.1 Install isolation joints around manholes and catch basins and along length adjacent to concrete curbs, catch basins, buildings, or permanent structure.

.2 Install joint filler in isolation joints as indicated.

3.8 CURING

.1 Cure concrete by adding moisture continuously in accordance with CAN/CSA-A23.1, to exposed finished surfaces for at least 1 day after placing.

.2 Where polyethylene sheets are used for moist curing, place polyethylene over sufficiently hardened concrete to prevent drainage. Overlap adjacent edges 150 mm and tightly seal with sand or wood planks. Weigh sheets down to maintain close contact with concrete during the entire curing period.

.3 Where burlap is used for moist curing, place two pre-wetted layers on concrete surface and keep continuously wet during curing period.

3.9 BACKFILL

.1 Allow concrete to cure for 7 days prior to backfilling.

.2 Backfill to designated elevations with material approved by Engineer/Architect. Compact and shape to required contours as indicated or as directed by Engineer/Architect.

END OF SECTION

PART 1- GENERAL

1.1 SECTION INCLUDES

.1 Materials and installation for constructing new outfall structures, precast and cast-in-place manholes and catch basins.

1.2 RELATED SECTIONS

.1 Section 01 33 00 - Submittal Procedures.

.2 Section 31 23 10 - Excavation, Trenching and Backfilling.

.3 Section 33 31 13 – Public Sanitary Utility Sewerage Piping

.4 Section 33 44 00 – Storm Utility Drains

.5 Section 31 05 17 – Aggregate Materials

.6 Section 03 30 00 – Cast-in-Place Concrete.

1.3 REFERENCES

.1 Codes and standards referenced in this section refers to the latest edition t h e r e o f .

.2 American Society for Testing and Materials (ASTM International).

.1 ASTM A48/A48M, Standard Specification for Gray Iron Castings.

.2 ASTM C139, Specification for Concrete Masonry Units for Construction of Catch Basins and Manholes.

.3 ASTM C478M, Specification for Precast Reinforced Concrete Manhole Sections Metric.

.3 Canadian General Standards Board (CGSB).

.1 CAN/CGSB-8.1, Sieves, Testing, Woven Wire, Inch Series.

.2 CAN/CGSB-8.2, Sieves, Testing, Woven Wire, Metric.

.4 Canadian Standards Association (CSA International).

.1 CSA•A23.1/A23.2, Concrete Materials and Methods of Concrete Construction/Methods of Test for Concrete.

.2 CAN/CSA-G30.18-M92, Billet Steel Bars for Concrete Reinforcement.

.3 CAN/CSA-G164, Hot Dip Galvanizing of Irregularly Shaped Articles.

1.4 SUBMITTALS

.1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.

.2 Submit manufacturer's test data and certification at least 4 weeks prior to beginning Work. Include manufacturer's drawings, information and shop drawings where pertinent.

1.5 SCHEDULING OF WORK

.1 Schedule work to minimize interruptions to existing services and to maintain existing flow during construction.

.2 Submit schedule of expected interruptions for approval and adhere to approved schedule.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Cast-in-place concrete: to Section 03 30 00 – Cast-in-Place Concrete.

.2 Concrete reinforcement: to Section 03 20 00 - Concrete Reinforcing.

.3 Precast manhole units: to ASTM C478M, circular or oval. Top sections eccentric cone or flat slab top type with opening offset for vertical ladder installation.

.4 Precast catch basin sections: to ASTM C478M.

.5 Joints: to be made watertight using rubber rings.

.6 Mortar:

.1 Aggregate: to CSA A82.56.

.2 Cement: to CAN/CSA-A8.

.7 Ladder rungs: to CAN/CSA-G30.18, No.25M billet steel deformed bars, hot dipped galvanized to CAN/CSA-G164. Rungs to be safety pattern (drop step type).

.8 Adjusting rings: to ASTM C478M.

.9 Concrete Brick: to CAN3-A165 Series.

.10 Drop manhole pipe: to be same as sewer pipe.

.11 Steel gratings, I-beams and fasteners: as indicated.

.12 Frames, gratings, covers to dimensions as indicated and following requirements:

.1 Metal gratings and covers to bear evenly on frames. A frame with grating or cover to constitute one unit. Assemble and mark unit components before shipment.

.2 Gray iron castings: to ASTM A48/A48M, strength class 30B.

.3 Castings: coated with two applications of asphalt varnish or cleaned and ground to eliminate surface imperfections.

.4 Manhole frames and covers: heavy duty municipal type for road service; Cover cast without perforations and complete with two 25 mm square lifting holes.

.13 Granular bedding and backfill: in accordance with Section 31 05 17 - Aggregate Materials and following requirements:

.1 Crushed screed stone, gravel or sand.

.2 Granulations to be within limits specified when tested to ASTM C136. Sieve sizes to CAN/CGSB-8.1.

.3 TABLE

Sieve Designation	% Passing Stone/Gravel	Gravel/Sand
200 mm	-	-
75 mm	-	-
50 mm	-	-
38.1 mm	-	-
25 mm	100	-
19 mm	-	-
12.5 mm	65-90	100
9.5 mm	-	-
4.75 mm	35-55	50-100
2.00 mm	-	30-90
0.425 mm	10-25	10-50
0.180 mm	-	-
0.075 mm	0-8	0-10

.4 Concrete mixes and materials: in accordance with Section 03 30 00 - Cast-in-Place Concrete.

PART 3 - EXECUTION

3.1 EXCAVATION AND BACKFILL

.1 Excavate and backfill in accordance with Section 31 23 10 - Excavating, Trenching and Backfilling and as indicated.

.2 Obtain approval of Engineer/Architect before installing, manholes or catch basins.

3.2 CONCRETE WORK

.1 Do concrete work in accordance with Section 03 30 00 – Cast-in-Place Concrete.

.2 Position metal inserts in accordance with dimensions and details as indicated.

3.3 INSTALLATION

.1 Construct units in accordance with details indicated, plumb and true to alignment and grade.

.2 Complete units as pipe laying progresses. Maximum of three units behind point of pipe laying will be allowed.

.3 Dewater excavation to approval of Engineer/Architect and remove soft and foreign material before placing concrete base.

.4 Set precast concrete base on 150 mm minimum of granular bedding compacted to 100% corrected maximum dry density.

.5 Precast units:

.1 Set bottom section of precast unit in bed of cement mortar and bond to concrete slab or base. Make each successive joint watertight with Engineer/Architect approved rubber ring gaskets, bituminous compound, cement mortar, epoxy resin cement, or combination thereof.

.2 Clean surplus mortar and joint compounds from interior surface of unit as work progresses.

.3 Plug lifting holes with precast concrete plugs set in cement mortar or mastic compound.

.6 Compact granular backfill to 95% corrected maximum dry density.

.7 Place unshrinkable backfill in accordance with Section 31 23 10 - Excavating, Trenching and Backfill.

.8 Set frame and cover to required elevation on no more than 4 courses of brick. Make brick joints and join brick to frame with cement mortar. Parge and make smooth and watertight.

.9 Place frame and cover on top section to elevation as indicated. If adjustment required use concrete ring.

.10 Clean units of debris and foreign materials. Remove fins and sharp projections. Prevent debris from entering system.

.11 Install safety platforms in manholes having depth of 5 m or greater, as indicated.

3.4 LEAKAGE TEST

.1 Install watertight plugs or seals on inlets and outlets of each new manhole and fill manhole with water. Leakage not to exceed 0.3% per hour of volume of manhole.

.2 If permissible leakage is exceeded, correct defects. Repeat until approved by Engineer/Architect.

.3 Engineer/Architect will issue Test Certificate for each manhole passing test.

.4 Provide copy certification of leakage test acceptance to Engineer/Architect. Include certification in Commissioning Manual.

END OF SECTION

Memorial University of Newfoundland

COUGHLAN COLLEGE

BUILDING DEMOLITION

CP-1

ST. JOHN'S CAMPUS

OCTOBER 6, 2025

ISSUED FOR TENDER

LIST OF DRAWINGS

C SERIES DRAWINGS - CIVIL

C-0 AERIAL VIEWS
C-0.1 SITE ACCESS AND HOARDING PLAN
C-1.0 SITE DEMOLITION PLAN
C-2.0 SITE REINSTATEMENT PLAN
C-3.0 SITE DETAILS

D SERIES DRAWINGS - DEMOLITION

D-1.0 GENERAL NOTES AND ABBREVIATIONS
D-2.0 DEMOLITION PLAN LEVEL 1 SOUTH WING
D-2.1 DEMOLITION PLAN LEVEL 1 NORTH WING
D-2.2 DEMOLITION PLAN LEVEL 2 SOUTH WING
D-2.3 DEMOLITION PLANS LEVELS 2,3, & 4 NORTH WING
D-2.4 DEMOLITION PLAN ROOF SOUTH WING
D-2.5 DEMOLITION PLAN ROOF NORTH WING
D-3.0 DEMOLITION ELEVATIONS BLOCK A
D-3.1 DEMOLITION ELEVATIONS BLOCKS A&C
D-3.2 DEMOLITION ELEVATIONS BLOCKS A, B, &C
D-3.3 DEMOLITION ELEVATIONS BLOCKS A, B, &C

1.3 SD SERIES DRAWINGS - STRUCTURAL DEMOLITION

SD-1.0 STRUCTURAL FOOTING PLAN BLOCKS A & B
SD-1.1 STRUCTURAL FOOTING PLAN BLOCK C
SD-1.2 STRUCTURAL REINFORCED CONCRETE DETAILS
SD-1.3 STRUCTURAL LEVEL 2 & ROOF STEEL PLANS BLOCKS A & B
SD-1.4 STRUCTURAL ROOF STEEL PLAN BLOCKS A & B
SD-1.5 STRUCTURAL LEVELS 2 & 3 STEEL PLANS BLOCK C
SD-1.6 STRUCTURAL LEVEL 4 & ROOF STEEL PLANS BLOCK C

CL-510-25 CP-1 ISSUED FOR TENDER

This University was raised by the people of Newfoundland as a memorial to the fallen in the great wars, 1914-1918, 1939-1945, that in freedom of learning, their cause and sacrifice might not be forgotten.

- Dedication plaque, Arts & Administration Building, St. John's Campus

MEMORIAL UNIVERSITY

FACILITIES MANAGEMENT



AERIAL VIEW – NORTH WEST

SCALE: N.T.S

5 C-0



AERIAL VIEW

SCALE: N.T.S

2 C-0



AERIAL VIEW – NORTH EAST

SCALE: N.T.S

4 C-0



AERIAL VIEW – SOUTH WEST

SCALE: N.T.S

3 C-0



AERIAL VIEW – SOUTH EAST

SCALE: N.T.S

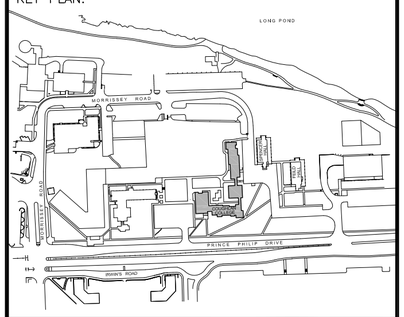
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No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

1. DRAWINGS TO BE READ AS A SET.
2. DO NOT SCALE FROM DRAWINGS.
3. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS. PRIOR TO SUBMISSION OF TENDERS.
4. ALL DISCREPANCIES FOUND IN THESE DRAWINGS TO BE BROUGHT TO THE ATTENTION OF FACILITIES MANAGEMENT PRIOR TO SUBMISSION OF TENDERS.

KEY PLAN:



MEMORIAL UNIVERSITY

FACILITIES MANAGEMENT

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- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

AERIAL VIEWS

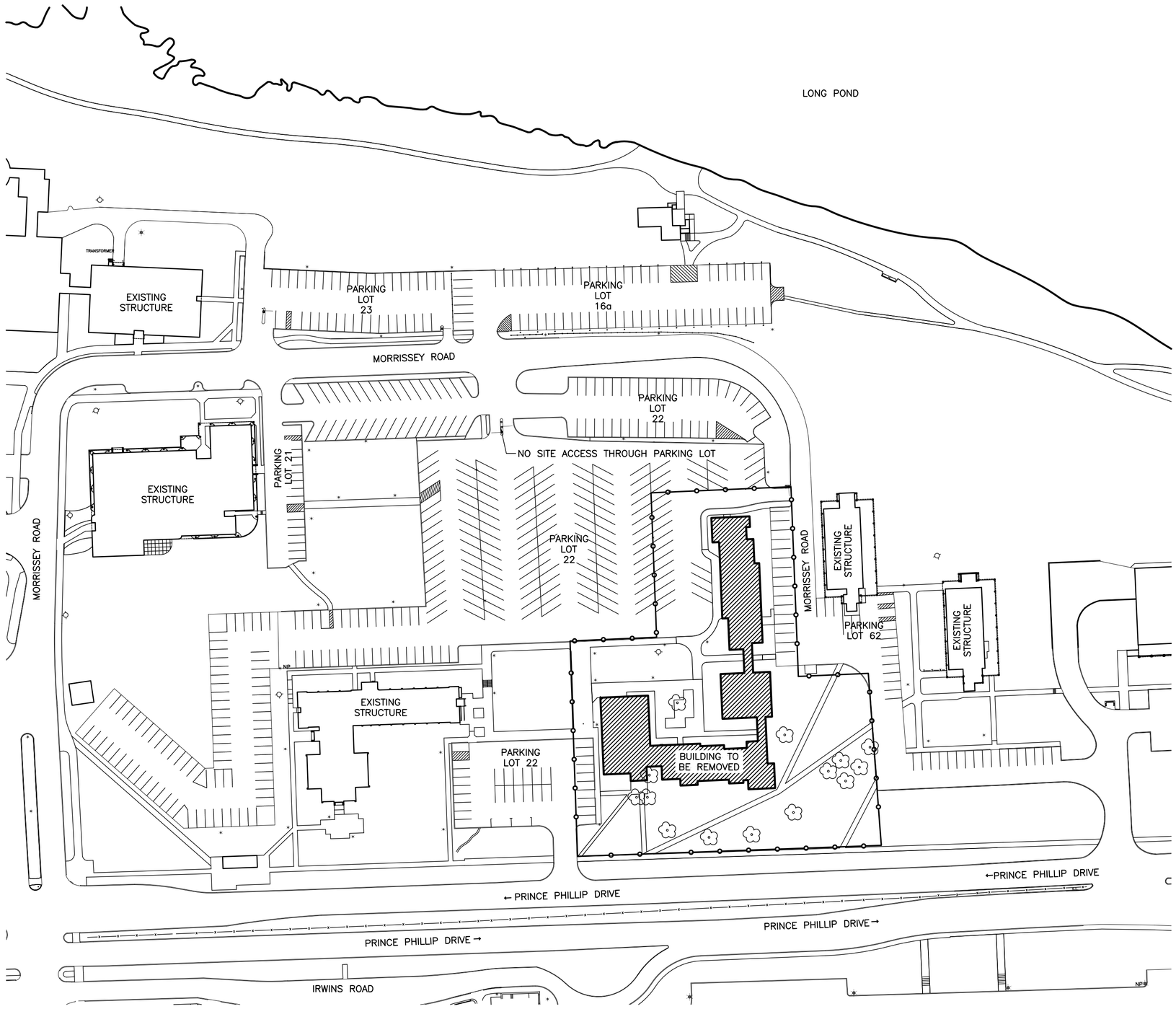
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M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **C-0**

STRUCTURE DEMOLITION NOTES:

1. OWNER TO TRIM TREES WHERE REQUIRED FOR ACCESS PRIOR TO DEMOLITION COMMENCING. CONTRACTOR TO PROVIDE REASONABLE AMOUNT OF PROTECTION AROUND TREES. NO TREES TO BE REMOVED WITHOUT CONSENT FROM THE OWNER OR UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. CONTRACTOR TO SECURE SITE DURING CONSTRUCTION FOR PUBLIC SAFETY. SITE ENTRANCE GATE PADLOCK AND KEYS TO BE SUPPLIED BY OWNER. PADLOCK AND KEYS TO BE RETURNED AT THE COMPLETION OF THE PROJECT. SEE DRAWING FOR LIMIT OF HOARDING.
3. ALL DISTURBED AREAS BEYOND SITE HOARDING TO BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
4. CONTRACTOR TO CONFIRM EXACT LOCATION OF SITE SERVICES BEFORE EXCAVATION IN CONJUNCTION WITH OWNER.
5. COORDINATE CIVIL WORK WITH ALL OTHER DIVISIONS OF WORK. NOTE ANY DISCREPANCIES TO OWNER.
6. CONTRACTOR RESPONSIBLE TO ACQUIRE MUN PARKING PERMITS FOR ANY PARKING OUTSIDE SITE HOARDING AREA.

SYMBOL LEGEND

- EXTENTS OF BUILDING DEMOLITION
- EXTENTS OF ASPHALT AND CONCRETE DEMOLITION
- EXISTING SODDED AREA TO BE REMOVED TO SUB–GRADE
- WATER MAIN LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- EL EL — UNDERGROUND ELECTRICAL SERVICE
- EP EP — UNDERGROUND POWER DUCT BANK
- UA UA — UNDERGROUND FIRE ALARM
- UC UC — UNDERGROUND COMMUNICATIONS
- UNDERGROUND ABANDONED CONDUIT
- SITE HOARDING
- LIGHT STANDARD
- PB — COMMUNICATIONS PULL BOX
- MH — MANHOLE
- EXISTING VALVE TO BE REMOVED
- CB — CATCH BASIN TO REMAIN
- T — TRANSFORMER TO BE REMOVED
- FIRE HYDRANT TO REMAIN
- EXISTING TREE TO REMAIN



SITE ACCESS AND HOARDING PLAN
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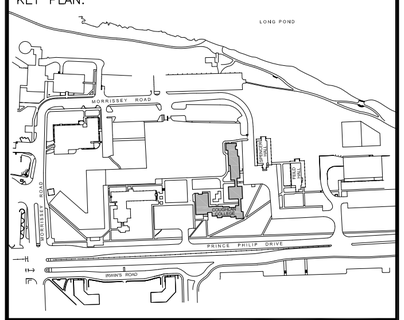
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No.	REVISION	DATE
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- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

SITE ACCESS AND HOARDING PLAN

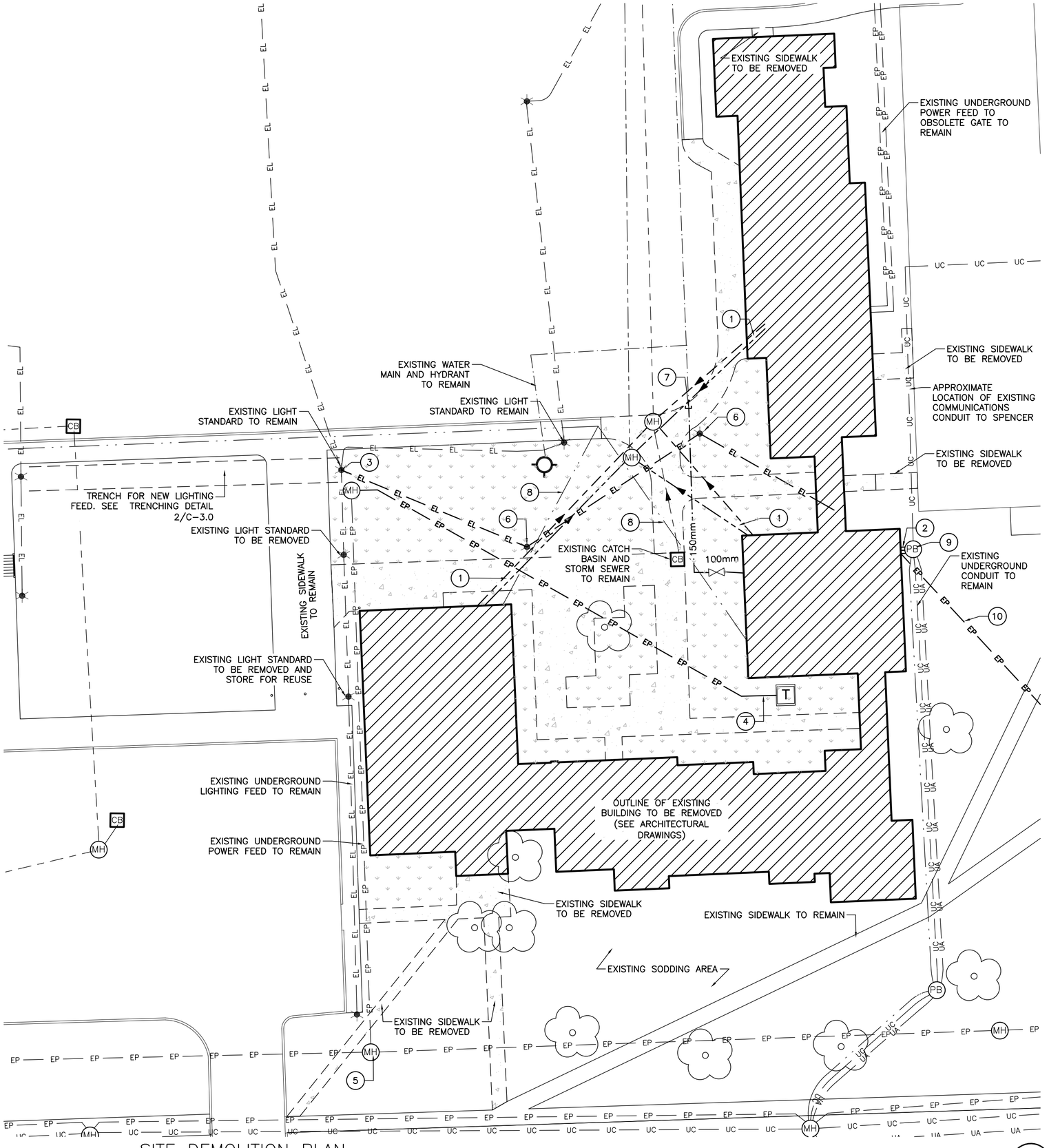
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MUN PROJECT No. **CL-510-25**	DRAWING No. **C-0.1**

STRUCTURE DEMOLITION NOTES:

1. CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING SANITARY AND SEWER LINES BACK TO NEAREST MANHOLE. SEE SPECIFICATION
2. UNDERGROUND FIRE ALARM SERVICES TO BE TERMINATED AND REROUTED BY MUN FORCES PRIOR TO EXCAVATION OF CONDUIT. CONTRACTOR TO PULL DISCONNECTED WIRE AND REMOVE UNDERGROUND CONDUIT BACK TO NEAREST PULLBOX AS SHOWN.
3. CONTRACTOR TO ENSURE UNDERGROUND LIGHTING FEED BACK TO BUILDING IS REMOVED. EXPOSE SUFFICIENT CONCRETE BASE TO INSTALL NEW LIGHTING FEED BACK TO ST. JOHN'S COLLEGE LIGHT STANDARD.
4. EXISTING TRANSFORMER AND CONDUIT TO BE REMOVED BACK TO NEAREST MANHOLE AS SHOWN. SEE SPECIFICATIONS
5. OWNER TO SHUTDOWN POWER IN THIS LOCATION PRIOR TO EXCAVATION
6. EXISTING LIGHT STANDARD AND BASE TO BE REMOVED.
7. EXCAVATE AND LOCATE EXISTING WATER MAIN AND CAP. INSTALL CONCRETE THRUST BLOCK AT END CAP.
8. APPROXIMATE LOCATION OF ABANDONED UNDERGROUND CONDUIT. REMOVE CONDUIT AS NECESSARY TO FACILITATE REMOVAL OF OTHER BUILDING SERVICES. NOTIFY OWNER OF EXTENT OF REMOVAL
9. CONTRACTOR TO PULL FIBER FROM ELECTRICAL ROOM CL–1023 IN COUGHLAN BACK TO PULL BOX AND EXTEND TO SPENCER ELECTRICAL ROOM FOR SPLICING. SEE DETAIL 3/C–1.0
10. UNDERGROUND CONDUIT TO BE REMOVED FROM BUILDING TO EXTERIOR OUTLETS. CONTRACTOR TO ENSURE CROSSING CONDUIT CONTAINING COMMUNICATIONS AND FIRE ALARM FEED IS NOT DAMAGED.
11. CONTRACTOR TO REMOVE HARD AND SOFT SCRAPE AROUND PERIMETER OF BUILDING AS REQUIRED TO PERFORM WORK

SYMBOL LEGEND

- EXTENTS OF BUILDING DEMOLITION
- EXTENTS OF ASPHALT AND CONCRETE DEMOLITION
- EXISTING SODDED AREA TO BE REMOVED TO SUB–GRADE
- WATER MAIN LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- EL — EL — UNDERGROUND ELECTRICAL SERVICE
- EP — EP — UNDERGROUND POWER DUCT BANK
- UA — UA — UNDERGROUND FIRE ALARM
- UC — UC — UNDERGROUND COMMUNICATIONS
- UNDERGROUND ABANDONED CONDUIT
- LIGHT STANDARD
- PB — COMMUNICATIONS PULL BOX
- MH — MANHOLE
- EXISTING VALVE TO BE REMOVED
- CB — CATCH BASIN TO REMAIN
- T — TRANSFORMER TO BE REMOVED
- FIRE HYDRANT TO REMAIN
- EXISTING TREE TO REMAIN



SITE DEMOLITION PLAN
SCALE: 1:300

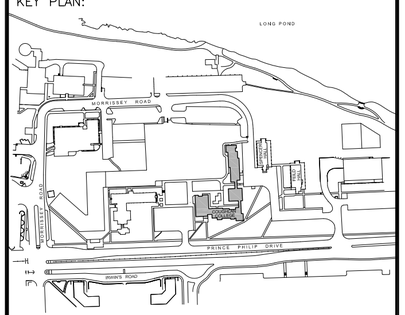
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No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

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KEY PLAN:



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- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

SITE DEMOLITION PLAN

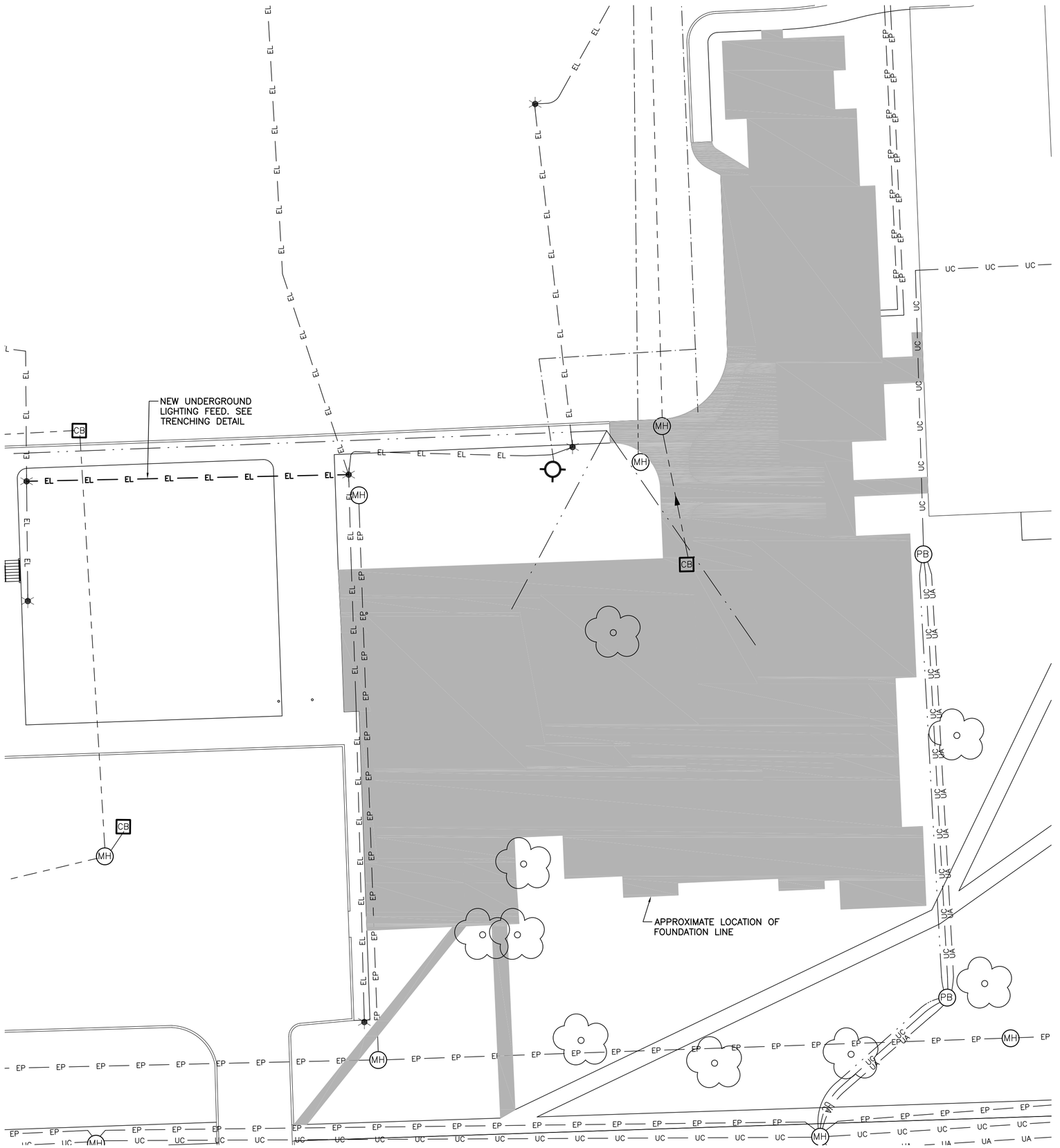
REVIEWED:	DRAWN:
M.F.	W.F.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **C-1.0**

SITE REINSTATEMENT NOTES

1. CONTRACTOR TO INFILL EXCAVATED AREA BACK TO NO LESS THAN 250MM BELOW ADJACENT FINISHED GRADE
2. EXTENT OF SUB-GRADE PREPARATION BEYOND FOUNDATION LINE TO BE DETERMINED BY CONTRACTOR ON-SITE.
3. UPON COMPLETION OF THE EXCAVATION TO GRADES THE ENTIRE SITE SHOULD BE THOROUGHLY PROOF ROLLED WITH A MINIMUM OF A 10 TONNE VIBRATORY ROLLER IN TATIC MODE. ANY SOFTENED AREAS IDENTIFIED UPON PROOF ROLLING MUST BE EXCAVATED AND REPLACED WITH STRUCTURAL FILL AND COMPACTED.

SYMBOL LEGEND

- NEW SUB-GRADE REINSTATEMENT
- WATER MAIN LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- EL — EL — UNDERGROUND ELECTRICAL SERVICE
- EP — EP — UNDERGROUND POWER DUCT BANK
- UA — UA — UNDERGROUND FIRE ALARM
- UC — UC — UNDERGROUND COMMUNICATIONS
- UNDERGROUND ABANDONED CONDUIT
- LIGHT STANDARD
- PB — COMMUNICATIONS PULL BOX
- MH — MANHOLE
- EXISTING VALVE TO BE REMOVED
- CB — CATCH BASIN TO REMAIN
- T — TRANSFORMER TO BE REMOVED
- FIRE HYDRANT TO REMAIN
- EXISTING TREE TO REMAIN



SITE REINSTATEMENT PLAN
SCALE: 1:300

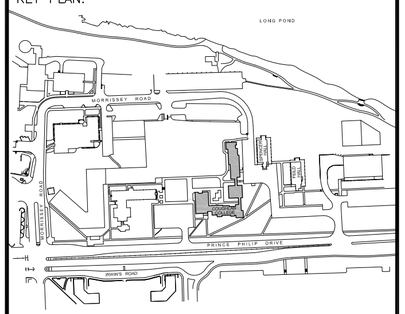
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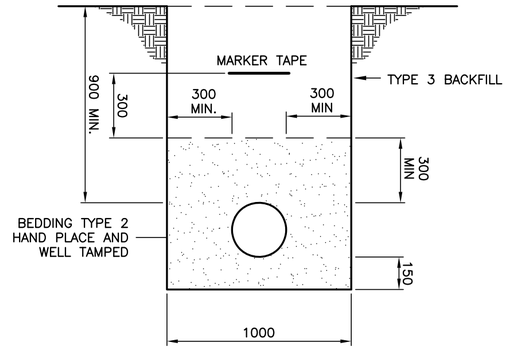
PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

SITE REINSTATEMENT PLAN

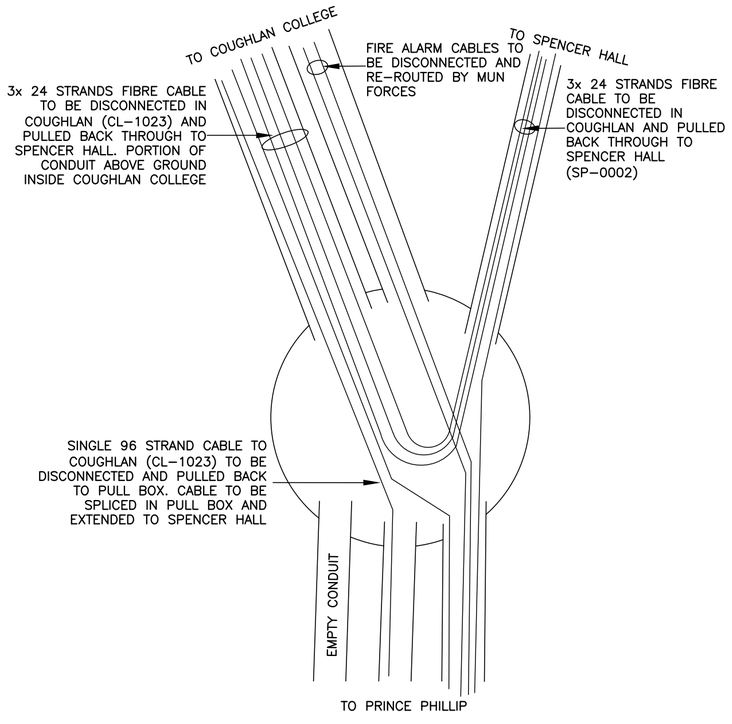
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ELECTRICAL CONDUIT TRENCH DETAIL

SCALE: 1:10

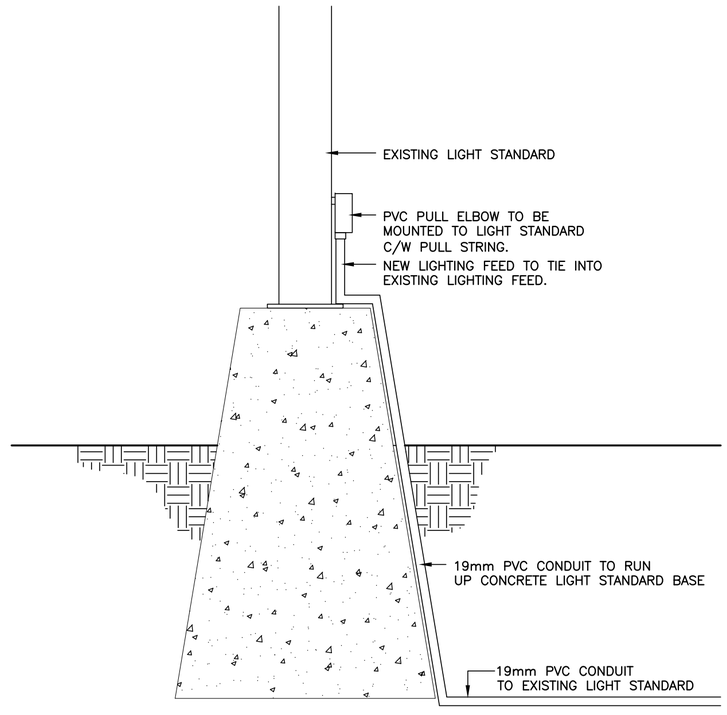
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FIBRE PULL BOX DETAIL

SCALE: 1:20

3 / C-3.0



LIGHTING STANDARD ELECTRICAL TIE-IN DETAIL

SCALE: 1:10

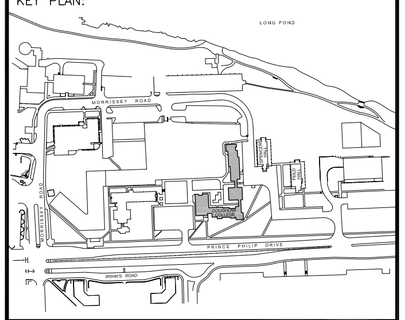
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No.	REVISION	DATE
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PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

SITE DETAILS

REVIEWED:	DRAWN:
M.F.	W.F.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **C-3.0**

GENERAL NOTES: (APPLY TO ALL DWG SHEETS)

PROJECT SUMMARY:

1. CONTRACTORS ARE REQUIRED TO COMPLETE THE ONLINE TRAINING MODULE FOR MEMORIALS ZERO ENERGY ISOLATION PROGRAM (ZEIP) BEFORE MOBILIZING ON SITE. TRAINING CAN BE ACCESSED VIA THE LINK: HTTPS://OOC.CITL.MUN.CA/ENROL/INDEX.
   1.1. FIRST TIME USERS MUST CREATE AN ACCOUNT. CLICK 'CREATE NEW ACCOUNT'. ENTER REQUIRED INFORMATION AND CLICK 'CREATE MY NEW ACCOUNT'.
   1.1. A CONFIRMATION EMAIL WILL BE SENT TO THE EMAIL YOU ENTERED WHEN CREATING YOUR ACCOUNT. OPEN THAT EMAIL AND CLICK THE LINK IT CONTAINS.
   1.2. CLICK 'ZERO ENERGY ISOLATION PROGRAM FOR CONTRACTORS'.
   1.3. TO ENROLL IN THE TRAINING, ENTER THE ENROLLMENT KEY: 7653. CLICK 'ENROLL ME'.
   1.4. COMPLETE THE TRAINING ACCORDING TO THE INSTRUCTIONS PROVIDED IN THE COURSE.
   1.5. SUCCESSFUL COMPLETION CERTIFICATES SHALL BE AVAILABLE DURING AUDITING BY ENVIRONMENTAL HEALTH & SAFETY.

2. GENERAL CONTRACTOR TO REVIEW THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE EXTENT OF WORK AND COORDINATE WITH OTHER TRADES TO ENSURE THERE ARE NO CONFLICTS BETWEEN LOCATION OF THESE ITEMS. WHERE CONFLICTS OCCUR, REPORT THESE TO THE OWNER PRIOR TO INSTALLATION OF ANY ITEM IN ORDER TO ARRANGE FOR THE OWNER TO REVIEW AND ADVISE. ANY COSTS INCURRED TO CORRECT OR RESOLVE CONFLICTS THAT ARE A RESULT OF LACK OF COORDINATION BETWEEN GENERAL CONTRACTOR AND/OR SUB-CONTRACTORS ARE TO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.PRIOR TO THE COMMENCEMENT OF ANY WORK.

3. ALL WORK TO BE DONE IN ACCORDANCE WITH LATEST ADDITION OF THE NATIONAL BUILDING CODE AND APPLICABLE LOCAL BUILDING CODES.

4. REFER TO SPEC SECTION 01 10 00 FOR WORK RESTRICTIONS.

5. CONTRACTOR TO REVIEW EXISTING SITE CONDITIONS, VERIFY ALL DIMENSIONS AND SCOPE OF WORK AND REPORT ANY DISCREPANCIES TO THE MUN PROJECT COORDINATOR PRIOR TO BID SUBMISSION.

6. NO CHANGES OR REVISIONS TO THE WORK ARE TO BE EXECUTED WITHOUT THE PRIOR APPROVAL OF THE OWNER.

7. CONTRACTORS SHALL AWAIT WRITTEN APPROVAL FOR ANY CONTEMPLATED CHANGE NOTICES (CCN) & CHANGE ORDERS (CO) BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING ANY WORK OR ORDER OF ANY MATERIALS RELATING TO A CHANGE.

8. GENERAL CONTRACTOR PROJECT MANAGER AND SUPERINTENDENT TO ATTEND A PROJECT START-UP MEETING TO REVIEW/DISCUSS THE SCOPE OF WORK, CONSTRUCTION SCHEDULE, AND SAFETY REQUIREMENTS PRIOR TO MOBILIZATION.

9. PROVIDE CERTIFICATE OF GUARANTEE OF WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER.

SAFETY NOTES:

10. GENERAL CONTRACTOR AND SUBCONTRACTORS ARE REQUIRED TO SUBMIT A HAZARD ASSESSMENT TO BE REVIEWED AND APPROVED BY MUN EHS. OBTAIN SAFETY CLEARANCE PRIOR TO THE START OF WORK ONSITE.

11. GENERAL CONTRACTOR PROJECT MANAGER AND SUPERINTENDENT TO ATTEND A PROJECT START-UP MEETING TO REVIEW/DISCUSS THE SCOPE OF WORK, CONSTRUCTION SCHEDULE, AND SAFETY REQUIREMENTS PRIOR TO MOBILIZATION.

PARKING, SITE ACCESS, & HOARDING NOTES:

12. CONTRACTOR SHALL KEEP GRASS, SIDEWALKS, AND PAVED AREAS AROUND DUMPSTER CLEAR OF DEBRIS AND MATERIALS. DUMPSTER TO BE COVERED AT ALL TIMES. DUMPSTER TO BE EMPTIED WHEN FULL. DUMPSTER USE IS PERMITTED PENDING LOCATION HAS BE CONFIRMED ONSITE WITH PROJECT COORDINATOR.

13. CONTRACTOR SHALL OBTAIN PARKING PERMITS FROM CAMPUS ENFORCEMENT PATROL (CEP) FOR THE DURATION OF THE PROJECT. PARKING IS NOT PERMITTED IN LOADING ZONES OR MATERIAL DROP-OFF AREA.

14. CONTRACTORS SHALL BE RESPONSIBLE FOR PAYING ALL PARKING TICKETS ISSUED BY CAMPUS ENFORCEMENT PATROL. CONTESTED OR DISPUTED TICKETS SHALL BE BETWEEN THE CONTRACTOR AND CAMPUS ENFORCEMENT PATROL.

HAZARDOUS MATERIALS NOTES:

15. PROPER REMOVAL, HANDLING AND DISPOSAL OF ALL HAZARDOUS MATERIALS LOCATED WITHIN AND/OR ON THE BUILDING IS REQUIRED. HAZARDOUS MATERIALS MAY INCLUDE, BUT IS NOT LIMITED TO, ASBESTOS, LEAD, MOULD, SILICA, POLYCHLORINATED BIPHENYLS (PCB) AND MERCURY. WORK TO BE COMPLETED IN FULL ACCORDANCE WITH ALL APPLICABLE LEGISLATION, REGULATIONS, STANDARDS AND CODES. A HAZARDOUS BUILDING MATERIALS ASSESSMENT IS INCLUDED IN SPECIFICATION 02 26 00.

16. AIR MONITORING AND INSPECTIONS DURING ABATEMENT WORK TO BE COMPLETED BY A CERTIFIED ENVIRONMENTAL CONSULTANT, APPROVED BY THE OWNER, AND ENGAGED BY THE GENERAL CONTRACTOR. ALL COSTS TO BE INCLUDED IN THE CONTRACT PRICE.

GENERAL DEMOLITION NOTES:

17. PERFORM DEMOLITION WORK SHOWN AND/OR REQUIRED TO COMPLETE THE WORK. DO NOT ASSUME DEMOLITION DRAWINGS SHOW THE FULL EXTENT OF DEMOLITION WORK REQUIRED. REFER TO SPECIFICATION 02 41 19.

18. REVIEW DEMOLITION PLAN IN CONJUNCTION WITH ALL OTHER PLANS AND DETAILS. FURTHER DEMOLITION REQUIRED FOR NEW MECHANICAL AND ELECTRICAL TO BE DETERMINED BASED ON NEW FLOOR PLAN LAYOUT AND SITE CONDITIONS. CHECK SITE DIMENSIONS AND CONDITIONS AND REPORT UNACCEPTABLE CONDITIONS TO PROJECT COORDINATOR FOR REMEDIAL INSTRUCTIONS PRIOR TO PROCEEDING WITH THE WORK.

19. ALL DEMOLISHED MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR. WORK SITE TO BE LEFT IN SAFE CONDITION AT THE END OF EACH WORK DAY.

20. REMOVE AND SALVAGE DOOR LOCKSETS, CLOSURES, AND OPERATOR SYSTEMS UNLESS OTHERWISE NOTED. TURN OVER TO OWNER.

21. MUN SHALL BE RESPONSIBLE FOR COORDINATING THE DISCONNECT OF TELEPHONE/ALARM LINES WITH LOCAL UTILITY SERVICE PROVIDERS.

22. CONTRACTOR MAY SALVAGE EXISTING NON-STRUCTURAL MATERIALS FROM ROOF, WALL, AND FLOOR ASSEMBLIES PRIOR TO THE DEMOLITION OF BUILDINGS.

23. UNLESS OTHERWISE INDICATED, REMOVE AND LEGALLY DISPOSE OF ALL CONTENTS WITHIN THE BUILDING. THIS INCLUDES, BUT IS NOT LIMITED TO: PIPING, INSULATION, FLOORING, ELECTRICAL AND MECHANICAL INFRASTRUCTURE, APPLIANCES, ELECTRONICS, MISCELLANEOUS METALS, FIXTURES, DOCUMENTS, FURNITURE, BUILT-INS & MILLWORK, DOORS/FRAMES, AND EQUIPMENT.

24. CONTRACTOR IS TO SUBMIT A DEMOLITION PLAN FOR REVIEW AND APPROVAL BY THE OWNER, PRIOR TO WORK COMMENCING. DEMOLITION PLAN TO INCLUDE:
   24.1. APPROVAL DRAWINGS, DIAGRAMS AND/OR DETAILS SHOWING SEQUENCE OF DEMOLITION WORK AND SUPPORTING STRUCTURES AND UNDERPINNING, WHERE REQUIRED.
   24.2. THE PLAN SHALL OUTLINE PROPOSED METHODS FOR DUST CONTROL, NOISE CONTROL AND MAINTAINING THE SURROUNDING STREETS AND BUILDINGS IN A CLEAN CONDITION FOR BOTH DEMOLITION OPERATIONS AND DURING DEBRIS REMOVAL.
   24.3. PLAN TO BE STAMPED AND SIGNED BY QUALIFIED PROFESSIONAL ENGINEER REGISTERED OR LICENSED IN PROVINCE OF NEWFOUNDLAND AND LABRADOR, CANADA.

MATERIAL AND EQUIPMENT SALVAGING:

25. ALL ITEMS NOTED TO BE SALVAGED TO BE DELIVERED TO THE SOUTH CAMPUS BOILER HOUSE BUILDING BY THE CONTRACTOR.

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PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

GENERAL NOTES & ABBREVIATIONS

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-1.0**

ARCHITECTURAL SYMBOL LEGEND:

EXISTING EXTERIOR WALL CONSTRUCTION
- 90mm FACE BRICK
- 25mm AIR SPACE
- 38mm RIGID INSULATION
- 150mm–200mm CONCRETE BLOCK (VARIES)

* ACM: INTERIOR SURFACE MAY CONTAIN 13mm GYPSUM BOARD OR 13mm GYPSUM PLASTER, CONFIRM ON SITE.

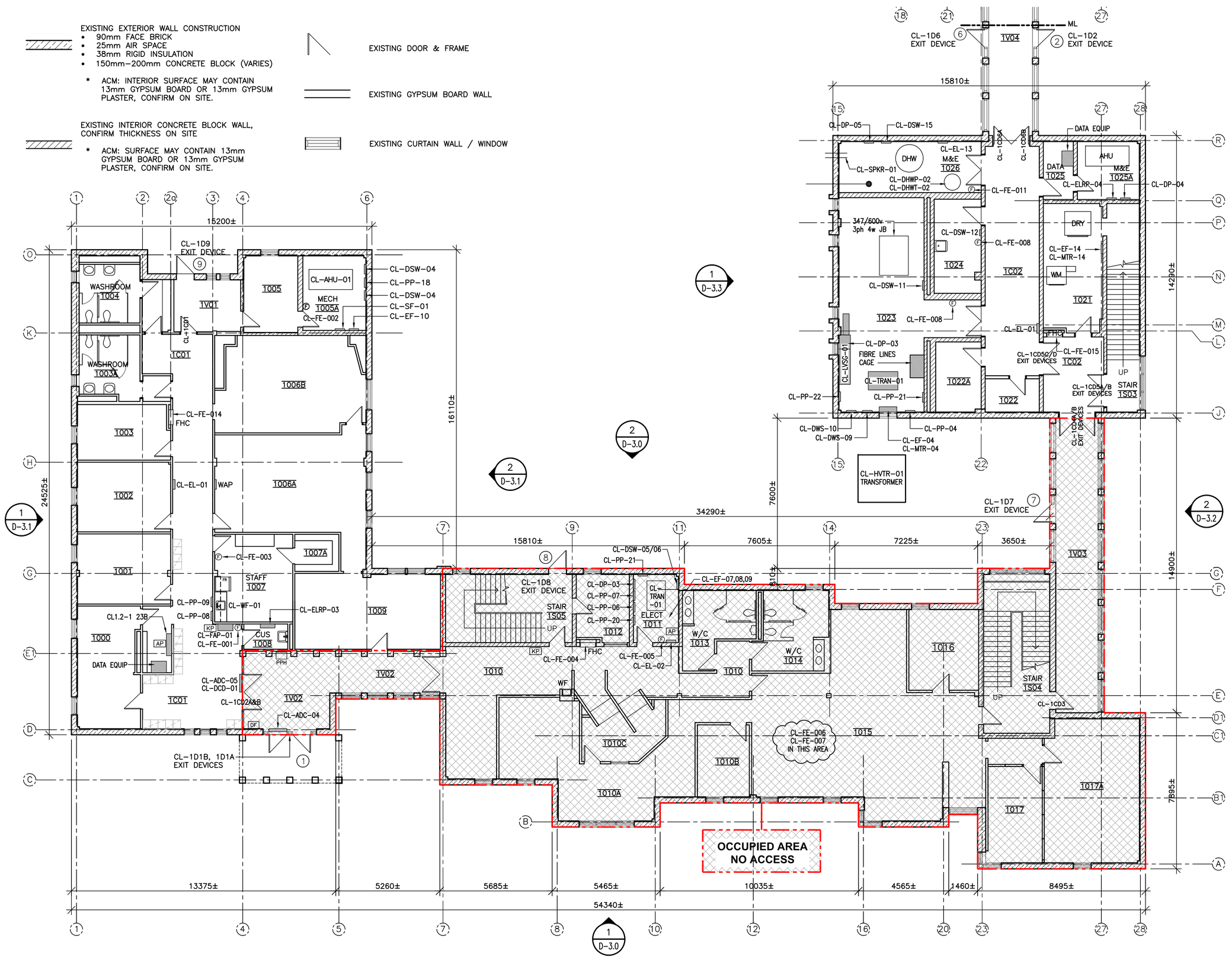
EXISTING INTERIOR CONCRETE BLOCK WALL, CONFIRM THICKNESS ON SITE

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EXISTING DOOR & FRAME

EXISTING GYPSUM BOARD WALL

EXISTING CURTAIN WALL / WINDOW



DEMOLITION PLAN LEVEL 1 – SOUTH WING

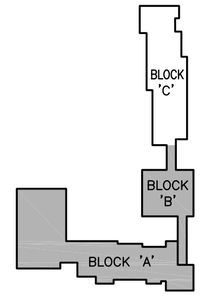
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DEMOLITION PLAN LEVEL 1 SOUTH WING

REVIEWED:	DRAWN:
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SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-2.0**

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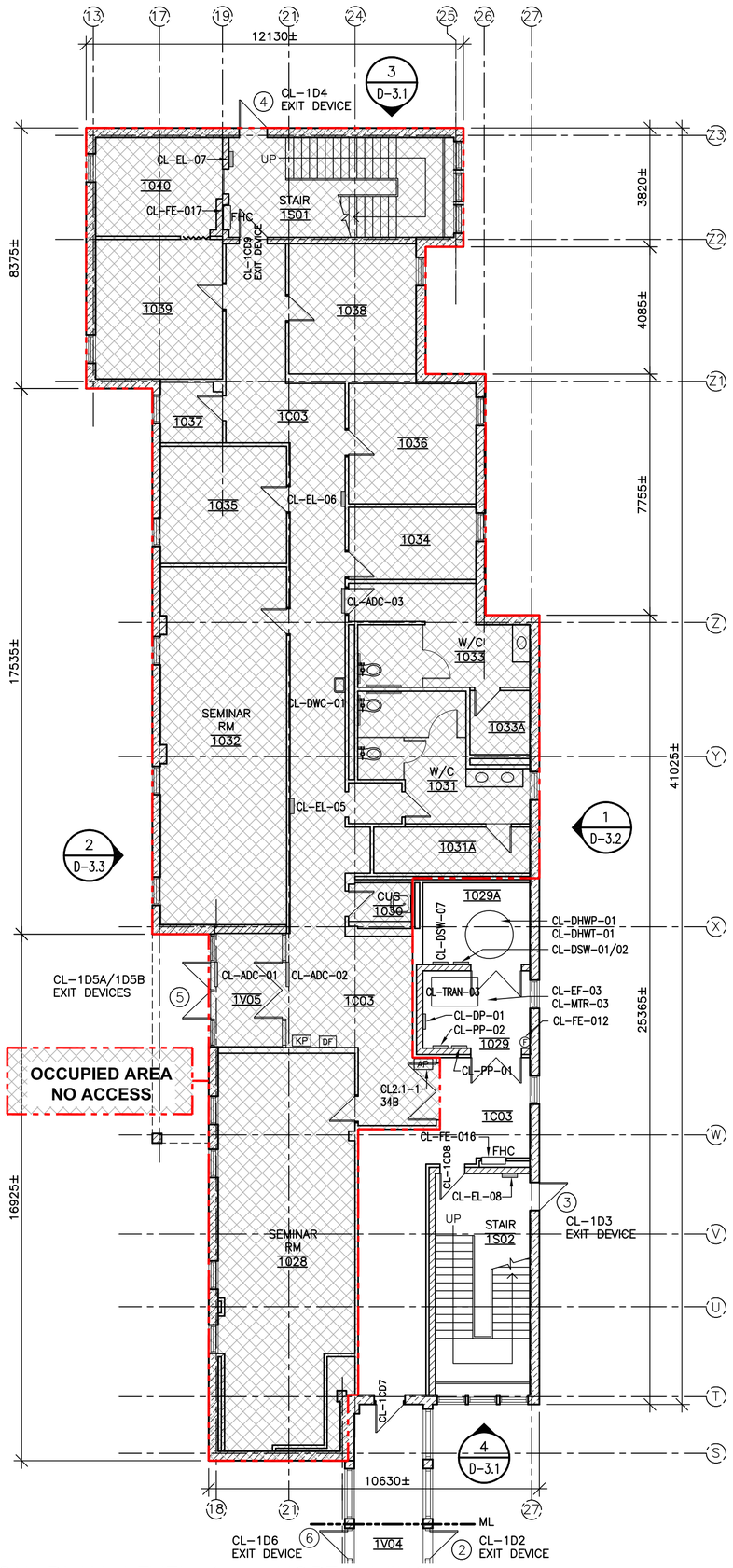
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EXISTING GYPSUM BOARD WALL

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DEMOLITION PLAN LEVEL 1 – NORTH WING

SCALE: 1:125

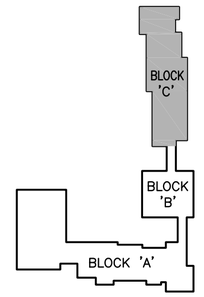
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DRAWING TITLE:

DEMOLITION PLAN LEVEL 1 NORTH WING

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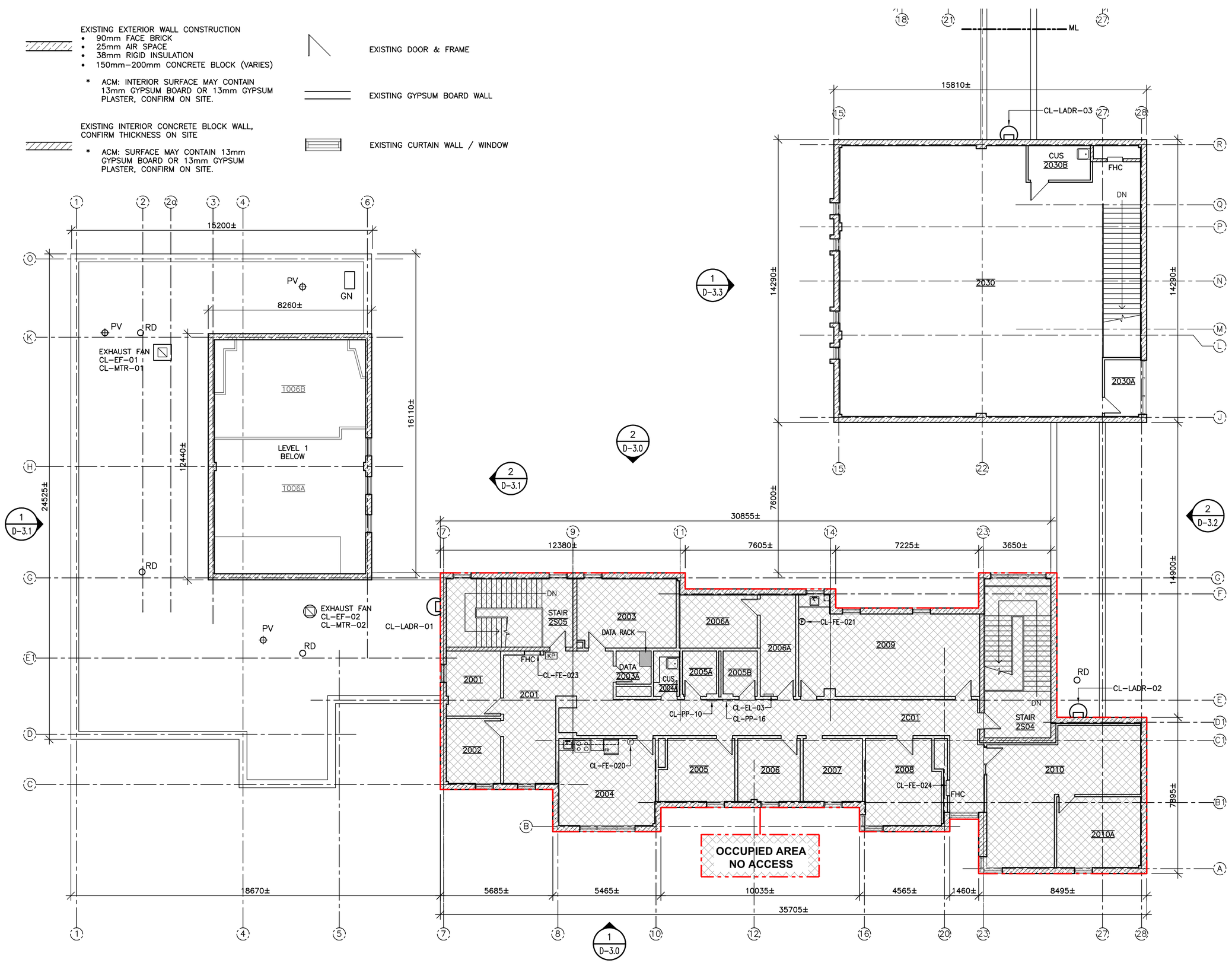
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EXISTING DOOR & FRAME

EXISTING GYPSUM BOARD WALL

EXISTING CURTAIN WALL / WINDOW



DEMOLITION PLAN LEVEL 2 – SOUTH WING

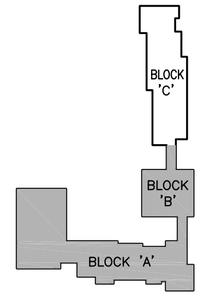
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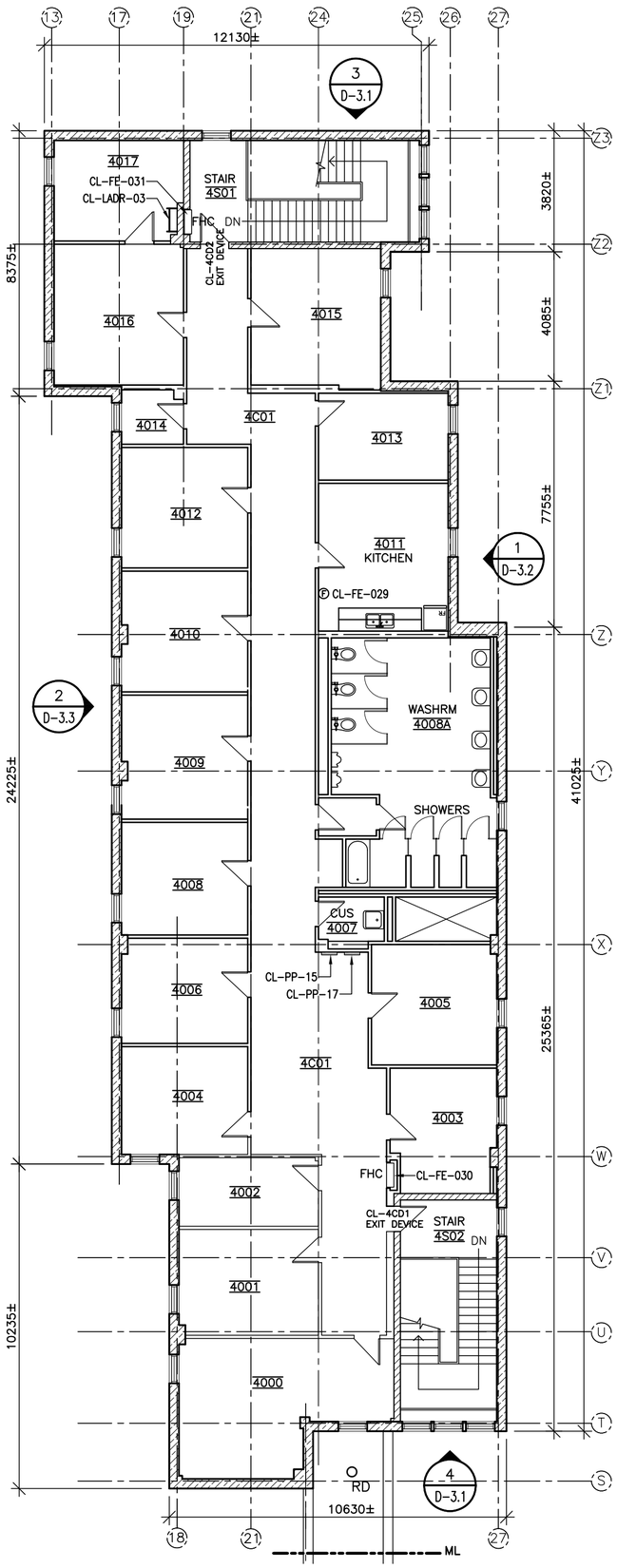
PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

DEMOLITION PLAN LEVEL 2 SOUTH WING

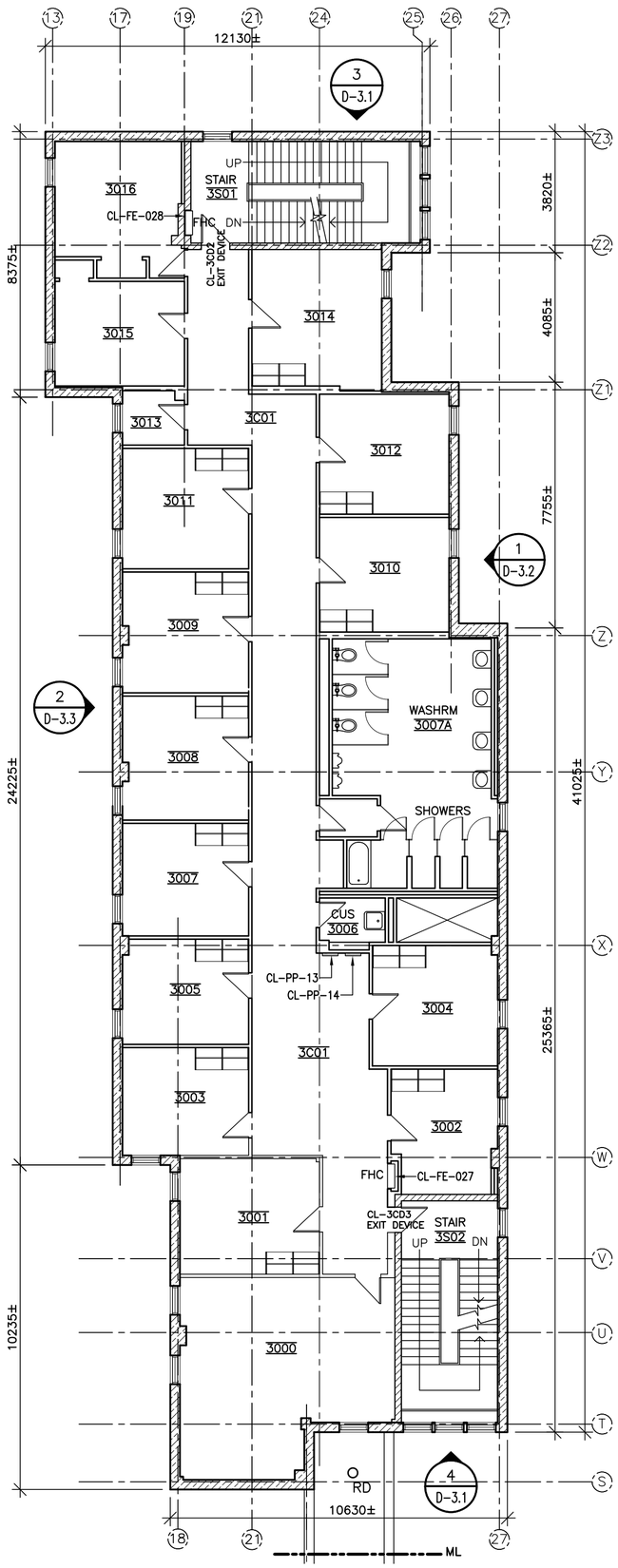
REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-2.2**



DEMOLITION PLAN LEVEL 4 – NORTH WING

SCALE: 1:125

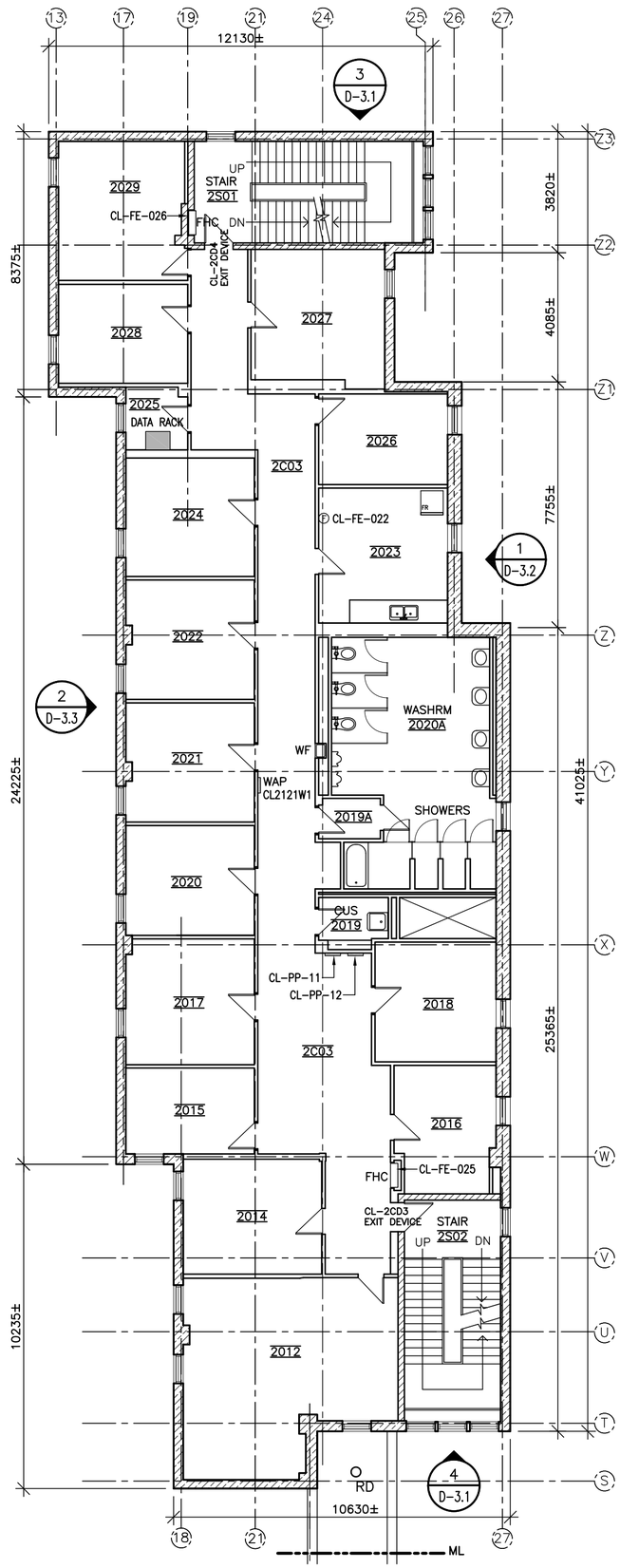
3
D-2.3



DEMOLITION PLAN LEVEL 3 – NORTH WING

SCALE: 1:125

2
D-2.3



DEMOLITION PLAN LEVEL 2 – NORTH WING

SCALE: 1:125

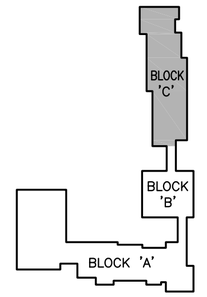
1
D-2.3

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

1. DRAWINGS TO BE READ AS A SET.
2. DO NOT SCALE FROM DRAWINGS.
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4. ALL DISCREPANCIES FOUND IN THESE DRAWINGS TO BE BROUGHT TO THE ATTENTION OF FACILITIES MANAGEMENT PRIOR TO SUBMISSION OF TENDERS.

KEY PLAN:



MEMORIAL UNIVERSITY

FACILITIES MANAGEMENT

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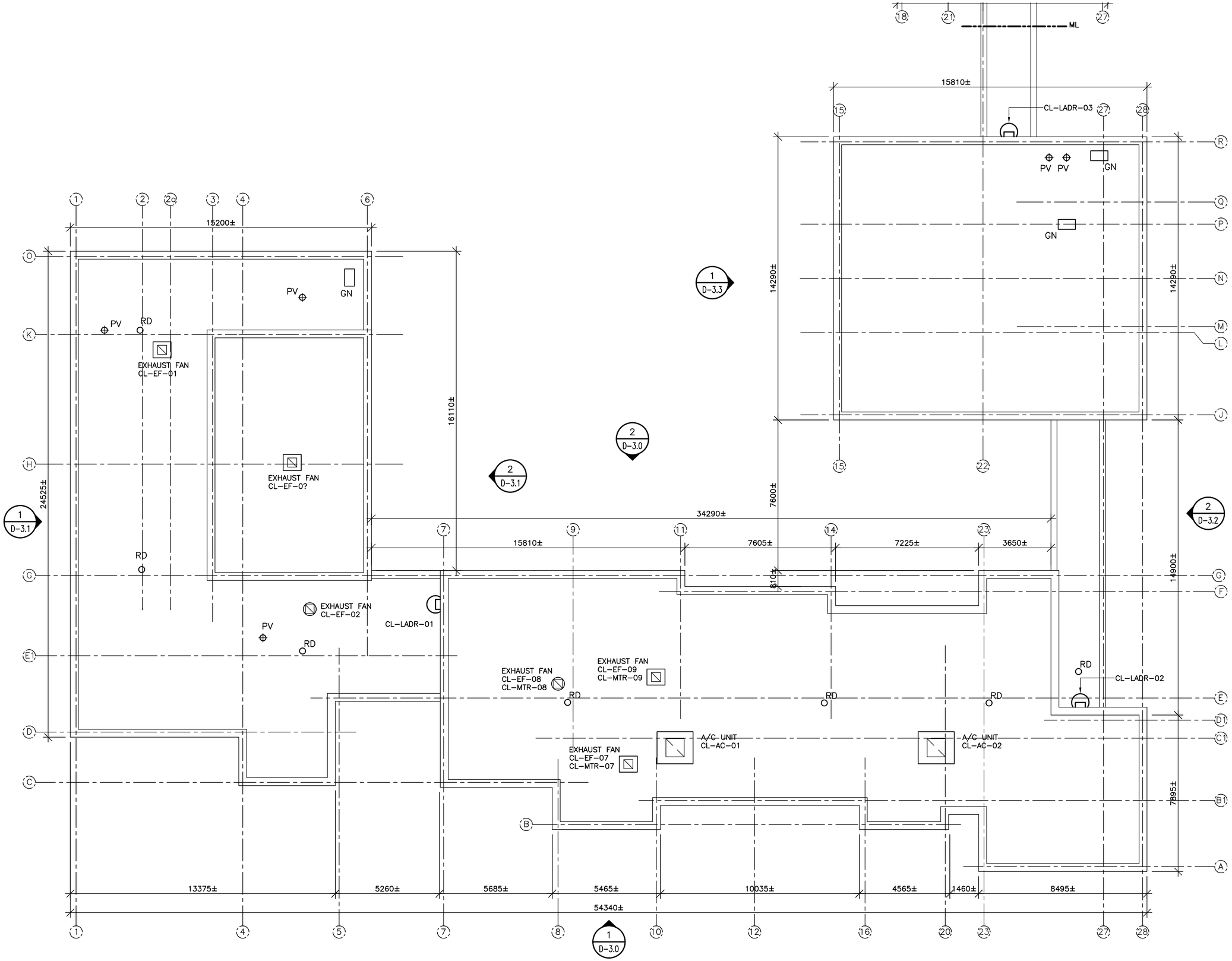
PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

DEMOLITION PLANS LEVELS 2, 3, & 4 NORTH WING

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-2.3**



DEMOLITION PLAN ROOF – SOUTH WING

SCALE: 1:125

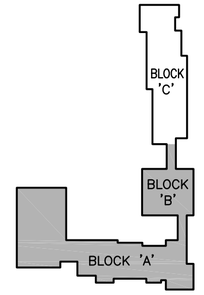
1
D-2.4

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

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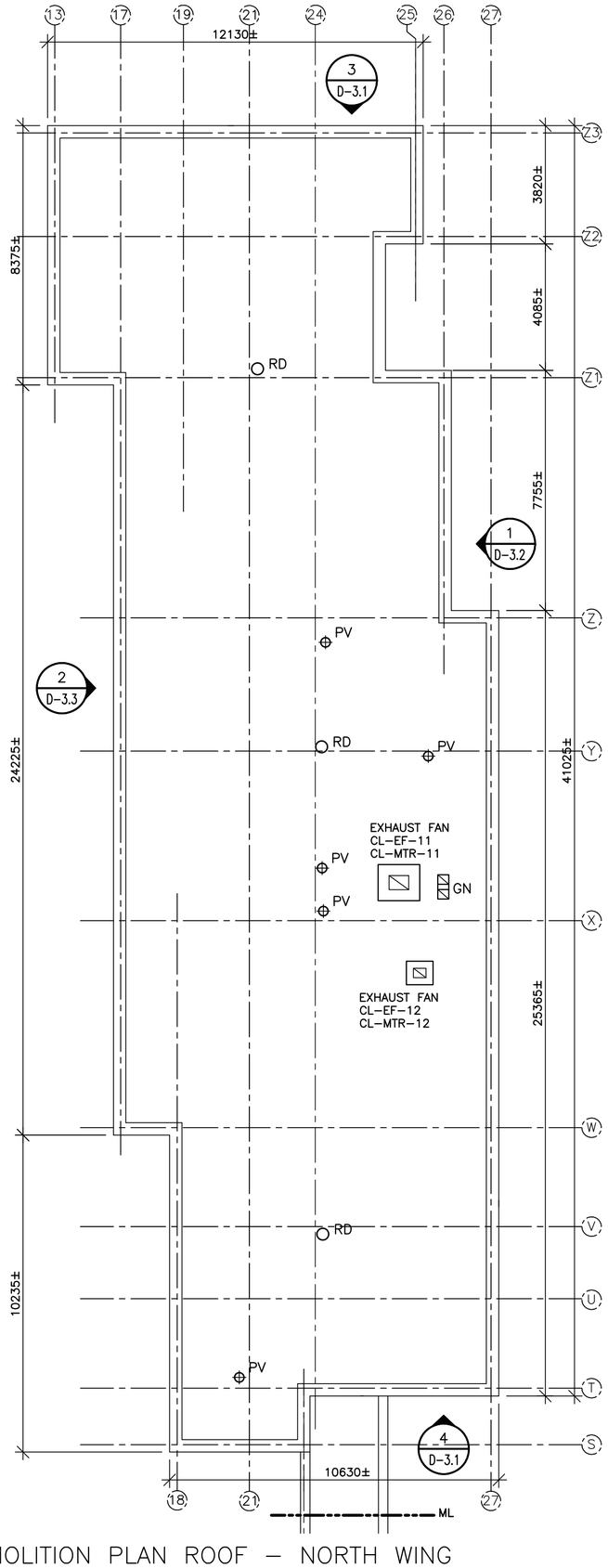
PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

DEMOLITION PLAN ROOF SOUTH WING

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-2.4**



DEMOLITION PLAN ROOF – NORTH WING

SCALE: 1:125

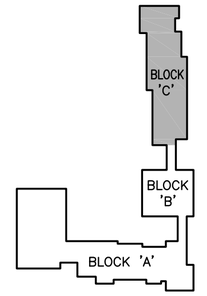
1
D-2.5

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

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PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

DEMOLITION PLAN ROOF NORTH WING

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-2.5**

ELEVATION SYMBOL LEGEND:

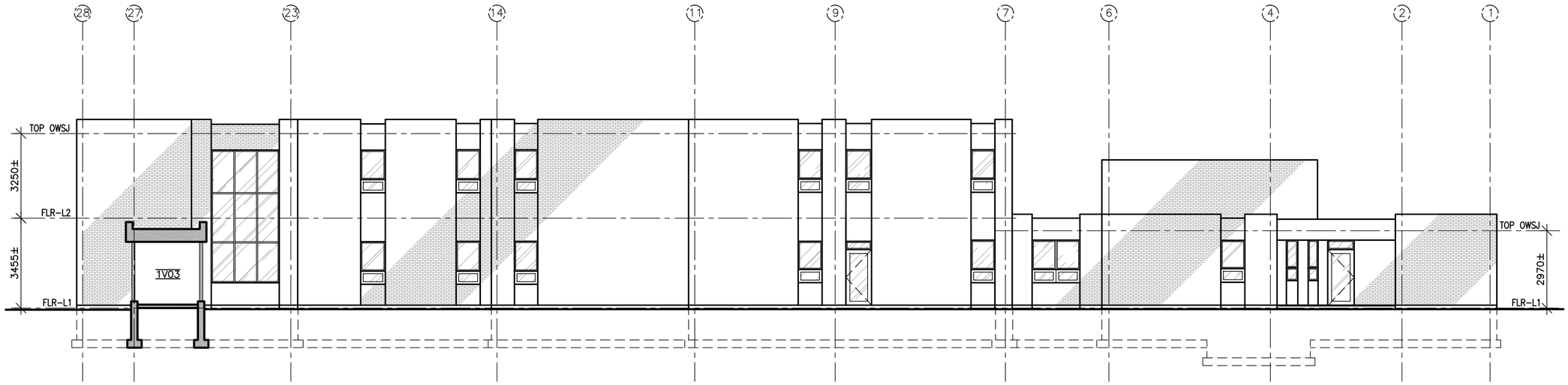
EXISTING FACE BRICK TYPICAL CLADDING OVER ENTIRE BUILDING, UNLESS OTHER WISE NOTED.

EXISTING STEEL / GLASS CURTAIN WALL

EXISTING SANDBLASTED CONCRETE PANELS.

EXISTING STEEL / GLASS WINDOWS

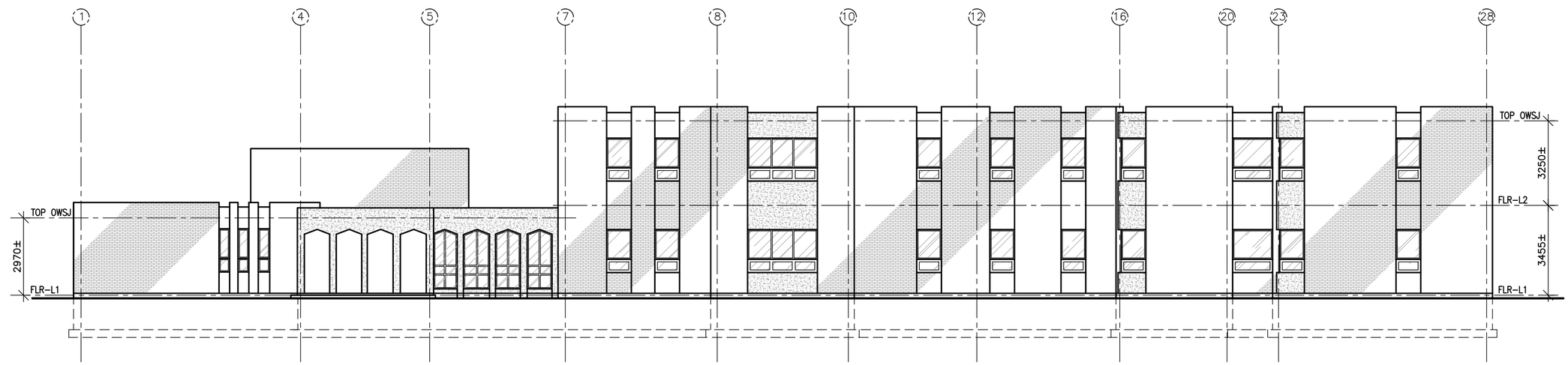
EXISTING STEEL / ALUMINUM / GLASS ENTRANCE DOORS



NORTH ELEVATION – BLOCK A

SCALE: 1:125

2 / D-3.0



SOUTH ELEVATION – BLOCK A

SCALE: 1:125

1 / D-3.0

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

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PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

DEMOLITION ELEVATIONS BLOCK A

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE:	DATE:
AS SHOWN	OCTOBER 2025
MUN PROJECT No.	DRAWING No.
CL-510-25	**D-3.0**

ELEVATION SYMBOL LEGEND:

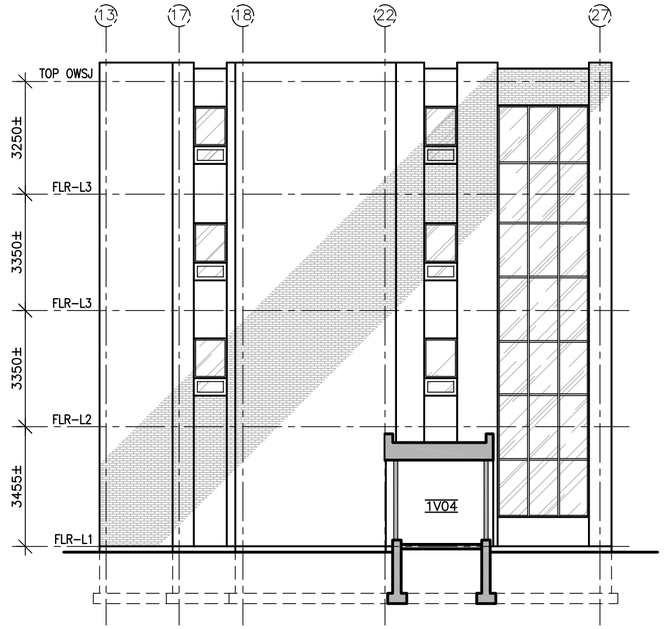
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EXISTING SANDBLASTED CONCRETE PANELS.

EXISTING STEEL / GLASS CURTAIN WALL

EXISTING STEEL / GLASS WINDOWS

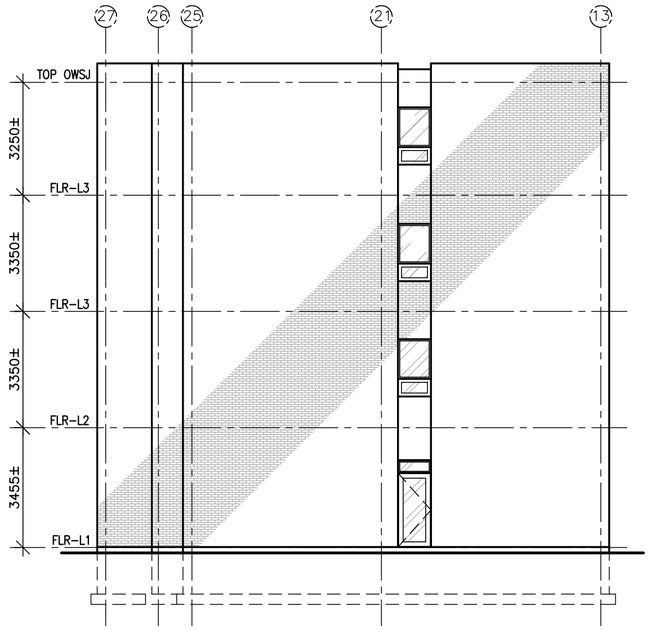
EXISTING STEEL / ALUMINUM / GLASS ENTRANCE DOORS



SOUTH ELEVATION – BLOCK C

SCALE: 1:125

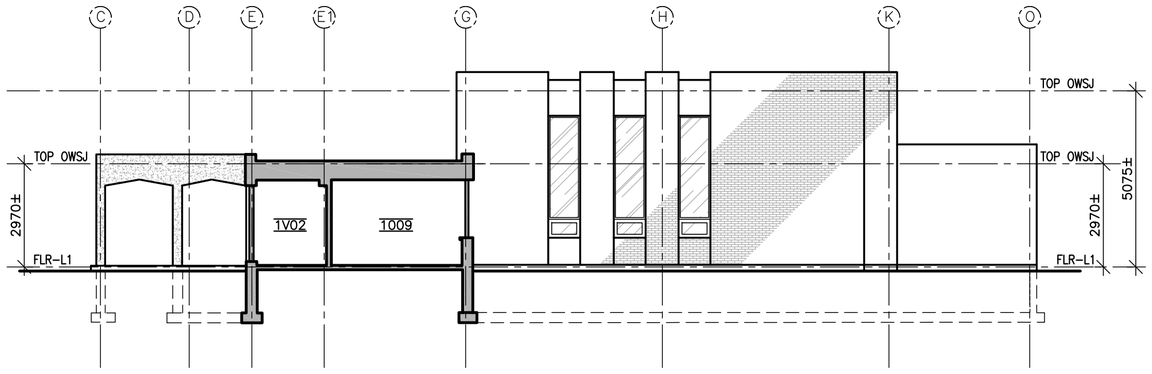
4 D-3.1



NORTH ELEVATION – BLOCK C

SCALE: 1:125

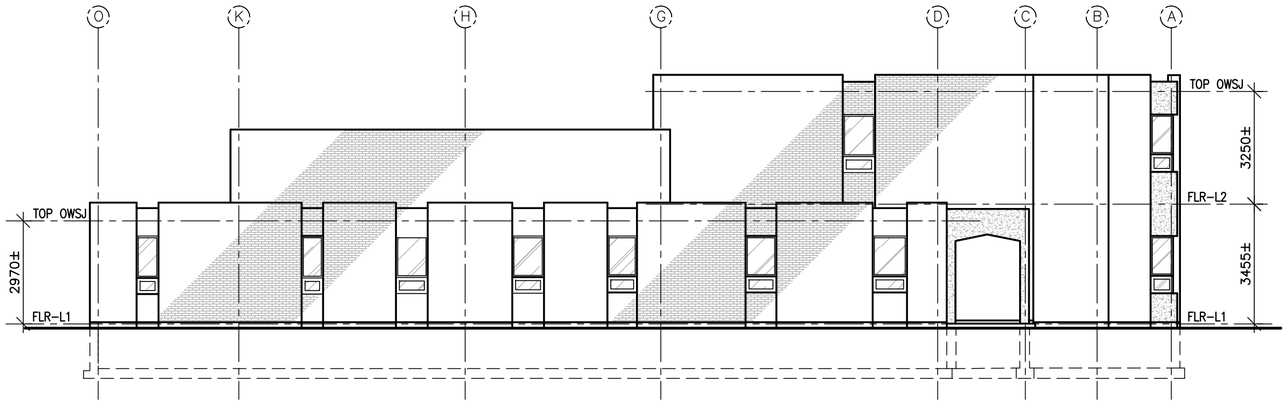
3 D-3.1



EAST ELEVATION – BLOCK A

SCALE: 1:125

2 D-3.1



WEST ELEVATION – BLOCK A

SCALE: 1:125

1 D-3.1

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

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PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

DEMOLITION ELEVATIONS BLOCKS A&C

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-3.1**

ELEVATION SYMBOL LEGEND:

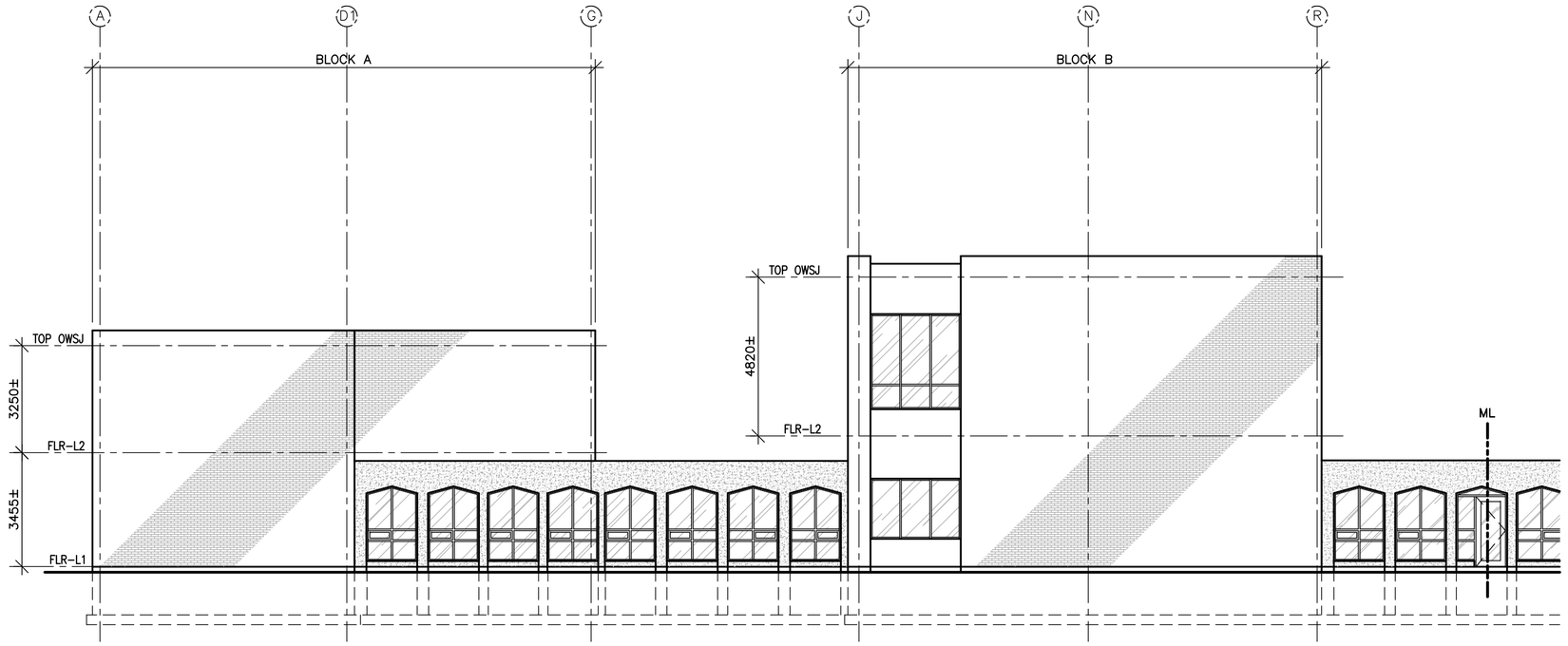
EXISTING FACE BRICK TYPICAL CLADDING OVER ENTIRE BUILDING, UNLESS OTHER WISE NOTED.

EXISTING SANDBLASTED CONCRETE PANELS.

EXISTING STEEL / GLASS CURTAIN WALL

EXISTING STEEL / GLASS WINDOWS

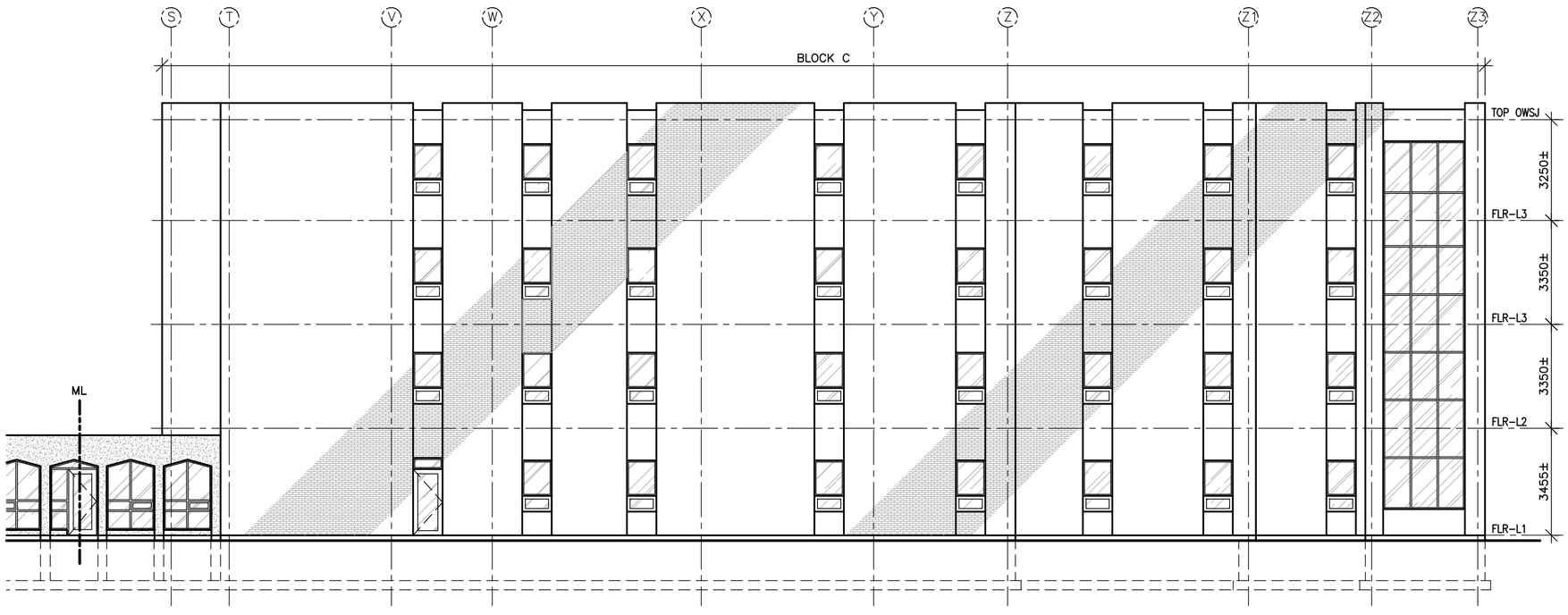
EXISTING STEEL / ALUMINUM / GLASS ENTRANCE DOORS



EAST ELEVATION – BLOCK A & BLOCK B

SCALE: 1:125

2
D-3.2



EAST ELEVATION – BLOCK C

SCALE: 1:125

1
D-3.2

No.	REVISION	DATE
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COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

DEMOLITION ELEVATIONS BLOCKS A,B,&C

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-3.2**

ELEVATION SYMBOL LEGEND:

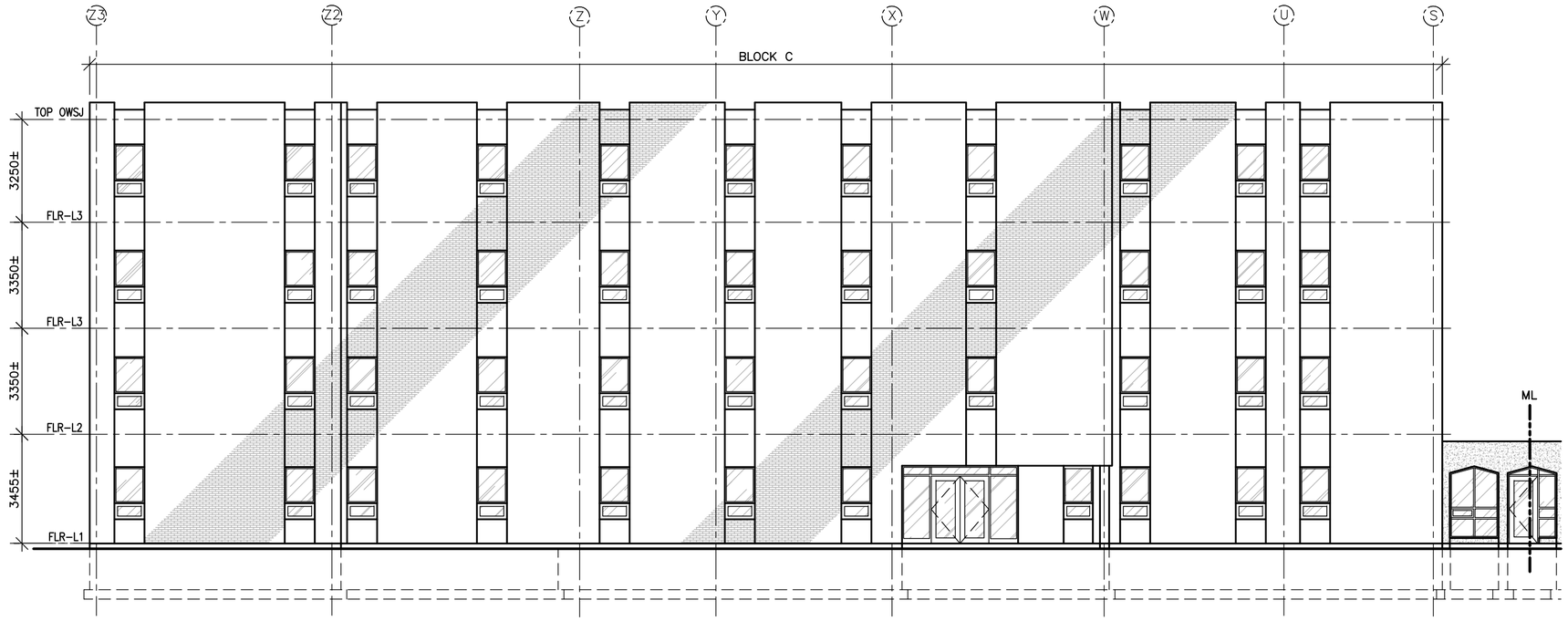
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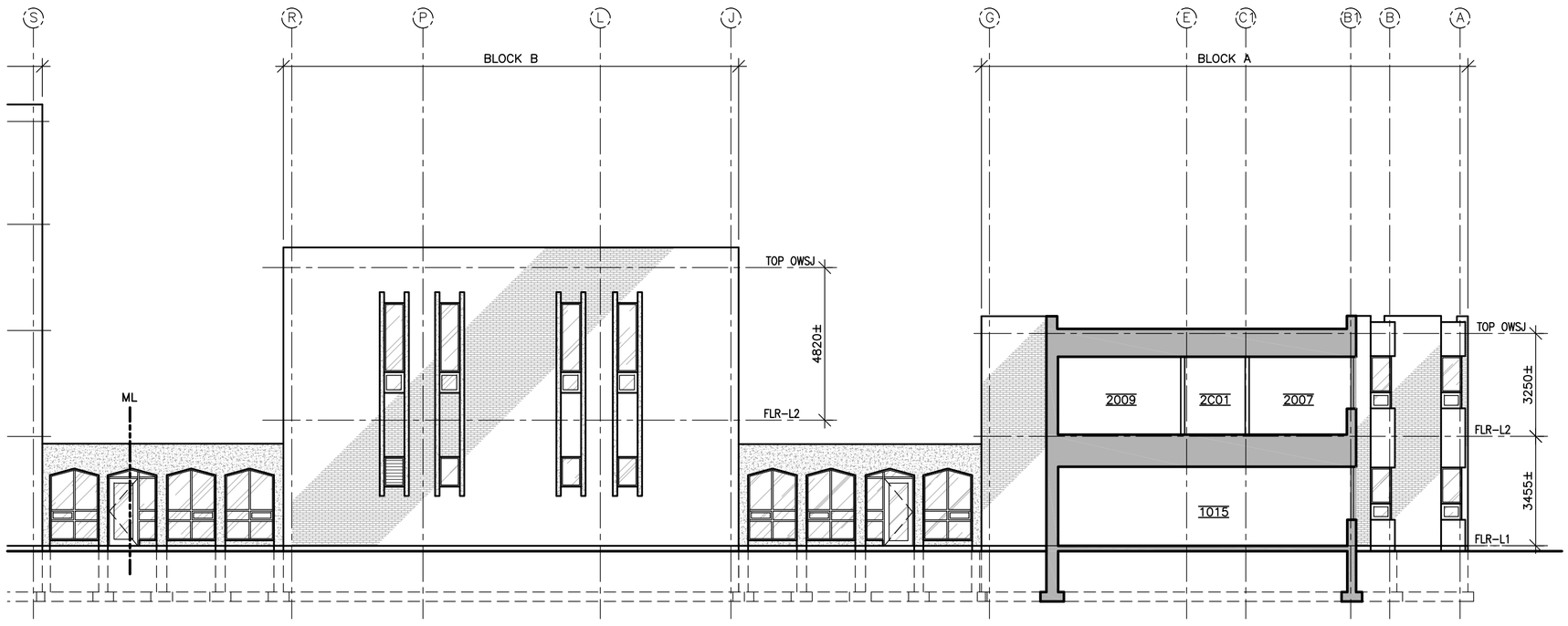
EXISTING STEEL / ALUMINUM / GLASS ENTRANCE DOORS



WEST ELEVATION – BLOCK C

SCALE: 1:125

2
D-3.3



WEST ELEVATION – BLOCK A & BLOCK B

SCALE: 1:125

1
D-3.3

No.	REVISION	DATE
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DRAWING TITLE:

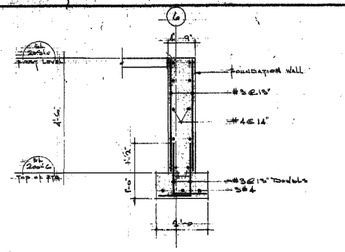
DEMOLITION ELEVATIONS BLOCKS A,B,&C

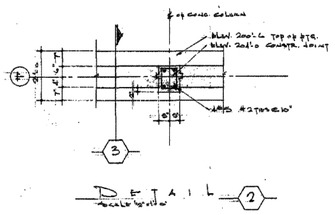
REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **D-3.3**

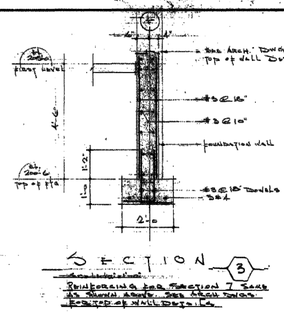
No.	REVISION	DATE
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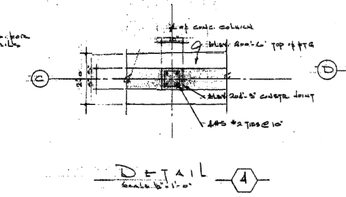
GENERAL NOTES

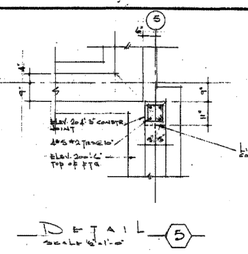
1. DO NOT SCALE FROM THIS DRAWING. THESE SKETCHES ARE INCLUDED FOR REFERENCE ONLY AND DO IMPLY THAT CONDITIONS ON SITE MATCH WHAT IS SHOWN. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY WORK.
2. REMOVE ALL STRUCTURAL FRAMING IN ITS ENTIRETY.
3. DEMOLISH ALL POURED IN PLACE CONCRETE FOUNDATION WALLS, FOOTINGS, AND CONCRETE FLOORS TO A MINIMUM OF 600mm BELOW SUB-GRADE.

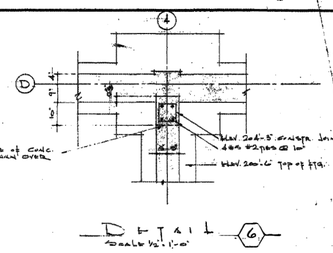


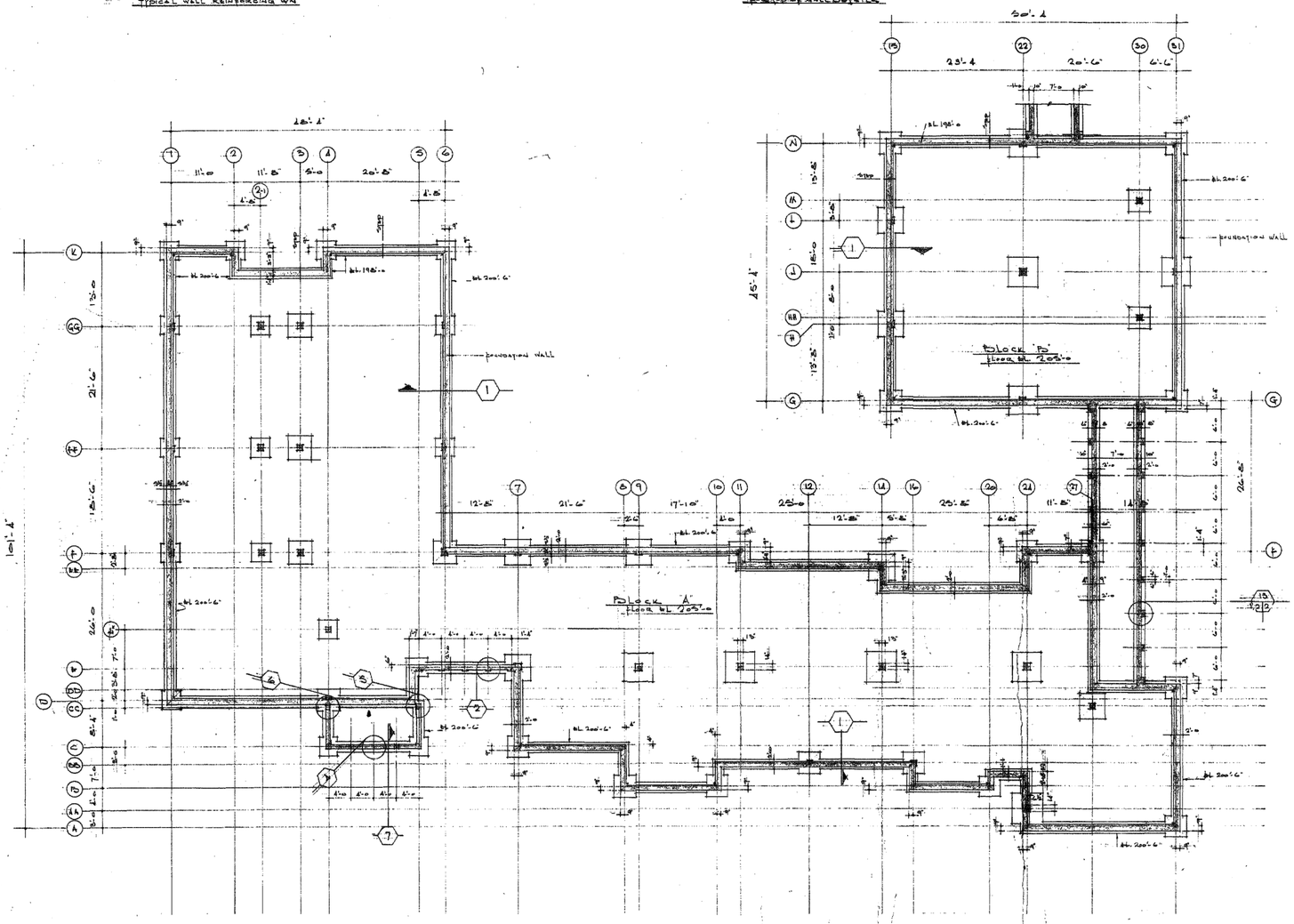












NOTES
1. Standard Details 34.22 Similar Throughout.
2. Design strength of conc. f'c = 30 MPa at 28 days.
3. Footings shall be placed on undisturbed soil having a minimum bearing capacity of 3000 p.s.f.
4. Reinforcing steel shall be intermediate grade, yield strength 60,000 p.s.i. U.N.O.
5. Use 6x6x8 WWF for all interior and exterior slab slabs and on all conc. on steel deck U.N.O.
6. All Details to be checked out and verified with Architectural Details.

REVISIONS

NO.	DESCRIPTION	DATE

NO.	DESCRIPTION	DATE

DETAIL SYMBOL: DETAIL NUMBER / LOCATION SHEET / DETAIL SHEET
NUMBERS 1 to 12

DATE OF ISSUE: Feb. 28, 1968
SCALE: 1/8" = 1'-0"
DATE: 1-6-87 / 1-16-87
DRAWN BY: Ronald Diamond
CHECKED BY:

R.F. Smith — Province of Newfoundland

ARCHITECTS & ENGINEERS
Cummings Dove Whitten
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR
Oct-01-86

COUGHLAN COLLEGE
MEMORIAL UNIVERSITY CAMPUS
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR
FOOTING PLAN BLOCKS A&B — 10567 - S1

STRUCTURAL FOOTING PLAN – BLOCKS A & B
SCALE: N.T.S.

1
SD-1.0

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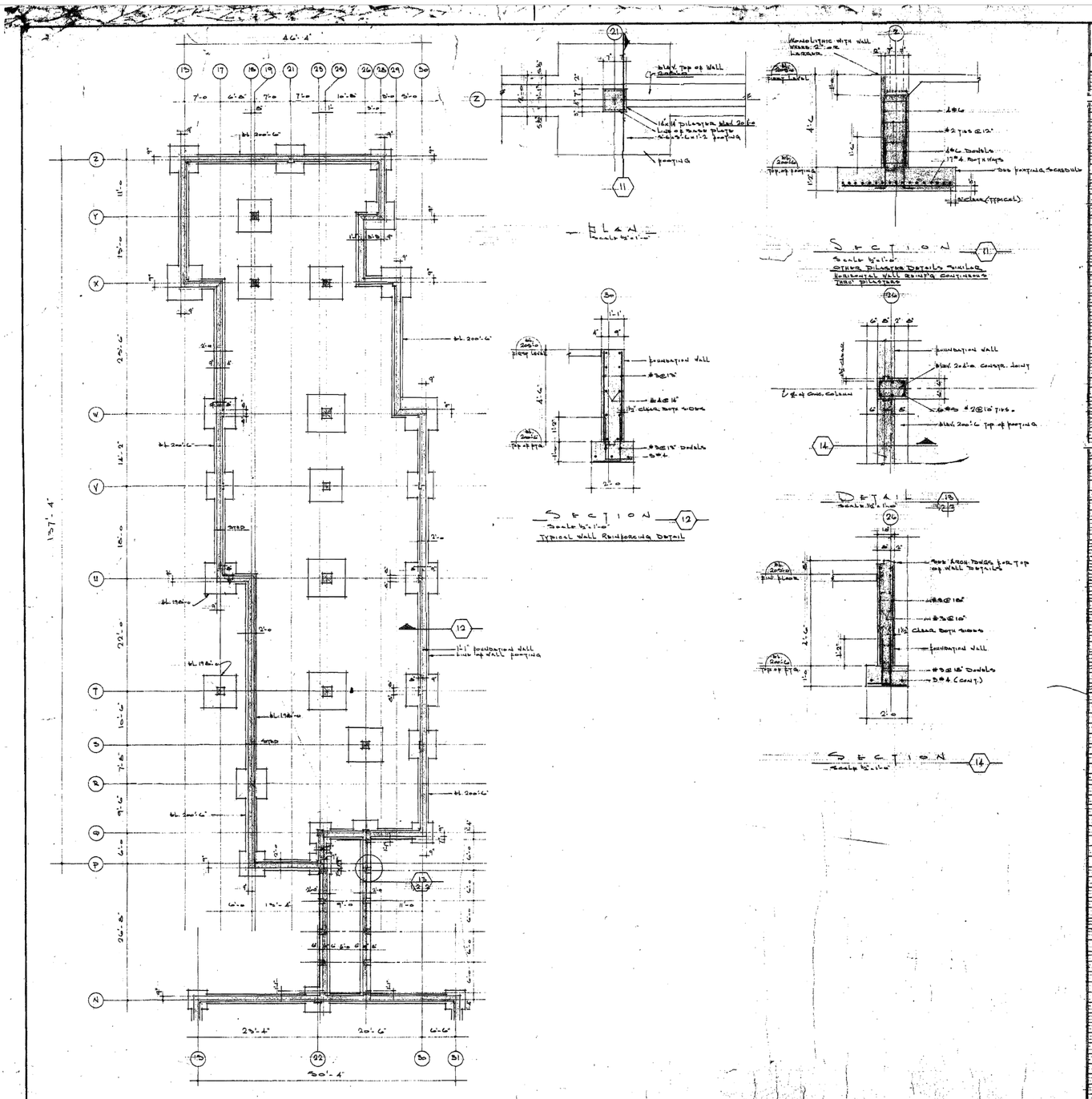
PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

STRUCTURAL FOOTING PLAN BLOCKS A & B

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. **CL-510-25**	DRAWING No. **SD-1.0**



FOOTING SCHEDULE

MARK	FOOTING SIZE	BOT. REINF. BOTH WAYS	ELEV. TOP FTG.	PIER SIZE	PIER REINF.	ELEV. TOP OF PIER	PILASTER SIZE	PILASTER REINF.	ELEV. TOP OF PILASTER	REMARKS
A1	8'-0"x8'-0"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
A1A	8'-0"x8'-0"x1'-0"	15-#4	200'-6				13"x16"	4-#5	204'-0"	
A2	8'-0"x8'-0"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
B1	8'-0"x7'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
B2	8'-0"x7'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
B3	8'-0"x7'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
B3A	8'-0"x7'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
C1	8'-0"x8'-0"x1'-0"	7-#4	200'-6	11"x11"	4-#5	202'-0"				#2 T&B @ 12" FOR 1ST TYP
C1A	8'-0"x8'-0"x1'-0"	7-#4	200'-6	11"x11"	4-#5	202'-0"				
C2	6'-6"x6'-6"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
C2A	6'-6"x6'-6"x1'-0"	12-#4	200'-6	11"x11"	4-#5	202'-0"				
C3	5'-6"x5'-6"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
CC2	6'-6"x6'-6"x1'-0"	12-#4	200'-6	11"x11"	4-#5	202'-0"				
D1	8'-0"x8'-0"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
D1A	8'-0"x8'-0"x1'-0"	16-#4	200'-6				11"x11"	4-#5	202'-0"	
D2	8'-0"x8'-0"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
D3	8'-0"x8'-0"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
E1	6'-6"x6'-6"x1'-0"	12-#4	200'-6				13"x13"	4-#5	204'-0"	
E1A	6'-6"x6'-6"x1'-0"	12-#4	200'-6				13"x13"	4-#5	204'-0"	
F1	5'-3"x5'-3"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
F1A	5'-3"x5'-3"x1'-0"	7-#4	200'-6	11"x11"	4-#5	202'-0"				
F2	4'-0"x4'-0"x1'-0"	10-#4	200'-6	11"x11"	4-#5	202'-0"				
F2A	4'-0"x4'-0"x1'-0"	10-#4	200'-6				11"x11"	4-#5	202'-0"	
F3	4'-0"x4'-0"x1'-0"	10-#4	200'-6				11"x11"	4-#5	202'-0"	
F3A	4'-0"x4'-0"x1'-0"	10-#4	200'-6				11"x11"	4-#5	202'-0"	
G1	8'-9"x8'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
G1A	8'-9"x8'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
G2	6'-0"x6'-0"x1'-0"	10-#4	200'-6				13"x13"	4-#5	204'-0"	
G2A	6'-0"x6'-0"x1'-1"	14-#4	200'-6				13"x13"	4-#5	204'-0"	
G3	8'-9"x8'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
G3A	8'-9"x8'-9"x1'-0"	8-#4	200'-6				11"x11"	4-#5	202'-0"	
G4	8'-3"x8'-3"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
G4A	8'-3"x8'-3"x1'-0"	7-#4	199'-0	11"x11"	4-#5	202'-0"				
G5	6'-0"x6'-0"x1'-0"	10-#4	199'-0	11"x11"	4-#5	202'-0"				
G6	8'-3"x8'-3"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
H1	6'-6"x6'-6"x1'-0"	12-#4	200'-6				13"x13"	4-#5	204'-0"	
H1A	8'-9"x8'-9"x1'-0"	8-#4	201'-0	11"x11"	4-#5	202'-0"				
H2	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	2'-0"	
H2A	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	2'-0"	
H3	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	202'-0"	
H3A	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	202'-0"	
J1	5'-9"x5'-9"x1'-0"	8-#4	203'-0	16"x16"	4-#6	204'-0"				#2 T&B @ 12" FOR 1ST TYP
J1A	5'-9"x5'-9"x1'-0"	15-#4	200'-6				14"x14"	4-#6	204'-0"	
J2	6'-3"x6'-3"x1'-4"	15-#5	198'-0	16"x16"	4-#11	203'-6"				#3 T&B @ 12" FOR 1ST & #11 TYP
J2A	7'-0"x7'-0"x1'-5"	13-#6	200'-6	20"x20"	6-#11	204'-0"				
J3	6'-3"x6'-3"x1'-4"	13-#5	200'-6				16"x17"	4-#11	204'-0"	
J3A	6'-3"x6'-3"x1'-4"	13-#5	198'-0				16"x17"	4-#11	204'-0"	
J4	7'-0"x7'-0"x1'-5"	13-#6	200'-6	20"x20"	4-#11	204'-0"				
J4A	6'-3"x6'-3"x1'-4"	13-#5	200'-6				16"x17"	4-#11	204'-0"	
J4T	8'-9"x8'-9"x1'-5"	13-#5	200'-6				16"x16"	4-#6	204'-0"	
K2A	6'-3"x6'-3"x1'-4"	13-#5	203'-0	16"x16"	4-#6	204'-0"				
K3	8'-9"x8'-9"x1'-5"	13-#5	200'-6				16"x16"	4-#6	204'-0"	
K4	6'-3"x6'-3"x1'-4"	13-#4	200'-6				16"x17"	4-#11	204'-0"	
K5	7'-0"x7'-0"x1'-5"	13-#6	200'-6	20"x20"	4-#11	204'-0"				
K6	6'-3"x6'-3"x1'-4"	13-#5	200'-6				17"x17"	4-#11	204'-0"	
K7	6'-9"x6'-9"x1'-5"	13-#5	200'-6				17"x17"	4-#11	204'-0"	
K8	6'-3"x6'-3"x1'-4"	13-#5	200'-6	16"x16"	4-#11	204'-0"				
K8A	6'-3"x6'-3"x1'-4"	13-#5	200'-6	16"x16"	4-#11	204'-0"				
K9	6'-9"x6'-9"x1'-5"	13-#5	200'-6				17"x17"	4-#11	204'-0"	
L1	5'-3"x5'-3"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
L2	5'-3"x5'-3"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
L3	5'-3"x5'-3"x1'-0"	7-#4	198'-0				11"x11"	4-#5	202'-0"	
L4	8'-3"x8'-3"x1'-0"	7-#4	200'-6				11"x11"	4-#5	202'-0"	
L5	6'-6"x6'-6"x1'-0"	12-#4	200'-6				13"x13"	4-#5	204'-0"	
M1	8'-9"x8'-9"x1'-0"	8-#4	201'-0	11"x11"	4-#5	202'-0"				
M2	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	2'-0"	
M2A	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	2'-0"	
M3	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	202'-0"	
M3A	8'-0"x8'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	202'-0"	
N1	5'-9"x5'-9"x1'-0"	8-#4	203'-0	16"x16"	4-#6	204'-0"				
N1A	5'-9"x5'-9"x1'-0"	15-#4	200'-6				14"x14"	4-#6	204'-0"	
N2	6'-3"x6'-3"x1'-4"	15-#5	198'-0	16"x16"	4-#11	203'-6"				
N2A	7'-0"x7'-0"x1'-5"	13-#6	200'-6	20"x20"	6-#11	204'-0"				
N3	6'-3"x6'-3"x1'-4"	13-#5	200'-6				16"x17"	4-#11	204'-0"	
N3A	6'-3"x6'-3"x1'-4"	13-#5	198'-0				16"x17"	4-#11	204'-0"	
N4	7'-0"x7'-0"x1'-5"	13-#6	200'-6	20"x20"	4-#11	204'-0"				
N4A	6'-3"x6'-3"x1'-4"	13-#5	200'-6				16"x17"	4-#11	204'-0"	
N4T	8'-9"x8'-9"x1'-5"	13-#5	200'-6				16"x16"	4-#6	204'-0"	
N5	6'-3"x6'-3"x1'-4"	13-#4	200'-6				16"x17"	4-#11	204'-0"	
N6	7'-3"x7'-3"x1'-6"	14-#6	200'-6	20"x20"	4-#11	204'-0"				
N7	6'-3"x6'-3"x1'-4"	13-#4	200'-6				17"x17"	4-#11	204'-0"	
X1	6'-9"x6'-9"x1'-5"	16-#5	200'-6				17"x17"	4-#11	204'-0"	
X1A	6'-3"x6'-3"x1'-4"	13-#5	200'-6	16"x16"	4-#11	204'-0"				
X2A	6'-3"x6'-3"x1'-4"	13-#5	200'-6	16"x16"	4-#11	204'-0"				
X3	6'-9"x6'-9"x1'-5"	12-#5	200'-6				17"x17"	4-#11	204'-0"	
X4	6'-9"x6'-9"x1'-5"	12-#5	200'-6				17"x17"	4-#11	204'-0"	
Y1	6'-3"x6'-3"x1'-4"	13-#4	203'-0	16"x16"	4-#6	204'-0"				
Y2A	6'-6"x6'-6"x1'-5"	17-#4	200'-6				18"x18"	4-#6	204'-0"	
Z2A	6'-6"x6'-6"x1'-5"	17-#4	200'-6				18"x18"	4-#6	204'-0"	
Z2B	4'-0"x4'-0"x1'-0"	10-#4	200'-6				12"x12"	4-#5	202'-0"	

NOTES
1. DESIGN STRENGTH OF CONC. 30MPa @ 28 DAYS.
2. FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 150kPa @ 0.6 m.
3. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE, YIELDING STRESS 300,000 P.S.I. MIN.
4. 0.38 CC/SQ. MM. FOR ALL INTERIOR AND EXTERIOR ONE SLABS AND WALLS.

ALL CONC. ON STEEL DECK U/N.

NO.	DESCRIPTION	DATE

NO.	DESCRIPTION	DATE

DETAIL SYMBOL: DETAIL NUMBER / LOCATION SHEET / DETAIL SHEET

NUMBERS II 1989

DATE OF ISSUE: OCT. 2025

SCALE: AS SHOWN

DATE: OCTOBER 1989

DRAWN BY: M.F.

CHECKED BY: J.A.

APPROVED BY: M.F.

ARCHITECTS & ENGINEERS

Cummings Dove Whitten

ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

COUGHLAN COLLEGE
MEMORIAL UNIVERSITY CAMPUS
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

FOOTING PLAN & DETAILS BLOCK C
FOOTING SCHEDULE BLOCKS A,B & C

10567 - S2

TRANSTEX IS 1024-07

STRUCTURAL FOOTING PLAN – BLOCK C

SCALE: N.T.S.

1
SD-1.1

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING. THESE SKETCHES ARE INCLUDED FOR REFERENCE ONLY AND DO IMPLY THAT CONDITIONS ON SITE MATCH WHAT IS SHOWN. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY WORK.
2. REMOVE ALL STRUCTURAL FRAMING IN ITS ENTIRETY.
3. DEMOLISH ALL POURED IN PLACE CONCRETE FOUNDATION WALLS, FOOTINGS, AND CONCRETE FLOORS TO A MINIMUM OF 600mm BELOW SUB-GRADE.

MEMORIAL UNIVERSITY
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- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

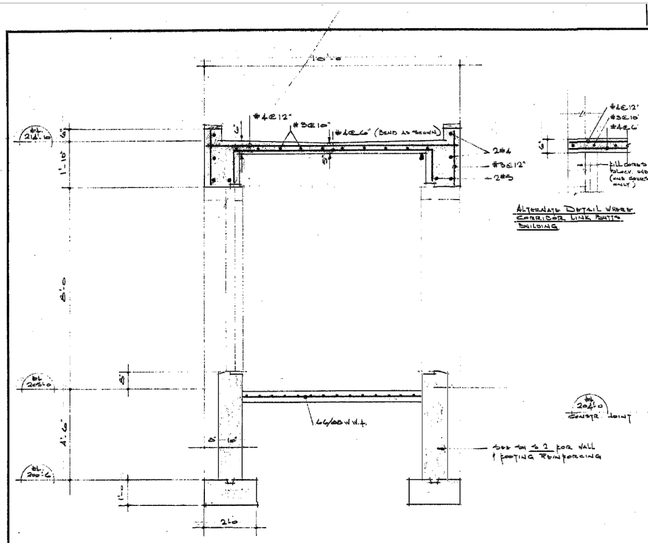
STRUCTURAL FOOTING PLAN BLOCKS A & B

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. CL-510-25	DRAWING No. SD-1.1

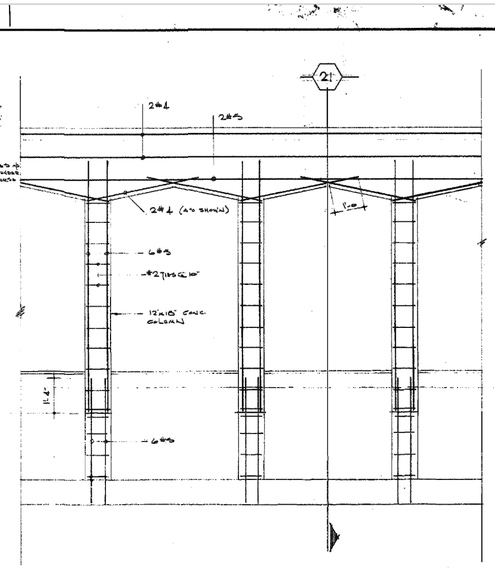
No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

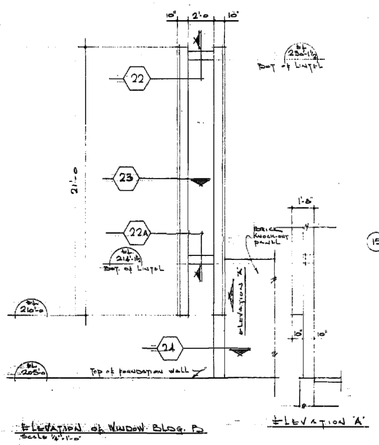
1. DO NOT SCALE FROM THIS DRAWING. THESE SKETCHES ARE INCLUDED FOR REFERENCE ONLY AND DO IMPLY THAT CONDITIONS ON SITE MATCH WHAT IS SHOWN. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY WORK.
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SECTION 21
Scale ½"=1'-0"
FOR FOUNDATION REINFORCING SEE SECTIONS 2/S-2.2

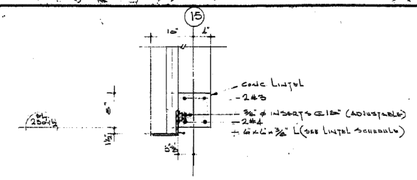


TYPICAL ELEVATION OF CONCRETE LINK BETWEEN BLDGS. A-B & B-C
SHOWING ARRANGEMENT OF REINFORCING
Scale ½"=1'-0"

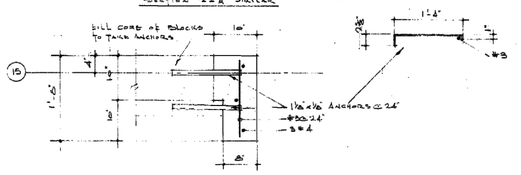


ELEVATION OF WINDOW BLDG. B
Scale ½"=1'-0"

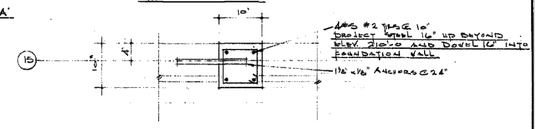
ELEVATION 'A'



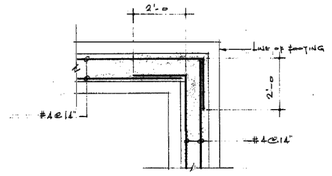
SECTION 22
Scale 1"=1'-0"
Section 22A Similar



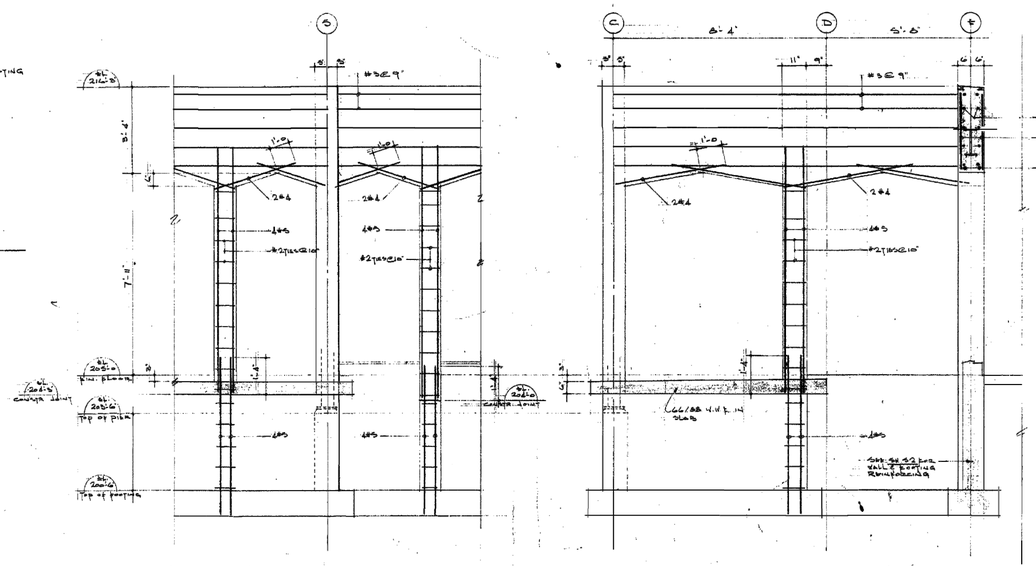
SECTION 23
Scale 1"=1'-0"
TYPICAL LOAD DETAIL



SECTION 24
Scale 1"=1'-0"
THIS SECTION APPLICABLE ONLY ON CONC. LINTELS ADJACENT TO KNOCK-OUT PANEL.



TYPICAL WALL REINFORCING AT CORNER
Scale ½"=1'-0"



PART ELEVATIONS OF CONC. COLUMNS MAIN ENTRANCE BLOCK 'A'
Scale ½"=1'-0"

NOTES	REVISIONS NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE

DETAIL SYMBOL: DETAIL NUMBER / LOCATION SHEET / DETAIL SHEET
NUMBERS 21 to 30

DATE OF ISSUE: Feb. 28, 1940
SCALE: AS SHOWN
DATE: June 46
DRAWN BY: [illegible]
CHECKED BY

REGISTERED PROFESSIONAL ENGINEER — RENEWED — PROVINCE OF NEWFOUNDLAND

ARCHITECTS & ENGINEERS
Cummings Dove Whitten
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

COUGHLAN COLLEGE
MEMORIAL UNIVERSITY CAMPUS
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

REINFORCED CONCRETE DETAILS | 10567 - S3

TRANSTEX 10 800-40

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PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

STRUCTURAL REINFORCED CONCRETE DETAILS

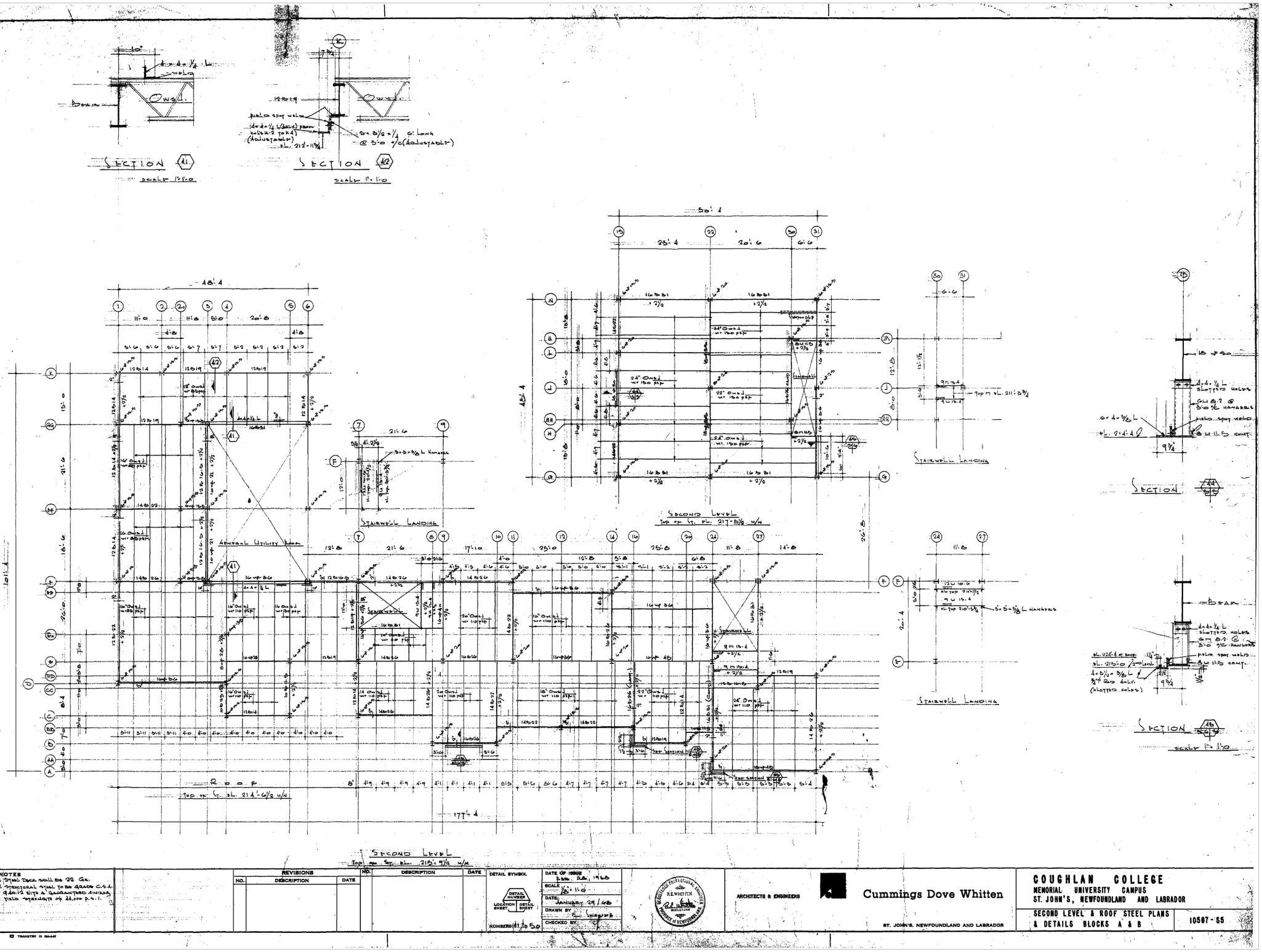
REVIEWED: M.F.	DRAWN: J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. CL-510-25	DRAWING No. SD-1.2

STRUCTURAL REINFORCED CONCRETE DETAILS
SCALE: N.T.S.

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING. THESE SKETCHES ARE INCLUDED FOR REFERENCE ONLY AND DO IMPLY THAT CONDITIONS ON SITE MATCH WHAT IS SHOWN. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY WORK.
2. REMOVE ALL STRUCTURAL FRAMING IN ITS ENTIRETY.
3. DEMOLISH ALL POURED IN PLACE CONCRETE FOUNDATION WALLS, FOOTINGS, AND CONCRETE FLOORS TO A MINIMUM OF 600mm BELOW SUB-GRADE.



NOTES
1. Steel Deck shall be 22 Ga.
2. Structural steel to be grade C.S.A. G40.12 with a guaranteed minimum yield strength of 44,000 p.s.i.

REVISIONS NO.	DESCRIPTION	DATE

NO.	DESCRIPTION	DATE

DETAIL SYMBOL: DETAIL NUMBER / LOCATION SHEET / DETAIL SHEET

DATE OF ISSUE: June 26, 1960
SCALE: 1/8" = 1'-0"
DATE: January 29/68
DRAWN BY: [illegible]
CHECKED BY:
NUMBERS 41 to 50

R.E. WHITTEN — SIGNATURE — REGISTERED PROFESSIONAL ENGINEER PROVINCE OF NEWFOUNDLAND

ARCHITECTS & ENGINEERS
Cummings Dove Whitten
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

COUGHLAN COLLEGE
MEMORIAL UNIVERSITY CAMPUS
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR
SECOND LEVEL & ROOF STEEL PLANS & DETAILS BLOCKS A & B
10587-55

TRANSTEX IS 250-60

MEMORIAL UNIVERSITY
FACILITIES MANAGEMENT

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PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

STRUCTURAL SECOND LEVEL & ROOF STEEL PLANS BLOCKS A & B

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. CL-510-25	DRAWING No. SD-1.3

STRUCTURAL SECOND LEVEL & ROOF STEEL PLANS BLOCKS A & B

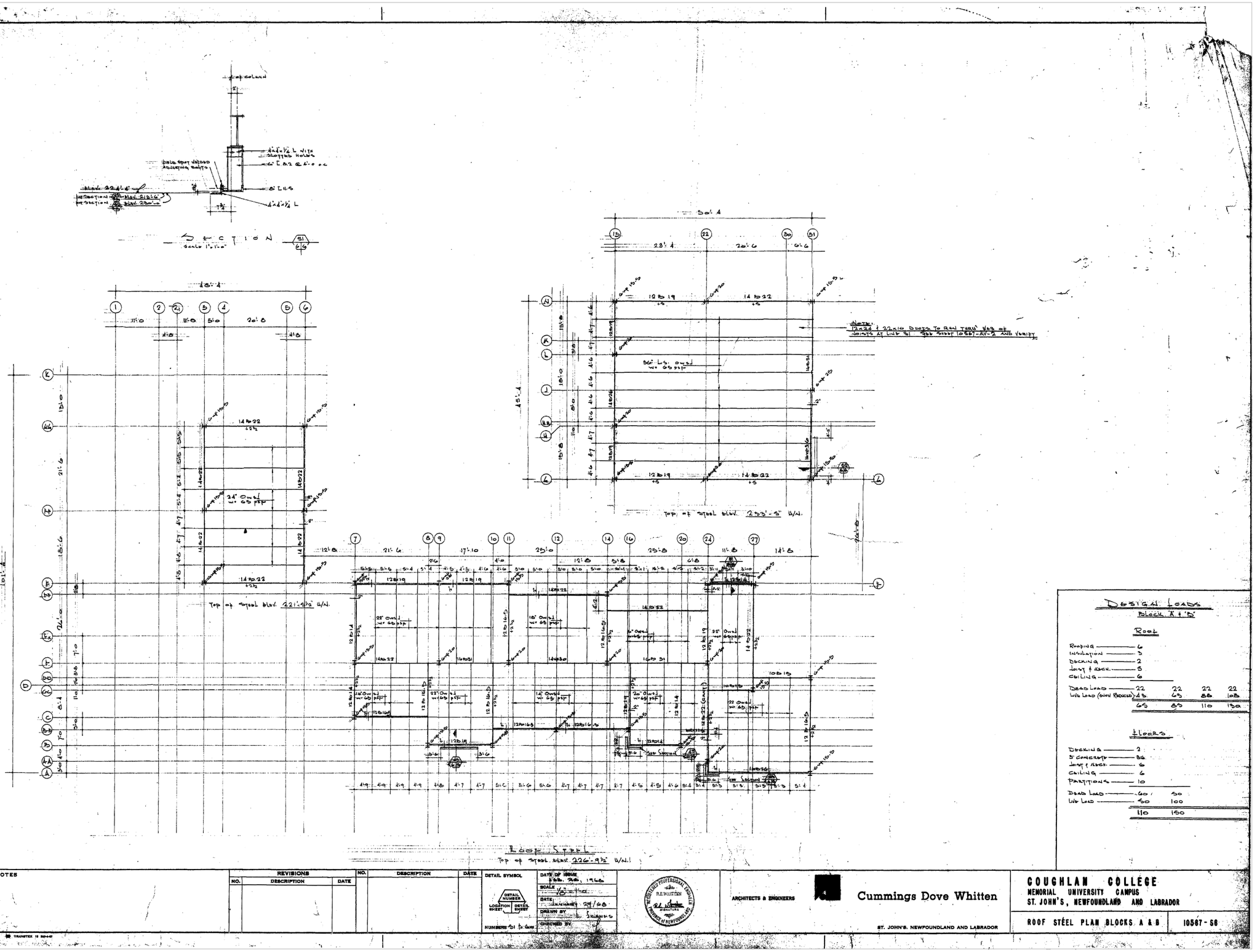
SCALE: N.T.S.

1
SD-1.3

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING. THESE SKETCHES ARE INCLUDED FOR REFERENCE ONLY AND DO IMPLY THAT CONDITIONS ON SITE MATCH WHAT IS SHOWN. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY WORK.
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3. DEMOLISH ALL POURED IN PLACE CONCRETE FOUNDATION WALLS, FOOTINGS, AND CONCRETE FLOORS TO A MINIMUM OF 600mm BELOW SUB-GRADE.



NOTES	REVISIONS NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE

DETAIL SYMBOL: DETAIL NUMBER / LOCATION SHEET / DETAIL EXIST

NUMBERS S1 to S100

DATE OF ISSUE: Feb. 28, 1966
SCALE: 1/8" = 1'-0"
DATE: January 29/66
DRAWN BY: L. Richards
CHECKED BY:

R.E. WHITTEN — REGISTERED PROFESSIONAL ENGINEER — PROVINCE OF NEWFOUNDLAND

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ROOF STEEL PLAN BLOCKS A & B | 10567-66

MEMORIAL UNIVERSITY
FACILITIES MANAGEMENT

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- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

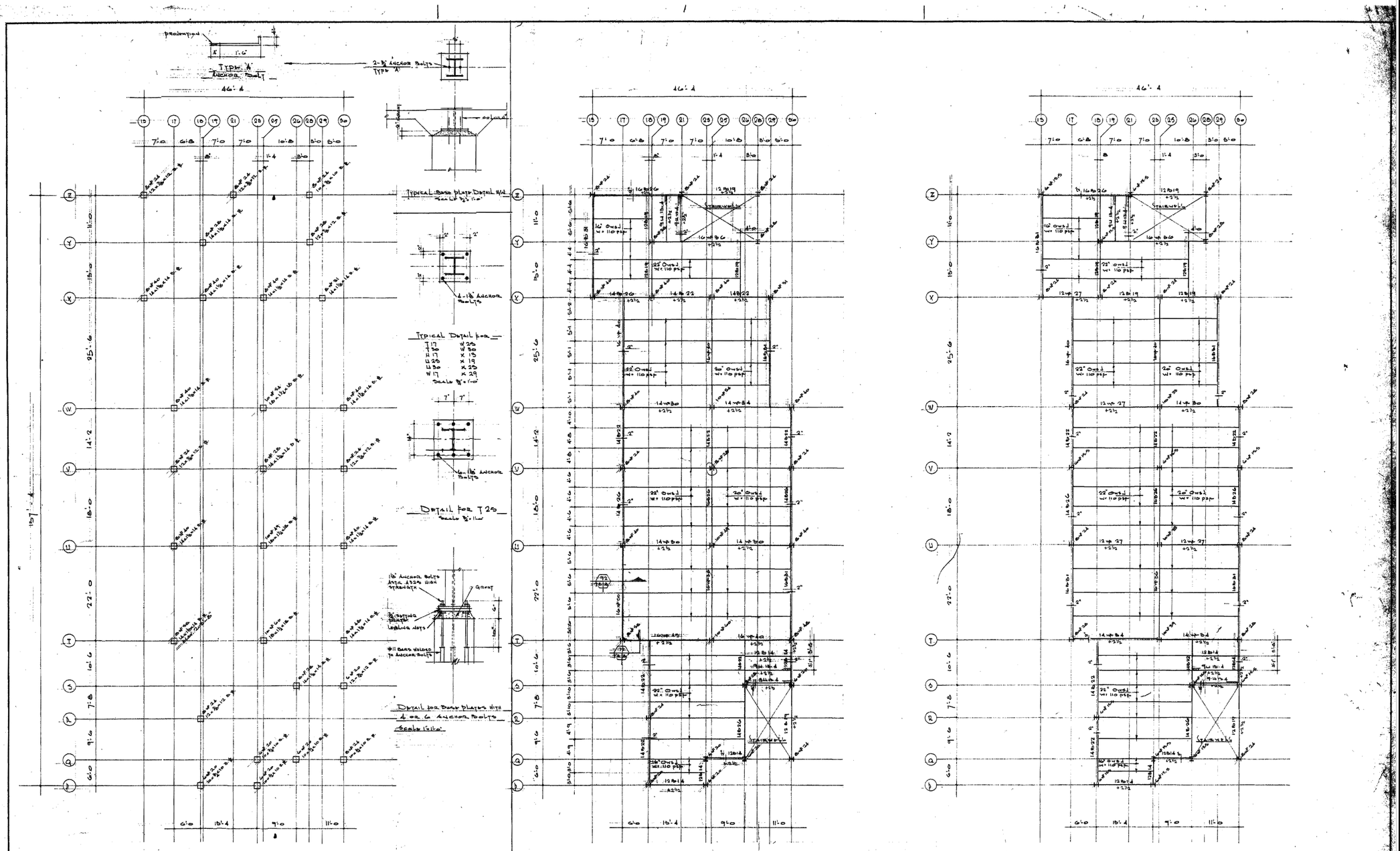
STRUCTURAL ROOF STEEL PLAN BLOCKS A & B

REVIEWED: M.F.	DRAWN: J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No.: CL-510-25	DRAWING No.: SD-1.4

STRUCTURAL ROOF STEEL PLAN BLOCKS A & B

SCALE: N.T.S.

1 SD-1.4



No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING. THESE SKETCHES ARE INCLUDED FOR REFERENCE ONLY AND DO IMPLY THAT CONDITIONS ON SITE MATCH WHAT IS SHOWN. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY WORK.
2. REMOVE ALL STRUCTURAL FRAMING IN ITS ENTIRETY.
3. DEMOLISH ALL POURED IN PLACE CONCRETE FOUNDATION WALLS, FOOTINGS, AND CONCRETE FLOORS TO A MINIMUM OF 600mm BELOW SUB-GRADE.

MEMORIAL UNIVERSITY
FACILITIES MANAGEMENT

This University was raised by the people of Newfoundland as a memorial to the fallen in the great wars, 1914-1918, 1939-1945, that in freedom of learning, their cause and sacrifice might not be forgotten.

- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

STRUCTURAL LEVEL 2 & 3 STEEL PLANS BLOCK C

NOTES
1. STEEL DECK SHALL BE 22 GA.
2. STRUCTURAL STEEL TO BE GRADE 350W UNLESS NOTED OTHERWISE.
3. DESIGN LOADS AS PER NBC 2005 AS FOLLOWS:
   - ROOF: 1.0 kPa
   - FLOOR: 4.8 kPa

REVISIONS					
NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE

DETAIL SYMBOL: DETAIL NUMBER / LOCATION SHEET / DETAIL SHEET
NUMBERS: 1st & 2nd

DATE OF ISSUE: Feb. 22, 1966
SCALE: ⅛" = 1'-0
DATE: January 24/66
DRAWN BY: L.L.
CHECKED BY:

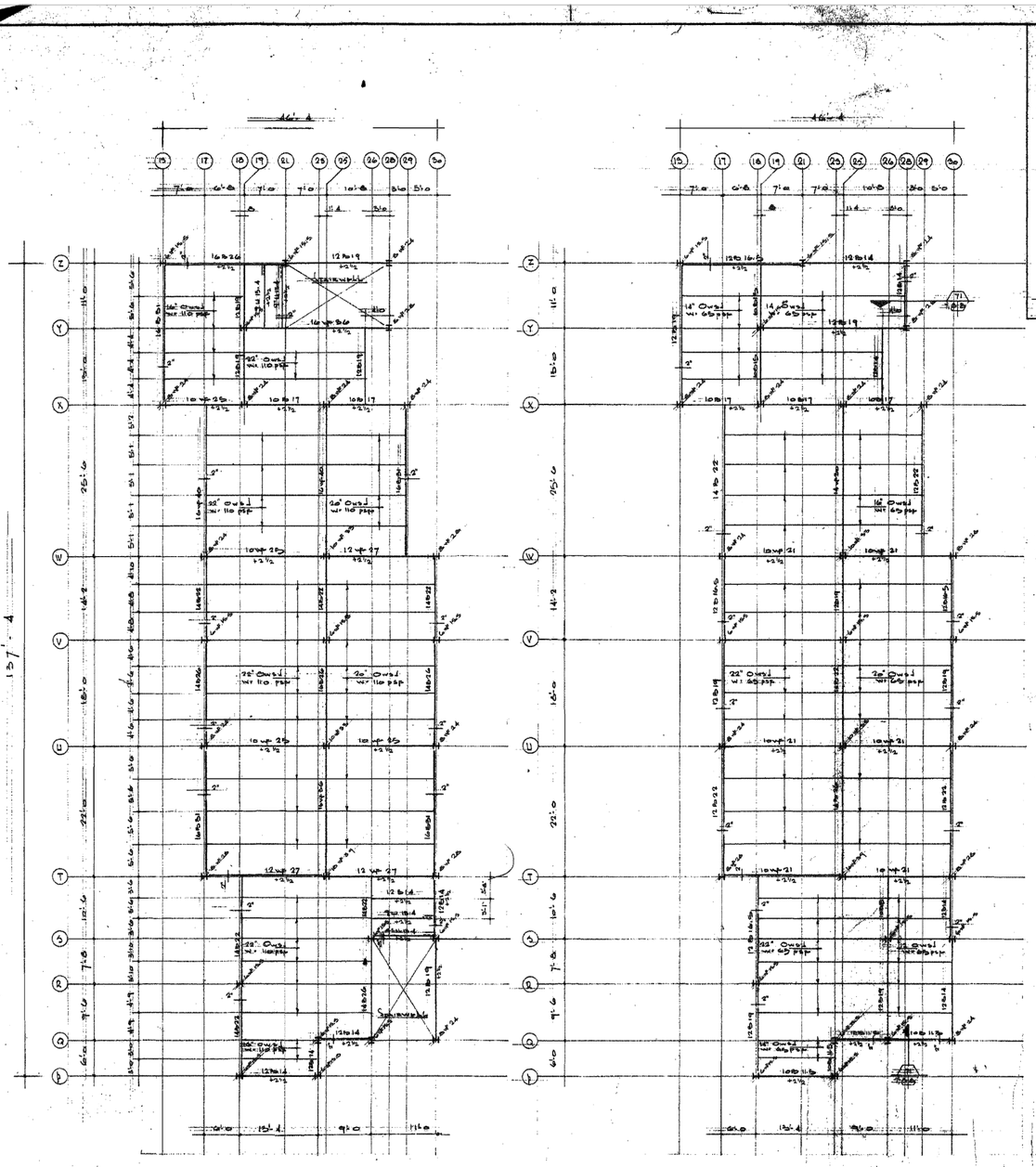
R.W. WHITTEN — 21 — REGISTERED PROFESSIONAL ENGINEER — PROVINCE OF NEWFOUNDLAND

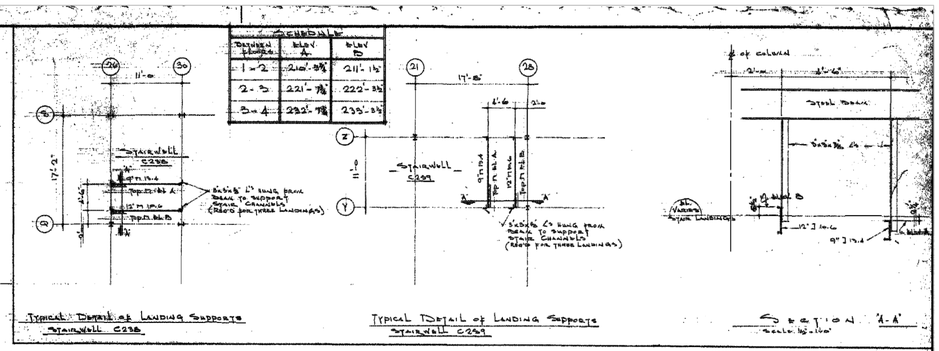
ARCHITECTS & ENGINEERS
Cummings Dove Whitten
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

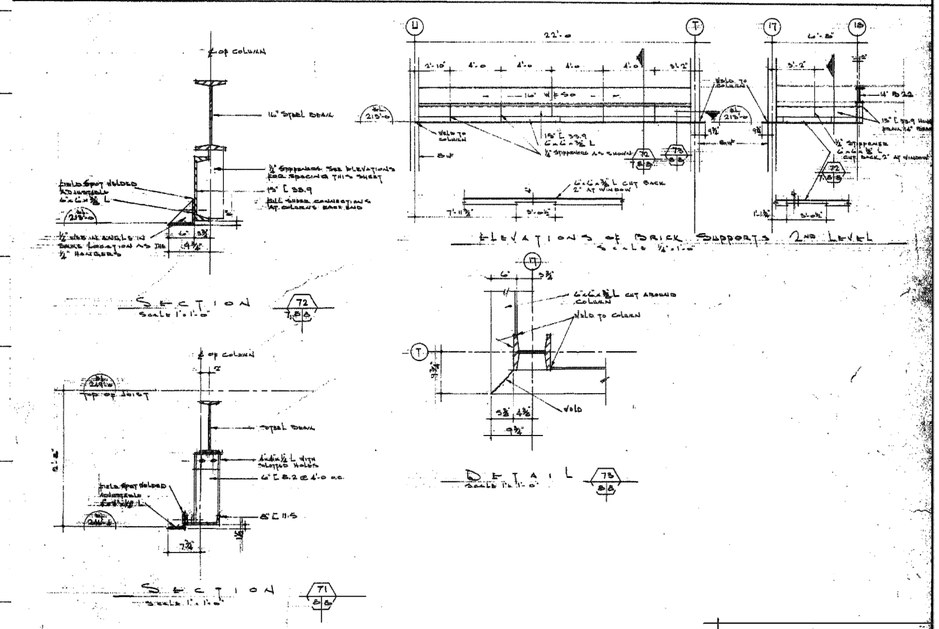
COUGHLAN COLLEGE
MEMORIAL UNIVERSITY CAMPUS
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR
BASE PLATE SECOND & THIRD LEVEL STEEL PLANS & DETAILS BLOCK C
10567 - 67

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE: AS SHOWN	DATE: OCTOBER 2025
MUN PROJECT No. CL-510-25	DRAWING No. SD-1.5

STRUCTURAL LEVEL 2 & 3 STEEL PLANS BLOCK C
SCALE: N.T.S.







Loose Lintel Schedule			
No. Reqd	Size	Length	Remarks
116	3½ x 3½ x ¼	4'-6"	
2	3½ x 3½ x ¼	5'-6"	
3	3½ x 3½ x ¼	2'-6"	
3	5" x 3½ x ¼	7'-6"	
8	6" x 4" x ⅜	11'-11⅜"	2-⅞ ø Holes @ 10" c/c
2	5" x 3½ x ¼	6'-6"	

ALL ANGLES TO BE GALVANIZED

Design Loads
Block C
Roof

Roofing	5
Insulation	9
Topcoat	2
Joist & Mech.	5
Ceiling	6
Dead Load	22
Live Load (Snow Removed)	43
Total Design Load	65

Floor

Decking	2
5" Conc.	36
Joist & Mech.	6
Ceiling	6
Partitions	10
Dead Load	60
Live Load	50
Total Design Load	110

NOTES
1. STEEL DECK SHALL BE 22 GA.
2. STRUCTURAL STEEL TO BE GRADE 350W CSA G40.21 WITH A CERTIFICATE FROM AN APPROVED MILL. FABRICATION AND ERECTION TO CSA S16.1-94.

REVISIONS					
NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	DATE

DETAIL SYMBOL: DETAIL NUMBER / LOCATION OF DETAIL / SHEET NUMBER

DATE OF ISSUE: October 20th, 1965
SCALE:
DATE:
DRAWN BY:
CHECKED BY:

R.V. WHITTEN — REGISTERED PROFESSIONAL ENGINEER — NEWFOUNDLAND

ARCHITECTS & ENGINEERS
Cummings Dove Whitten
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR

COUGHLAN COLLEGE
MEMORIAL UNIVERSITY CAMPUS
ST. JOHN'S, NEWFOUNDLAND AND LABRADOR
FOURTH LEVEL & ROOF STEEL PLANS & DETAILS BLOCK C
10587 - 58

No.	REVISION	DATE
R0	ISSUED FOR TENDER	OCT 6 2025

GENERAL NOTES

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- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:

COUGHLAN COLLEGE BUILDING DEMOLITION CP-1

DRAWING TITLE:

STRUCTURAL LEVEL 4 & ROOF STEEL PLANS BLOCK C

REVIEWED:	DRAWN:
M.F.	J.A.
SCALE:	DATE:
AS SHOWN	OCTOBER 2025
MUN PROJECT No.	DRAWING No.
CL-510-25	**SD-1.6**

STRUCTURAL LEVEL 4 & ROOF STEEL PLANS BLOCK C
SCALE: N.T.S.