



RETURN BIDS TO:

**RETOURNER LES
SOUMISSIONS À :**

NRC.BidReceiving-
ReceptiondesSoumissions.CNRC@nrc-cnrc.gc.ca

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

Proposal To: National Research Council Canada

We hereby offer to sell to His Majesty the King in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out thereof.

Proposition au x : Conseil national de recherches Canada

Nous offrons par la présente de vendre à ~~Son~~ Sa Majesté le Roi du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexées, au(x) prix indiqué(s).

Instructions : See Herein

**Instructions: Voir aux présentes
Comments - Commentaires**

**Vendor/Firm Name and address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

**Issuing Office – Bureau de distribution
National Research Council Canada
Conseil national de recherches Canada**

Title – Sujet U-66 Exterior Envelope Replacement Design Consultant	
Solicitation No. – N° de l'invitation 23-58220	Date February 1, 2024
Solicitation Closes – L'invitation prend fin at – à 02 :00 PM on – le February 29, 2024	Time Zone Fuseau horaire EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Inquiries to : - Adresser toutes questions à: Collin Long	
Email address – l'adresse courriel: Collin.Long@nrc-cnrc.gc.ca	
Destination – of Goods, Services, and Construction: Destination – des biens, services et construction :	
1200 Montreal Road Ottawa, Ontario K1A 0R6	

Vendor/firm Name and address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Facsimile No. – N° de télécopieur Telephone No. – N° de téléphone	
Name and title of person authorized to sign on behalf of Vendor/firm (type or print)- Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date



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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

1. Before award of a contract, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 6 - Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 6 - Resulting Contract Clauses;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful Bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, please contact NRC's personnel security administrator at NRC.SS-PersonnelSecurity-SdeS-SecureduPersonnel.CNRC@nrc-cnrc.gc.ca

1.2 Statement of Work

To provide *feasibility design, detailed design, services during tender and services during construction of the exterior envelope* in accordance with the detailed Statement of Work attached as Annex "A".

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.



PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

You are invited to submit one electronic Technical Proposal and one electronic Financial Proposal in two separate attachments to fulfil the following requirement forming part of this Request for Proposal. One attachment must be clearly marked 'Technical Proposal' and the other attachment must be marked 'Financial Proposal'. All financial information must be fully contained in the Financial Proposal, and only in the Financial Proposal. Vendors who provide financial information in the technical proposal will be disqualified. All proposals should include the front page of this RFP duly completed.

[2035 \(2022/12/01\)](#), General Conditions - Services (Higher Complexity) apply to and form part of the Contract.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

Proposals submitted must be valid for not less than sixty (60) calendar days from the closing date of the RFP.

2.1.1 It is the Bidder's responsibility to:

- (a) return a signed copy of the bid solicitation, duly completed, IN THE FORMAT REQUESTED;
- (b) direct its bid ONLY to the Bid Receiving address specified;
- (c) ensure that the Bidder's name, the bid solicitation reference number, and bid solicitation closing date and time are clearly visible;
- (d) provide a comprehensive and sufficiently detailed bid, including all requested pricing details, that will permit a complete evaluation in accordance with the criteria set out in the bid solicitation.

Timely and correct delivery of bids to the specified bid delivery address is the sole responsibility of the Bidder. The National Research Council Canada (NRC) will not assume or have transferred to it those responsibilities. All risks and consequences of incorrect delivery of bids are the responsibility of the Bidder.

2.1.2 Bids may be accepted in whole or in part. The lowest or any bid will not necessarily be accepted. In the case of error in the extension of prices, the unit price will govern. NRC may enter into contract without negotiation.

2.1.3 Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the terms and conditions of the resulting contract.

2.1.4 While NRC may enter into contract without negotiation, Canada reserves the right to negotiate with bidders on any procurement.

2.1.5 Notwithstanding the bid validity period stipulated in this solicitation, Canada reserves the right to seek an extension from all responsive bidders, within a minimum of three (3) days prior to the end of such period. Bidders shall have the option to either accept or reject the extension.

2.1.6 If the extension referred to above is accepted, in writing, by all those who submitted responsive bids, then Canada shall continue immediately with the evaluation of the bids and its approval processes.



2.1.7 If the extension referred to above is not accepted, in writing, by all those who submitted responsive bids then Canada shall, at its sole discretion: either continue to evaluate the responsive bids of those who have accepted the extension and seek the necessary approvals; or cancel the solicitation; or cancel and reissue the solicitation.

2.2 Mandatory Site Visit

It is **mandatory** that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for the site visits to be held at Building U66, 1920 Research Private on February 8 and 9, 2024. The site visit will begin at 2:00pm EST.

Bidders must communicate with the Contracting Authority no later than February 7, 2024 at 14:00 to confirm attendance and provide the name(s) of the person(s) who will attend. Bidders will be required to sign an attendance sheet. Bidders should confirm in their bid that they have attended the site visit. Bidders who do not attend the mandatory site visit or do not send a representative will not be given an alternative appointment and their bid will be declared non-responsive. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

2.3 Late Bids

All risks and consequences of incorrect delivery of electronic bids are the responsibility of the Bidder. The National Research Council Canada will not be responsible for late bids received at destination after the closing date and time, even if it was submitted before. Electronic bids received after the indicated closing time based on NRC servers' received time will be irrevocably rejected. Bidders are urged to send their proposal in sufficient time, in advance of the closing time to reduce any technical issues. The National Research Council Canada will not be held responsible for bids sent before closing time but received by the NRC servers after the closing time.

2.4 Submission of Bids

Technical and Financial Proposals must be **received electronically** no later than 14:00 **EST** (NRC's Server Time), *February 29, 2024*, to the following NRC email address:

NRC.BidReceiving-ReceptiondesSoumissions.CNRC@nrc-cnrc.gc.ca

The NRC has restrictions on incoming e-mail messages. **The maximum e-mail message size including all file attachments must not exceed 10MB.** Zip files or links to bid documents will not be accepted. Incoming e-mail messages exceeding the maximum file size and/or containing zip file attachments will be blocked from entering the NRC e-mail system. A bid transmitted by e-mail that gets blocked by the NRC e-mail system will be considered not received.

Proposals must not be sent directly to the Contracting Authority or the Project Authority.

All submitted proposals become the property NRC.

2.5 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with



Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the [Financial Administration Act](#), R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes () No ()**

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2019-01](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes () No ()**

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.



2.6 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Contracting Authority, Procurement Services
National Research Council Canada
NAME - Collin.Long@nrc-cnrc.gc.ca Collin Long

To ensure the equality of information among Bidders, responses to general enquiries will be made available to all bidders unless such publications would reveal proprietary information. The bidder who initiates the question will not be identified. Technical questions that are considered proprietary by the bidder must be clearly identified. NRC will respond individually to the bidder if it considers the questions proprietary. If NRC does not consider the question proprietary, the bidder submitting it will be allowed to withdraw the question, or have the question and answer made available through the Open Bidding System (OBS) to all bidders.

Bidders who attempt to obtain information regarding any aspect of this RFP during the solicitation period through any NRC contacts other than the Contracting Authority identified herein, may be disqualified (for that reason alone).

It is the responsibility of the Bidder to obtain clarification of the requirement contained herein, if necessary, prior to submitting its proposal. The Bidder must have written confirmation from the Contracting Authority for any changes, alterations, etc., concerning this RFP.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.7 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

2.8 Bid Challenge and Recourse Mechanisms

If you have any concerns relating to the procurement process, please refer to the [Recourse Mechanisms](#) page on the Buyandsell.gc.ca website. Please note that there are strict deadlines for filing complaints with the Canadian International Trade Tribunal (CITT) or the [Office of the Procurement Ombudsman \(OPO\)](#). Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

<https://buyandsell.gc.ca/for-businesses/selling-to-the-government-of-canada/bid-follow-up/bid-challenge-and-recourse-mechanisms>

<https://opo-boa.gc.ca/plaintesurvol-complaintoverview-eng.html>



PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that the Bidder submits its bid in separate attachment sections (when applicable) as follows:

- Section I: Technical Bid
- Section II: Financial Bid
- Section III: Certifications

There shall be no payment by the National Research Council for costs incurred in the preparation and submission of proposals in response to this request. No payment shall be made for costs incurred for clarification(s) and/or demonstration(s) that may be required by NRC. The National Research Council reserves the right to reject any or all proposals submitted, or to accept any proposal in whole or in part without negotiation. A contract will not necessarily be issued as a result of this competition. NRC reserves the right to amend, cancel or reissue this requirement at any time.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) Include all environmental certification(s) relevant to your organization (e.g., ISO 14001, Leadership in Energy and Environmental Design (LEED), Carbon Disclosure Project, etc.)
- 2) Include all environmental certification(s) or Environmental Product Declaration(s) (EPD) specific to your product/service (e.g., Forest Stewardship Council (FSC), ENERGYSTAR, etc.)

Canada is committed to greening its supply chain. Environmentally preferable goods and services are those that have a lesser or reduced impact on the environment over the life cycle of the good or service, when compared with competing goods or services serving the same purpose. Environmental performance considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; and reduced toxic and hazardous substances. In accordance with the [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>), for this solicitation:

- Bidders are encouraged to offer or suggest green solutions whenever possible.
- Bidders are requested to provide all correspondence including (but not limited to) documents, reports and invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material.
- Bidders should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).
- Product components used in performing the services should be recyclable and/or reusable, whenever possible.
- Bidders are encouraged to offer goods and/or services certified to a reputable eco-label.
- Bidders should use equipment that has high energy efficiency or produces low air emissions.
- Bidders are encouraged to offer environmentally preferred products which supports a sustainable environment for nature and wildlife.
- Bidders are encouraged to offer environmentally preferred products which ensure the comfort and air quality of building occupants.



Bidders are encouraged to consult the following websites:
<https://www.tpsgc-pwgsc.gc.ca/app-acq/ae-gp/index-eng.html>
<https://www.tpsgc-pwgsc.gc.ca/app-acq/ae-gp/rle-qlr-eng.html>

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid

Payments from the National Research Council Canada (NRC) are made by electronic payment. Direct deposit payments will be made in Canadian dollars and can only be deposited into Canadian bank accounts.

Only bank accounts outside of Canada are eligible to enroll as a Wire transfer payment method.

3.1.2 Exchange Rate Fluctuation

Bids will be evaluated in Canadian currency, therefore, for evaluation purposes, the exchange rate quoted by the Bank of Canada as being in effect on date of bid closing, shall be applied as the conversion factor for foreign currency. Prices quoted shall not be subject to, or conditional upon, fluctuations in commercial or other interest rates during either the evaluation or contract period.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.



PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including "technical", and "financial" evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

Proposals will be assessed in accordance with the mandatory and rated evaluation attached as Annex A Part 3 Evaluation Criteria. Bidders shall provide a detailed response to each criterion. NRC reserves the right to verify any and all information provided by the bidder in their proposal.

4.1.2 Financial Evaluation

The cost proposal must be a fixed price quotation and Delivered at Place, excluding taxes. The fixed price must include all the materials and services required to fulfil all aspects of the Statement of Work/Statement of Requirement. Bidders should identify the currency on which the cost proposal is based.

Canada will not accept travel and living expenses that may need to be incurred by the Contractor for any relocation of resources required to satisfy its contractual obligations

Applicable Sales Tax: The GST, PST, QST or HST, whichever is applicable, shall be considered an applicable tax for the purposes of this RFP and extra to the price herein. The amount of applicable sales tax shall be disclosed and shown as a separate item.

4.2 Basis of Selection

The highest combined technical score (80%) and price (20%), with a minimum consensus score of 75% in each of the point-rated evaluation criteria requirements.

To be declared responsive, a bid must:

- (a) comply with all the requirements of the bid solicitation;
- (b) meet all the mandatory evaluation criteria (Section 3.1.5.1) and mandatory requirements for fee submission (Section 3.1.7.1); and
- (c) obtain the required minimum consensus score of 75% in each of the point-rated evaluation criteria requirements (Section 3.1.6).

Bids not meeting (a) or (b) or (c) will be declared non-responsive. Neither the responsive bid obtaining the highest number of points nor the one with the lowest evaluated price will necessarily be accepted.

A contract for engineering services described in this Statement of Work is anticipated to be awarded to the Proponent with the highest combined technical score in accordance with contracting documents. However, NRC reserves the right to cancel this RFP in its entirety at any time.



PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

In addition to all other information required in the procurement process, the Bidder **must** provide the following:

- Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder or, in the case of a private company, the owners of the company.
- Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

SURNAME	GIVEN NAME(S)	TITLE



5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.



PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 The following security requirements (SRCL and related clauses) as described in Annex C apply and form part of the Contract.

6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A" and the Contractor's technical bid.

6.3 General Conditions

2035 2022/12/01, General Conditions - Services (Higher Complexity) apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to October 31, 2024 inclusive.

6.4.2 Option to Extend the Contract

Canada may exercise this option at any time by sending a written notice to the Contractor at least ten (10) calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

6.4.3 Delivery Date

All the deliverables must be received on or before October 31, 2024

6.4.4 Delivery Points

Delivery of the requirement will be made to: Kaitlin.Hebb@nrc-cnrc.gc.ca

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Collin Long
Title: Senior Contracting Officer
National Research Council Canada
Directorate: Finance and Procurement Services
Address: 1200 Montreal Road Ottawa, Ontario

Telephone: (343) 549-1549



E-mail address: Collin.Long@nrc-cnrc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

The Technical Authority for the Contract is: *[to be inserted at contract award]*

Name:

Title:

Organization:

Address:

Telephone:

E-mail address:

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority; however, the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative *[to be inserted at contract award]*

Name: _____

Title: _____

Address: _____

Telephone: ____ _

E-mail address: _____

6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

6.7 Payment

6.7.1 Basis of Payment

The Contractor will be paid for costs reasonably and properly incurred in the performance of the work under this Contract in accordance with the following:

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a fixed price, as specified in the contract for a cost of \$ _____ *insert the amount at contract award*). Customs duties are excluded and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.



6.7.2 Limitation of Expenditure

Unless otherwise authorized in writing by the National Research Council of Canada (NRC), NRC's financial liability to the Contractor under this Contract shall not exceed \$_____ (*insert the sum*). Customs duties are excluded and Applicable Taxes are extra. The Contractor must not perform any work that would cause the total liability of NRC to exceed this limitation unless authorized in writing by the Contracting Authority through a contract amendment. All work shall be done to the full satisfaction of the Technical Authority named herein before any payment shall become due to the Contractor.

6.7.3 Method of Payment

SACC Manual clause [H4012C_2010.01.11](#), Schedule of Milestones

The schedule of milestones for which payments will be made in accordance with the Contract is as follows:

Milestone No.	Description or "Deliverable"	Fixed Amount	Due Date or "Delivery Date"
1	Feasibility Study (As defined in Section 2.4.2 of the Statement of Work.)		May 17, 2024
2	Construction Documentation (As defined in Section 2.4.3 of the Statement of Work.)		November 29, 2024
3	Translation (As defined in Section 2.4.4 of the Statement of Work.)		TBD
4	Services During Tender (As defined in Section 2.4.5 of the Statement of Work.)		TBD
5	Services During Construction (As defined in Section 2.4.6 of the Statement of Work.)		TBD

6.7.4 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Direct Deposit (Domestic Only);
- b. Wire Transfer (International Only);

6.8 Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, good and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the Statement of Requirement and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.



6.9 Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

Invoices **must** be sent to: nrc.invoice-facture.cnrc@nrc-cnrc.gc.ca

PLEASE QUOTE CONTRACT NO. *[to be inserted at contract award]* ON ALL DOCUMENTATION AND INVOICES.

6.10 Certifications and Additional Information

6.10.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.11 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

6.12 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) General Conditions [2035 \(2022/12/01\)](#) Higher Complexity - Services;
- (c) ANNEX A, Statement of Work;
- (d) ANNEX B, Security Requirements Check List;
- (e) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: “, as clarified on _____” or “, as amended on _____” and insert date(s) of clarification(s) or amendment(s)*).

6.13 SACC Manual Clauses

SACC Manual clause [A2000C](#) (2006-06-16) Foreign Nationals (Canadian Contractor)

SACC Manual clause [A2001C](#) (2006-06-16) Foreign Nationals (Foreign Contractor)

SACC Manual clause [G1005C](#) (2016-01-28) Insurance – No Specific Requirements

6.14 Dispute Resolution

The Parties agree to make every reasonable effort, in good faith, to settle amicably all disputes or claims relating to the Contract, through negotiations between the Parties' representatives authorized to settle. If the Parties do not reach a settlement within 25 working days after the dispute was initially raised to the other party in writing, either Party may contact the Office of the Procurement Ombudsman (OPO) to request dispute resolution/mediation services. OPO may be contacted by e-mail at boa.opo@boa-opo.gc.ca, by telephone at 1-866-734-5169, or by web at www.opo-boa.gc.ca. For more information on OPO's services, please see the [Procurement Ombudsman Regulations](#) or visit the [OPO website](#).



6.15 Non-Permanent Resident (Foreign Company)

The Contractor shall ensure that non-permanent residents intending to work in Canada on a temporary basis in fulfilment of the Contract, who are neither Canadian citizens nor United States nationals, receive all appropriate documents and instructions relating to Canadian immigration requirements and secure all required employment authorizations prior to their arrival at the Canadian port of entry. The Contractor shall ensure that United States nationals having such intentions receive all appropriate documents and instructions in that regard prior to their arrival at the Canadian port of entry. Such documents may be obtained at the appropriate Canadian Embassy/Consulate in the Contractor's country. The Contractor shall be responsible for all costs incurred as a result of non-compliance with immigration requirements.

6.16 Non-Permanent Resident (Canadian Company)

The Contractor is responsible for compliance with the immigration requirements applicable to non-permanent residents entering Canada to work on a temporary basis in fulfilment of the Contract. In some instances, the employment authorization necessary to enter Canada cannot be issued without prior approval of Human Resources Centre Canada (HRCC). HRCC should always be contacted as soon as the decision to bring in a non-permanent resident is made. The Contractor will be responsible for all costs incurred as a result of non-compliance with immigration requirements.

6.17 Withholding of 15 percent on Service Contracts with Non-residents

Pursuant to the [Income Tax Act](#), 1985, c. 1 (5th Supp.) and the [Income Tax Regulations](#), Canada must withhold 15 percent of the amount to be paid to the Contractor in respect of services provided in Canada if the Contractor is not a resident of Canada, unless the Contractor obtains a valid waiver from the [Canada Revenue Agency](#) (CRA). The amount withheld will be held on account for the Contractor in respect to any tax liability which may be owed to Canada.

Although most tax treaties between Canada and other countries provide for some relief from Canadian tax, Canada does not normally relinquish its right to withhold tax pursuant to the provisions of section 153 of the [Income Tax Act](#) and subsection 105(1) of the [Income Tax Regulations](#). If the non-resident contractor can adequately demonstrate, based on treaty protection, that the withholding normally required is in excess of the ultimate tax liability, or that the withholding creates undue hardship to the contractor, then the CRA may issue permission to the payer authorizing a reduction of the subsection 105(1) withholdings. The procedure to apply for a reduction of withholding is detailed in Income Tax Information Circular [IC75-6R2](#) Appendices A and B, as well as in CRA's [T4061, Non resident Tax Withholding, Remitting, and Reporting](#). Requests for a waiver or a reduction of the withholding will not be entertained unless deductions at source are remitted to CRA.

6.18 Government Smoking Policy

Where the performance of the work requires the presence of the Contractor's personnel on government premises, the Contractor shall ensure that its personnel shall comply with the policy of the Government of Canada which prohibits smoking on any government premises.

6.19 Access to Government Facilities/Equipment

Access to the facilities and equipment necessary to the performance of the work shall be provided through arrangements to be made by the Technical Authority named herein. There will be however, no day-to-day supervision of the Contractor's activities, nor control of the Contractor's hours of work by the Technical Authority.



The Contractor undertakes and agrees to comply with all Standing Orders and Regulations in force on the site where the work is to be performed, relating to the safety of persons on the site or the protection of property against loss or damage from any and all causes including fires.

Annex A

NRC-CMRC

Request for Proposal Engineering Services

**Feasibility Study, Detailed Design
and Construction Services**

Project No. 6196
Building U-66 Exterior Envelope Replacement

Real Property Planning and Management



National Research
Council Canada

Conseil national de
recherches Canada

Canada 

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1 General

1.1 Background

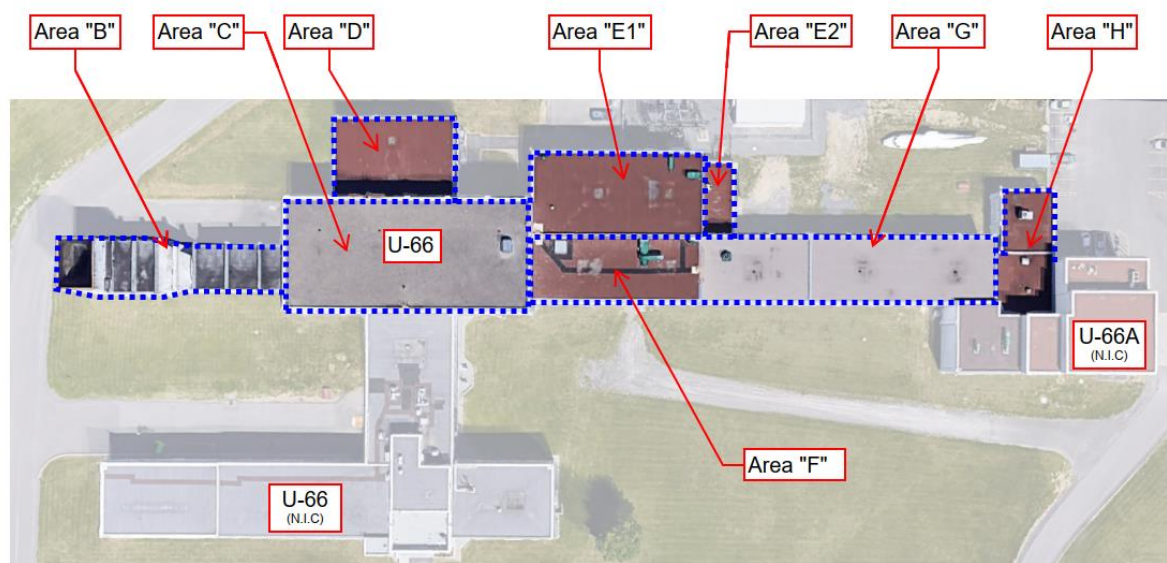
1.1.1 General Project Overview

U-66 is the home of our Trisonic Wind Tunnel used by Aerospace Research Centre to conduct research in design, manufacturing, performance and maintenance of air and space vehicles. The 1.5 m trisonic wind tunnel is a pressurized, intermittent-flow wind tunnel capable of providing subsonic, transonic and supersonic flows, Mach 0.1 to 4.25.

The first portion of the U-66 building was originally built in 1958 and completed with misc. building additions, up to approximately 1989. There are various building envelope materials used in these additions. The exterior envelope of building U-66 is predominantly clad with a stucco wall finish. The stucco finish is in poor condition and has deficiencies including cracking, staining, and deteriorated areas of stucco in several areas. An exterior insulation and finish system (EIFS) wall system is located at the north side of the building, refer to Key Plan - Area "D" & Area "E2" below. There is a separate project initiated for a building extension for a new compressor. It is anticipated that this extension will be located on the North side of the building adjacent to Area "E2".

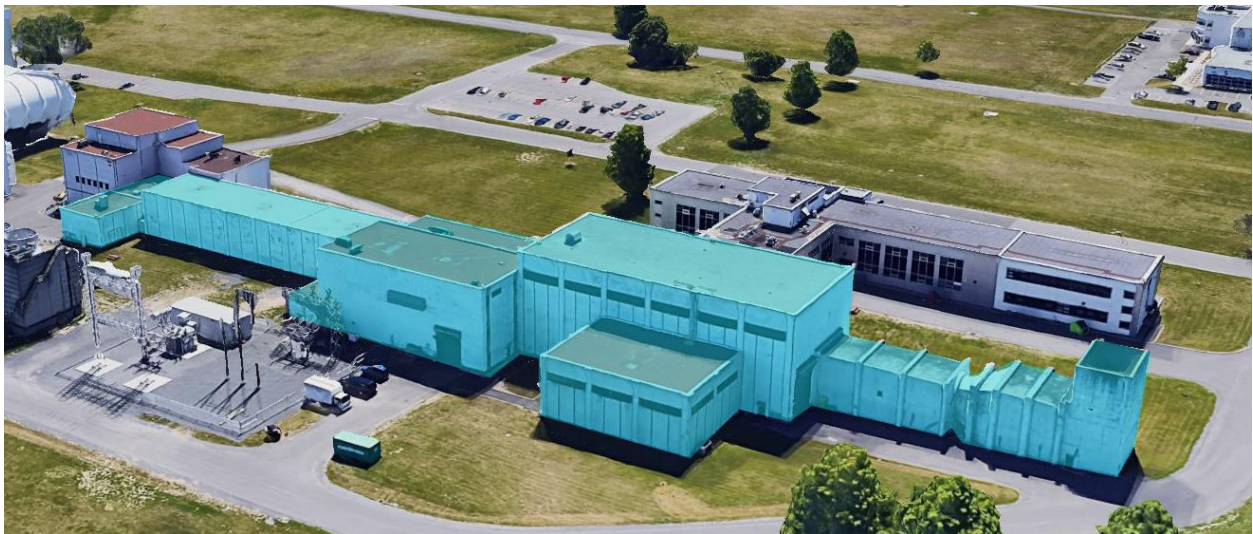
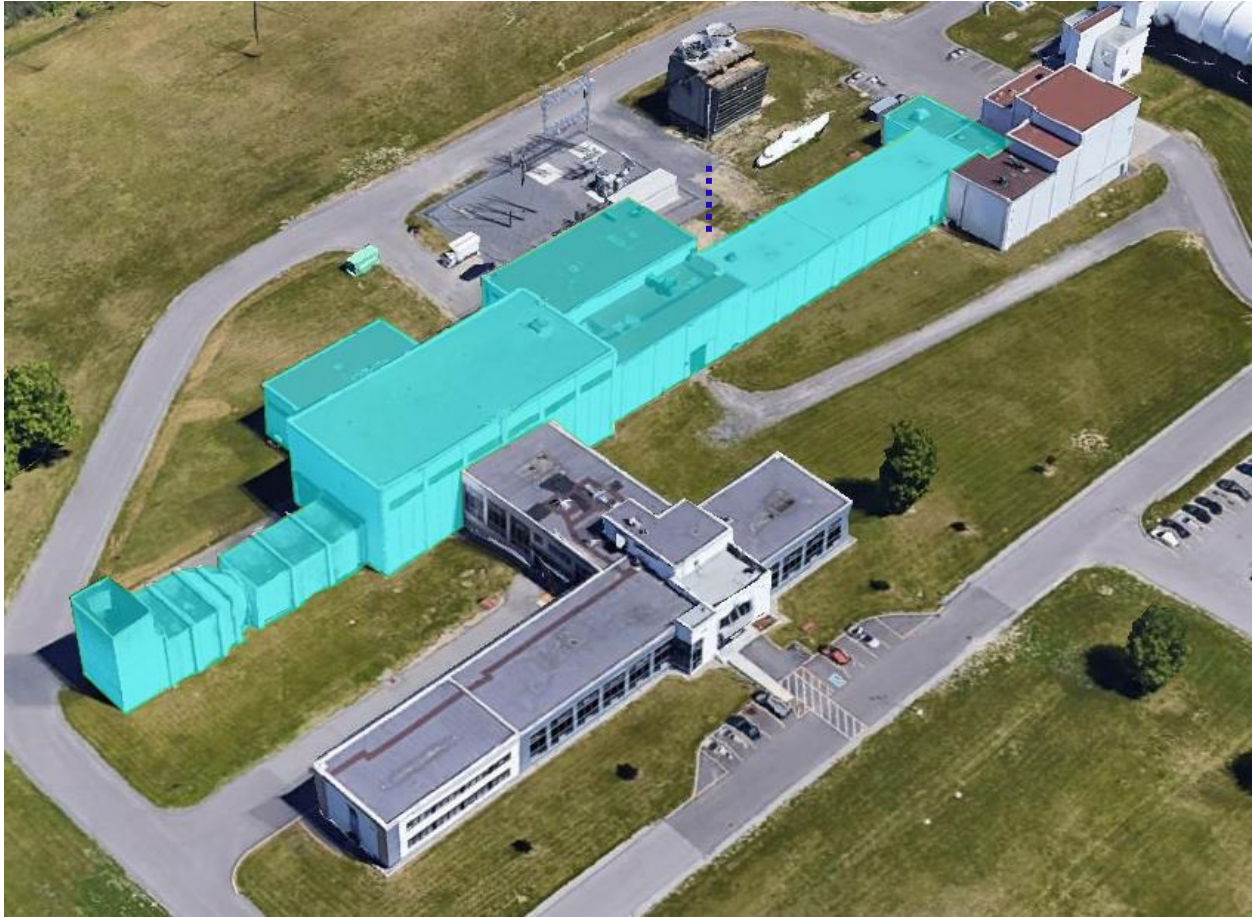
The exterior finishing of this building requires remediation. Specifically, the exterior of the building noted in dotted blue line below defines the current scope for this project. The main portion of the area requiring remediation consists of structural steel filled with terra cotta brick and precast panels, complete with a stucco finish on the exterior. Multiple previous patches and repair work were evident throughout the wall assembly.

Key Plan: Building U-66 & U-66A



..... = Extent of Envelope Requiring Assessment and Remediation

N.T.S



1.1.2 NRC Commitment to Greening

The NRC is committed to achieve significant greenhouse gas (GHG) emission reductions to its real property portfolio, with an aspiration to be carbon neutral by 2050. Consequently, all projects affecting energy use must consider cost-effective improvements to reduce GHG emission.

The Greening Government Strategy for Real Property requires all new buildings and major building retrofits to prioritize low-carbon and climate resilience, with investment decisions based on the total cost of ownership.

The Green Government Strategy also seeks to achieve a 30% reduction in embodied carbon in structural construction materials by 2025.

1.2 Project Description

The exterior building envelope at U-66 requires remediation/replacement. This RFP incorporates four main sections of scope, Feasibility Design, Detailed Design, Services during Tender and Services during Construction of the exterior envelope outlined in the Key Plan in blue above.

Asbestos was found in most of the existing construction materials therefore this must be taken into consideration when reviewing and selecting options for reinstatement. Existing building documentation will be provided to support this scope, such as but not limited to the scanned original construction drawings, and site-specific designated substance report, etc.

Final construction documentation to be ready for public tender by November 29th, 2024.

In order to meet the objectives outlined in this Request for Proposal (RFP) for Engineering Services, Consultants are to develop and provide complete, clear, and effective project documentation in accordance with requirements outlined in this project specific RFP document, the NRC Construction Documentation & Deliverables Manual, and the NRC Engineering & Construction CAD Standards.

1.3 Confidentiality and Intellectual Property

Information exchanged as part of this project is to be treated confidential. Therefore, none of the parties shall divulge, unless in agreement and authorized by both parties any information identified as CONFIDENTIAL or PROPRIETARY. In order to proceed with design development, potential equipment suppliers may be required to sign a Non-Disclosure Agreement (NDA) with NRC.

Except for the purpose of project record documentation, information exchanged as part of a project by Contractors, NRC and any other Parties shall kept in confidence. All drawings, records, data, books, reports, documents, and information, whether technical, commercial, or financial in nature, supplied to, by, or on behalf of the other Party relating to this project work shall not disclose, unless prior written consent to disclosure of the Party who has supplied the information is obtained or the disclosure is legally required.

Intellectual properties from new technologies resulting from this project shall be treated as per NRC Intellectual Property Policies and Procedures.

2 Statement of Work

2.1 General

Any and all required documentation and deliverables outlined as required by this project specific RFP shall be in accordance with the NRC Construction Documentation & Deliverables Manual, and the NRC Engineering & Construction CAD Standards. These documents are available upon request from the NRC Departmental Representative. Consultants shall review these documents to obtain a clear understanding of the minimum requirements for each type of deliverable (drawings and specifications), as well as supplemental details related to translations and other miscellaneous requirements.

2.2 Project Quality and Design Principles

In addition to assuring all designs are Code compliant, at a minimum the following design principles shall also be taking into consideration throughout the duration of the project by the Consultant:

- Adherence to a high standard of architectural and engineering design based on recognized, contemporary design principles. All design elements, planning, architectural and engineering design must be fully coordinated and consistent with accepted industry best practice design principles.
- Projects are to be implemented in an environmentally responsible manner and provide a healthy and safe work environment that meets all applicable Codes and supports optimum operations.
- Quality of materials, details and construction methods shall be commensurate with type of building, budget allocation, and life-cycle costing.
- Where possible, operation and maintenance costs are to be minimized with equipment selections.
- All construction and installation details are to be designed to facilitate ease of maintenance in a safe and effective manner.
- Adherence to local Authorities Having Jurisdiction requirements, Project documents may periodically need to be submitted to the Airport Authority, National Capital Commission (NCC) and Federal Heritage Buildings Review Office (FHBRO) for review and acceptance.
- Greening Government Strategy: A Government of Canada Directive; Treasury Board of Canada Secretariat.
- National Energy Code of Canada for Buildings (NECB) 2020; National Research Council of Canada, Canadian Commission on Building and Fire Codes; Natural Resources Canada.
- Building Envelope Thermal Bridging Guide Version 1.6 *or most current edition*, BC Hydro Power Smart.
- Whole Building Design Guide (WBDG) Life-Cycle Cost Analysis (LCCA) National Institute of Standards and Technology (NIST), Updated: 2016-09-19
- TBS Guide for implementing The Standard on Embodied Carbon in Construction; Embodied
- Carbon Project Disclosure Template.
- Accessible Design for The Built Environment (CSA B651:23)
- Bird-friendly building design (CSA A460:19 *or most current edition*).

2.3 Existing & Reference Documentation

- Scanned Original Construction Drawings; and
- Site Specific Designated Substance Report (Englobe - Sept 2023).

2.4 Scope of Work

2.4.1 General

The building exterior envelope at U-66 requires remediation/replacement. As described above this RFP incorporates four sections, Feasibility, Detailed Design, Services During Tender and Services during Construction of the exterior envelope outlined in the Key Plan in section 1.1.1 General Project Overview.

A feasibility study is being requested as the first deliverable of this RFP. The study is to be conducted by analyzing the overall building envelope integrity, the structural integrity, the existing construction materials and their remaining life cycle. Several envelope options are being requested as part of the feasibility study to support NRC's decision on what exterior envelope composition will be best to proceed with for detailed design. Asbestos was found in most of the existing construction materials therefore the study must take this into consideration when reviewing and selecting options for reinstatement. At this stage there is a requirement for an energy analysis and cost benefit analysis of presented options.

Once preferred option has been selected and agreed upon by NRC, proponent to begin detailed design. Development of drawings and specifications suitable for public tender. Final package to be bilingual.

Proponent to support and provide services during tender including attending job showings and preparing bilingual addenda.

Finally, services during construction. Proponent to ensure progress on site is in line with project documentation. To perform bi-weekly site walk throughs, attend site meetings, issue revisions and clarifications to the plans and specifications. Review submittals, quotations for contemplated change notices and provide final certificate of completion.

Additional information and full list of deliverables for each project section can be found in the corresponding sections below. (2.4.2 Feasibility Study, 2.4.3 Construction Documentation (Detailed Design Development), 2.4.5 Services During Tender and 2.4.6 Services During Construction)

All items listed in 2.2 Project Quality and Design Principles to be included in the scope of work.

2.4.1.1 Proposed Project Timeline

Final translated construction documentation is ready for tender by November 29th, 2024.

2.4.2 Feasibility Study

2.4.2.1 Objective

Analyze the overall building envelope, structural integrity, existing cladding materials, exterior doors and windows, and their remaining life cycle. Develop minimum four (4) detailed design options as described below for cladding replacement which include all relevant and appropriate architectural and engineering

(structural, mechanical, electrical, civil, etc.) development options. The intent for the new envelope would be to represent/mimic the original and respect the stewardship of the surrounding buildings.

Example of options for cladding replacement:

<p><u>Option 1:</u></p> <ul style="list-style-type: none"> • Full exterior asbestos abatement • Full cladding replacement: no insulation, cladding type A • Replace windows and doors as deemed required 	<p><u>Option 2:</u></p> <ul style="list-style-type: none"> • Encapsulate exterior asbestos • Full cladding replacement: no insulation, cladding type A • Replace windows and doors as deemed required
<p><u>Option 3:</u></p> <ul style="list-style-type: none"> • Full exterior asbestos abatement • Full cladding replacement: insulation, cladding type B • Replace windows and doors as deemed required 	<p><u>Option 4:</u></p> <ul style="list-style-type: none"> • Encapsulate exterior asbestos • Full cladding replacement: insulation, cladding type B • Replace windows and doors as deemed required

Due to the variety of existing envelope materials, each option for cladding replacement to be considered on a section-by-section basis. There will likely be a combination of cladding materials selected.

The nature of the Trisonic Wind Tunnel operation includes significant vibrations. These vibrations to be quantified and incorporated into the design and selection of cladding materials.

These options are to be evaluated through a robust energy and life cycle cost analysis. The option with the greatest GHG reduction potential, while maintaining lower life cycle costs compared to the base case will generally be the preferred option.

2.4.2.2 Tasks

In order to meet the objectives outlined as part of feasibility study report, the Consultant shall, at a minimum, conduct the following:

- Conduct site analysis to assess and document the following:
 - Existing building envelope;
 - Structural integrity, including but not limited too identifying possible deficiencies and areas of delamination;
 - Vibrations produced by operation of Trisonic Wind Tunnel;
 - Condition of exterior doors and windows;
 - All attached exterior steel stairs/ladders to be evaluated/updated to present code compliance and;
 - Any other relevant factors that will influence building envelope rehabilitation.
- Identify, clearly define, and prepare a document that outlines all items for inclusion in scope of work for next proposed phase of work following feasibility study development.
- Prepare minimum four (4) high level feasible detailed design options to meet project requirements, in accordance with details outlined in 2.4.2.1. Complete comparative evaluation of options and

formulate recommendation of preferred option relative to overall project objectives and requirements;

- Prepare analysis of capital costs, operation and maintenance costs, code analysis, accessibility analysis, sustainable design assessment, and security analysis to inform decision on proposed preferred option; and
- Conduct three (3) in person meetings with NRC stakeholders; one (1) kick-off meeting, one (1) to discuss proposed options to proceed with for evaluation, and one (1) to review and discuss preferred recommended option with NRC stakeholders.
- Prepare all necessary documents/drawings for preliminary review of Authorities having jurisdiction. (NCC, Airport Authority Etc.)

2.4.2.3 Options Assessment

As all NRC buildings will need to have net-zero carbon real property operations by 2050, the assessment must look at options that facilitate the decarbonization of buildings slated for long term ownership.

Conduct an assessment of options to evaluate the greenhouse gas (GHG) reduction potential and feasibility of project alternatives. Provide the list of options to the NRC project team for approval prior to proceeding with analysis. The thermal performance of the options are to be optimized through an energy analysis and life cycle costing by evaluating the following measures:

- Effective wall insulation levels:
 - Over a range of technically feasible insulation thicknesses (as applicable in proposed Options 3 & 4).
 - At minimum, strategies to include: addition of continuous insulation, thermally isolated cladding attachments, detailing to minimizing thermal bridges.
 - At least one measure is to meet the NECB 2020 prescriptive performance requirement.
- Window Alternatives:
 - High performance double vs triple glazed windows.
 - At minimum, strategies to include: low-e coating, argon filled, insulating spacers in a higher performance frame with large thermal break.
 - At least one measure to meet the NECB 2020 prescriptive performance requirement.
- Door Alternatives:
 - High performance door option for each door type.
 - At minimum, strategies to include: insulated, thermally broken doors and frames.
 - Glazed doors to also meet window requirements.
 - At least one option to meet the NECB 2020 prescriptive performance requirement.
- Interface details:
 - Careful detailing following best practices is required to mitigate thermal bridging at interface details, including: window/door to wall transitions, parapets, corner details and wall transitions, etc.

2.4.2.4 Scope of Emissions

- The following GHG emission categories should be included in the analysis: scope 1 emissions (from combustion), scope 2 emissions (district energy and electricity).

- The purchase of carbon offsets is not to be considered as an eligible measure to reduce GHG emissions.

2.4.2.5 Energy Analysis

- Energy Modelling Software
 - Whole building energy simulations must be performed using Energy Plus, IESVE, eQuest or other pre-approved energy modeling software that meets the following criteria:
 - Conforms to ASHRAE Standard 140 – Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs;
 - Performs annual simulation on an hourly or sub-hourly time step; and
 - Is of a level of sophistication that does not limit the ability to assess the performance of the building systems under consideration.
 - The energy modelling professional must have experience with the simulation tool selected (including its limitations), and the professional must validate the simulation inputs and assumptions, and provide a quality assurance of the simulation results.
- Energy Modelling Methodology
 - For each option, quantify utility consumption and demand savings, associated utility costs, thermal energy demand intensity, and greenhouse gas emissions through a robust energy analysis.
 - Energy modelling methodology to follow Part 8 of the NECB, and be performed in accordance with industry best practices, and must be of an appropriate level of sophistication to accurately capture the system’s performance characteristics.
 - At a minimum, a box model of U-66 is required that captures the impact of envelope options on the building’s energy performance including the hybrid heating plant (base load electric boiler with peaking natural gas fired boilers)
 - Building envelope thermal bridging calculations are to be performed to account for all repetitive structural members, major structural penetrations as well as interface details, including (but not limited to) floor slabs, building corners, wall to window transitions, and parapet details as per NECB2020.
 - Perform simulations using the most recent Canadian Weather File for Energy Calculations (CWEC).
 - Energy model calibration is not required.
- Energy Modelling Reporting
 - The “Guidance for Energy Modelling Compliance Documentation in LEED® Canada” is to be used as the standard for energy modelling reports. In general, reports should include:
 - A building overview and summary of key energy efficiency features
 - Simulation results with total energy use, costs, and GHG emissions by fuel type; energy end-use breakdown; annual and monthly heating and cooling loads (GJ and peak kW); and thermal energy demand intensity (TEDI).
 - Summary documenting the source and derivation of model input and assumptions.
 - All calculations, software input, assumptions and limitations associated with each analytical step are to be clearly stated.

2.4.2.6 Life Cycle Costing Analysis (LCCA)

- Complete life cycle costing analysis for the base case and for each option analyzed. Life cycle costs must include, but not be limited to:
 - Capital costs including all hard and soft costs (costing accuracy shall be within +/- 25% (Class D)).
 - Available incentives;
 - Operating and maintenance costs (including anticipated repairs and replacement of equipment);
 - Energy and utility costs (electricity, natural gas, water, etc.);
 - Resulting carbon price based on anticipated GHG emissions (CO₂e); and
 - Salvage value and/or disposal cost of equipment (residual value).
- The LCCA shall be conducted over a 40-year period, and include a carbon shadow price of \$300 per tonne CO₂e.
- Emission factors, utility rates, and financial criteria (e.g. discount and inflation rates) to be provided by the NRC.
- Refer to Chapter 37 of ASHRAE Handbook – HVAC Applications (2015) and NIST Handbook 135 for more information on how to complete LCCA.
- Analysis to be conducted using the NRC RPPM's Life Cycle Costing Analysis Tool (to be provided following contract award).

2.4.2.7 Structural Design Services – Embodied Carbon of Structural Materials

- The NRC is committed to meeting and exceeding sustainability targets set out in the Greening Government Strategy (GGS). As such, the Consultant (referred to as “service provider” in Treasury Board of Canada Secretariat (TBS) Centre for Greening Government documentation) shall review and familiarize themselves with the following documents (links available upon request):
 - TBS Guide for implementing The Standard on Embodied Carbon in Construction;
 - Standard on Embodied Carbon in Construction; and
 - Embodied Carbon Project Disclosure Template.
- The Consultant shall review the quantitative criteria outlined in Appendix A of the Standard on Embodied Carbon in Construction, and determine if the project meets the minimum requirements. and incorporate low embodied carbon practices into the selection of proposed design recommendations.

2.4.2.8 Deliverables

In accordance with the NRC Construction Documentation & Deliverables Manual, and the NRC Engineering & Construction CAD Standards the Consultant shall provide the following:

- Feasibility Study Report to contain summary of options presented, summary of option analysis and rationale for the selection of recommended option;
- Summary of site analysis, including existing envelope condition, areas of possible structural deficiencies/delamination and condition of exterior doors and windows.
- Energy analysis is to be fully documented in an appendix to the Feasibility Study Report, including all assumptions and limitations of the analysis;
 - Analysis of the thermal performance of each option is to be submitted using the BC Hydro “Enhanced thermal performance spreadsheet” along with supporting documentation on

clear field, linear and point transmittances used (e.g., Building Envelope Thermal Bridging Guide details or thermalenvelope.ca).

- Cost Benefit Analysis, including life cycle project costs (including electronic copy of the completed LCCA);
- Preliminary Risk Assessment/Risk Register (as per NRC Template), and list of significant issues or concerns that require additional investigation and resolution during detailed design development.
- Prepare all necessary documents/drawings for preliminary review of Authorities having jurisdiction. (NCC, Airport Authority Etc.)
- Indicative cost estimate (Class D) for each proposed option
- Tentative project schedule for each proposed option with recommendation of proposed phasing; and
- These deliverables are due no later than May 17th, 2024.

2.4.3 Construction Documentation (Detailed Design Development)

2.4.3.1 Objective

Complete the development of the drawings and specifications into a complete, coherent, and coordinated package that is suitable for Tender. Specifications, drawings, and addenda shall be complete and clear in order to enable Contractors to prepare bids.

2.4.3.2 Tasks

In order to meet the objectives outlined as part of construction documentation preparation, the Consultant shall, at a minimum, conduct the following:

- Conduct one (1) pre-design in person meeting with NRC stakeholders.
- Prepare the drawings and specifications for submission to NRC Departmental Representative, in AutoCAD format, for review and comment at the following stages: 33%, 66%, and 99% progress and Tender;
- Conduct progress review meetings with NRC in person at each documentation progress stage and prepare meeting minutes for distribution as per direction of NRC Departmental Representative;
- Review and respond to all NRC Departmental Representative provided comments and questions identified in each documentation progress stage; and
- Revise and update the cost estimates, including details on methodology used, as indicated:
 - Revised Class D at 33% progress stage;
 - Class C at 66% progress stage;
 - Class B at 99%; and
 - Class A at Tender.
- Revise and update the energy analysis and Life Cycle Costing, as indicated:
 - 66% progress stage; and
 - 99% stage.
- Coordinate design with anticipated building extension for separate project involving building extension for new compressor.
- Prepare all necessary documents/drawings for formal review and approval of Authorities having jurisdiction. (NCC, Airport Authority Etc.)

2.4.3.3 Deliverables

In accordance with the NRC Construction Documentation & Deliverables Manual, and the NRC Engineering & Construction CAD Standards the Consultant shall provide the following:

- Final construction documentation consisting of signed and sealed final drawings and specifications ready for Tender;
- All documentation relating to the Embodied Carbon of Structural Materials, as outlined in section “Structural Design Services – Embodied Carbon of Structural Materials”;
- Documentation identifying reasons why low GWP refrigerants were unable to be specified (i.e. due to lack of availability, etc.). In addition, Departmental Representative shall be informed at the earlier opportunity during detailed design development;
- Class A cost Estimate;
- Updated Energy Analysis and Life Cycle Costing;
- Proposed and/or updated Engineering Design Workplan & Schedule; Proposed Construction Schedule. This to include recommendation for phasing of work with any on-going surrounding projects;
- Project Risk Assessment Plan/Risk Register (as per NRC Template);
- Prepare all necessary documents/drawings for formal review and approval of Authorities having jurisdiction. (NCC, Airport Authority Etc.) Address all comments/recommendations received; and
- These deliverables are due no later than November 29th, 2024.

2.4.4 Translation of Construction Documentation

2.4.4.1 Objective

Provide translated final drawings and specifications, as required by NRC Departmental Representative.

2.4.4.2 Tasks

In order to meet the objectives outlined, the Consultant shall, at a minimum, conduct the following:

- Retain the services of a qualified translator or translation firm with experience in translating construction terminology, drawings and specifications; or
- Use an in-house bilingual technical resource with experience in translating construction terminology, drawings and specifications; and
- Integrate the translation and editing activities at Tender document stage.

2.4.4.3 Deliverables

Signed and sealed bilingual drawings and specifications ready for Tender in accordance with requirements outlined in the NRC Construction Documentation & Deliverables Manual, and the NRC Engineering & Construction CAD Standards.

2.4.5 Services During Tender

2.4.5.1 Objective:

Provide assistance to the NRC in order to address technical issues relating to the construction documents prepared by the Consultant for Tender.

2.4.5.2 Tasks

In order to meet the objectives outlined, the Consultant shall, at a minimum, conduct the following:

- Attend two (2) mandatory site visits for bidders;
- Review and formulate recommendations on questions and requests for clarifications received from bidders;
- Evaluate any alternative material, equipment, systems or method proposed submissions for compliance with specified standard of acceptance; and
- Prepare addenda to the drawings and specifications, as required during tender period.

2.4.5.3 Deliverables

Prepare bilingual addenda, signed and sealed in accordance with requirements outlined in the NRC Construction Documentation & Deliverables Manual, and the NRC Engineering & Construction CAD Standards.

2.4.6 Services During Construction

2.4.6.1 Objective

Ensure construction of the project complies with contract documentation.

2.4.6.2 Tasks

In order to meet the objectives outlined, the Consultant shall, at a minimum, conduct the following:

- Conduct bi-weekly walk-through site visits to review and report on the construction progress;
- Maintain a library of annotated digital photos illustrating progress, quality, and issues at various stages of the project;
- Attend bi-weekly in person site meetings during construction;
- Issue revisions and clarifications to the plans and specifications, supplementary details and sketches to ensure the design intent is conveyed, as well as, respond to questions related to the design intent. Consultant must be available within four (4) hours of an identified clarification or meeting request;
- Maintain a log and review sub-consultant submittals;
- Prepare the Contemplated Change Notice for design changes, and maintain a detailed log;
- Review sub-consultant Financial Offers for Contemplated Change Notices and formulate recommendations to the NRC Departmental Representative;
- Review the Commission Plan, and participate in the commissioning to assist in resolving technical issues that arise during the commissioning phase;
- Conduct a project inspection and prepare a deficiency list for the Interim Certificate of Completion;
- Conduct a project inspection prior to the issuance of a Final Certificate of Completion; and
- Conduct a warranty inspection prior to the end of the warranty period and identify any resulting issues.

2.4.6.3 Deliverables

In order to meet the objectives outlined, the Consultant shall, at a minimum, complete and prepare the following documentation, as required:

- Bi-weekly inspection reports, attending bi-weekly in person meetings, minutes of meetings, and log of construction issues and their resolution;
- Bi-weekly submittals status report;
- Bi-weekly status report on CCNs and sub-contractor responses;
- Deficiency reports; and
- Final construction report identifying key issues that arose during project execution and lessons learned.

2.4.6.4 Post-Construction & Project Close-out Services

2.4.6.4.1 Objective

Ensure key project events and issues are documented.

2.4.6.4.2 Tasks:

In order to meet the objectives outlined, the Consultant shall, at a minimum, conduct the following:

- Review deficiencies that may be warranty issues with the NRC Departmental Representative;
- Conduct a walk-through site visit to document warranty issues at least thirty (30) days prior to the expiration of the warranty period; and
- Review the project's history, events, and issues, interview key stakeholders and gather key documents that are necessary to draft the final construction report.

2.4.6.4.3 Deliverables:

In order to meet the objectives outlined, the Consultant shall, at a minimum, complete and prepare the following documentation, as required:

- List of Equipment to be included in Maintenance Manuals;
- Deficiency Reports;
- Contribute to Lessons Learned Report;
- As-Built CAD drawings, in AutoCAD format, based on Contractor provided redline mark-ups.

3 Evaluation Criteria

3.1 Technical Evaluation Criteria

NRC is soliciting proposals in response to this RFP from several engineering firms (Proponents). The proposals will be evaluated and scored in accordance with the specific criteria detailed herein. It is imperative that these criteria be addressed in sufficient depth in the proposal submissions to fully describe the Proponent's proficiency. However, NRC reserves the right to cancel this RFP in its entirety at any time.

3.1.1 Mandatory Evaluation Criteria Requirements

Any proposal which fails to meet any of the noted mandatory requirements will be considered non-responsive and will not be given further consideration. Each requirement shall be addressed separately. It is the responsibility of the Proponent to provide accurate and complete information to demonstrate they meet the mandatory requirements.

3.1.1.1 Mandatory Requirements Table

Include this table with your proposal and indicate the proposal page where the information can be found.

Mandatory Requirements			
Requirement	Evaluation Criteria	Meets (Yes/No)	Proposal Page #(s)
1	The Proponent must have a minimum of ten (10) years' experience providing Architectural services. Provide a company profile and relevant project history relating to building envelope replacement/renewal. The proponent to demonstrate understanding of the of the project goals, the functional/ technical requirements, the constraints and the intended design philosophy/methodology.		
2	The Proponent or sub consultant must also have a minimum of five (5) years' experience providing Building Envelope Evaluation. Provide a company profile and relevant project history relating to building envelope replacement/renewal. Include minimum 2 comparable completed project examples.		
3	The Proponent must supply a CV for the proposed: (No duplicate CV's) <ul style="list-style-type: none"> • Principal/Senior Architect • Project Manager/ Intermediate Architect • Energy Modelling Professional • Senior Architectural Technologist 		

4	The proponent must be an architectural firm, a consortium or a joint venture between an architectural firm and an engineering firm, licensed to provide the necessary professional services to the full extent that may be required by provincial or territorial law in the province of Ontario.	
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3.1.2 Point-Rated Evaluation Criteria

Technical proposals which meet all mandatory requirements specified will be evaluated and scored in accordance with the following point-rated evaluation criteria.

Include this table with your proposal and indicate the proposal page where the information can be found.

Point-Rated Technical Criteria Requirements			
Item	Evaluated Technical Criteria	Proposal Page #(s)	Max Score
1	<p>Projects Criteria:</p> <p>Demonstrated experience by the Proponent providing services relevant to this project. Provide three (3) comparable projects completed within the last ten (10) years. One (1) of these comparable projects should be undertaken on behalf of Federal Government of Canada. Maximum two (2) pages per project.</p> <p>It is the responsibility of the bidder to ensure the contact information for the reference is accurate. If the reference cannot be reached or declines to provide input the proponent will receive a score of 0/2 for that example.</p> <p>Information to be included: (Up to 17 points per project)</p> <ul style="list-style-type: none"> • The title of the project and the place of the project's realisation • Clearly indicate how this project is comparable/relevant to the requested project. (up to 2 points) • Brief project description and intent. Narratives should include a discussion of design philosophy / approach to meet the intent, design challenges and resolutions. (up to 5 points) • Clearly indicate the period of execution, specifying that the design phase was initiated within the last 10 years (up to 1 point) • The total cost of the construction work (excluding taxes) (up to 1 point) • Budget control and management - i.e. contract price & final construction cost - explain variation (up to 3 points) • Project schedule control and management - i.e. initial schedule and revised schedule - explain variation (up to 3 points) • Client references - name, address, and phone contact at working level - references may be checked (up to 2 points) 		51
2	Personnel Criteria:		44

	<ul style="list-style-type: none"> • Qualifications and overall experience of each proposed personnel, Principal/Senior Architect, Project Manager/ Intermediate Architect, and Senior Architectural Technologist. Evaluation will include: <ul style="list-style-type: none"> ○ Educational background; ○ Relevant experience; ○ Membership in professional associations; and ○ Examples of past relevant projects and experience with Federal Government projects. • Qualifications and overall experience of proposed Energy Modelling Professional. Evaluation will include: <ul style="list-style-type: none"> ○ Educational background; ○ Credentials (i.e. ASHRAE Building Energy Modelling Professional, AEE Building Energy Simulation Analyst, AEE Certified Energy Manager, CAGBC Experienced Modeler List); ○ Relevant experience; ○ Membership in professional associations; and ○ Examples of past relevant projects and experience with Federal Government projects. • Maximum two (2) pages per personnel. <p>Information to include per personnel: (Up to 11 points per personnel)</p> <ul style="list-style-type: none"> • Name of the resource, proposed role within the applicant's team • Level of participation for the proposed role in this scope of work. (up to 2 points) • Degree(s) and field(s) of specialization. Professional certification and/or professional orders, including year of registration (up to 1 points) • Relevant experience and expertise (up to 2 points) • Describe experience in a similar role by indicating at least two (2) recent reference projects. One (1) of these past projects should have been for the Federal Government. Include a general description of the project, the individual's specific responsibilities and level of involvement in the reference project. (up to 6 points) 		
3	<p>Understanding of the Project:</p> <p>The proponent should demonstrate understanding of the goals of the project, the functional/technical requirements, the constraints and the issues that will shape the end product. (up to 10 points)</p> <p>Information that should be supplied:</p> <ul style="list-style-type: none"> • The functional and technical requirements • Significant issues, challenges and constraints • Demonstration and understanding of the project implementation strategy • Demonstration of understanding of project stakeholders (description of roles and responsibilities and organization chart). 		10
4	<p>Schedule:</p> <p>The Proponent to provide their design schedule in gantt format for this project, from award to final completion, detailing major milestones and associated timelines.</p> <ul style="list-style-type: none"> • Schedule evaluation will be based on whether it meets the completion date noted in the request for proposal and if the tasks 		5

	and associated timelines demonstrate the consultant understands the scope of work. (up to 5 points)		
5	<p>Design Philosophy/Methodology:</p> <p>The proponent should elaborate on aspects of the project considered to be a major challenge which will illustrate design philosophy / approach / methodology. This is the opportunity for the Proponent to state the overall design philosophy of the team as well as their approach of resolving design issues and in particular to focus on the unique aspects of the current project. (up to 10 points)</p> <p>Information that should be supplied:</p> <ul style="list-style-type: none"> • Design Philosophy / Approach / Methodology • Describe the major challenges and how your team approach will be applied to those particular challenges. Present an overall vision taking into account all the required and additional services. 		10
Total			120

3.1.3 Evaluation and Rating

3.1.3.1 Mandatory Requirements for Fee Submission

Consultant must submit breakdown of fees for the following project stages:

Scope of Work:	Fee Submission:
2.4.2 Feasibility Study	\$
• Include 2.4.2.5 Energy Analysis as separate cost.	\$
2.4.3 Construction Documentation (Detailed Design Development) + 2.4.4 Translation of Construction Documentation	\$
2.4.5 Services During Tender	\$
2.4.6 Services During Construction	\$
• Proponent to provide lump sum costing for a construction duration of 12 months. Construction surpassing 12 months to be performed on a time and material basis. Hourly rates for all relevant disciplines to be provided.	\$

3.1.3.2 Evaluation Calculation Example

For information only:

TABLE A	Bidder #1	Bidder #2	Bidder #3
Technical score	90 out of 120	96 out of 120	114 out of 120
Tendered amount	\$190,000	\$200,000	\$210,000

	Technical score (80%)	Tendered amount score (20%)	Final score
Bidder #1	$90/120 \times 80(\%) = 60$	$\frac{190 \text{ k} \times 20(\%)}{190 \text{ k}} = 20$	= 80.00
Bidder #2	$96/120 \times 80(\%) = 64$	$\frac{190 \text{ k} \times 20(\%)}{200 \text{ k}} = 19$	= 83.00
Bidder #3	$114/120 \times 80(\%) = 76$	$\frac{190 \text{ k} \times 20(\%)}{210 \text{ k}} = 18.1$	= 94.10 (Successful bid)

4 Appendix A

4.1 List of Reference Documentation

1. Site Specific Designated Substance Report.
 - Report completed September 2023 – Englobe.
2. Representative Key Floor Plans



October 6, 2023

National Research Council Canada

1200 Montreal Road
Ottawa, Ontario K1A 0R6

Attention: Kaitlin Hebb, Construction Project Manager

Subject: Project-Specific Designated Substances Survey

Building U66, Exterior Envelope Project
655 Levy Private, Ottawa, Ontario
Englobe Reference: 02308849.000

1.0 INTRODUCTION

Englobe Corporation (Englobe) was retained by National Research Council Canada (NRC) to conduct a project-specific Designated Substances Survey (DSS) in support of the Building U-66, Exterior Envelope Project, located at 655 Levy Private in Ottawa, Ontario.

The Designated Substances Report (DSR) is required under the *Ontario Occupational Health and Safety Act* in order to identify designated substances that may be present within the project areas. The *Canada Labour Code* also stipulates under Part II, Section 124 that every employer shall ensure that the health and safety at work of every person employed by the employer is protected. By having a DSS conducted, the Project Manager will be able to inform his or her employees, contractors, and tenants of any designated substances that may be present and possibly disturbed throughout the project area.

Englobe completed a visual evaluation of building materials for the presence of suspected designated substances and hazardous materials of the exterior envelope on September 18, 2023. As part of the survey, select materials were sampled and submitted for laboratory analysis to confirm asbestos and lead content.

2.0 SCOPE OF WORK

The survey implemented by Englobe was completed in accordance with Section 30 of the *Occupational Health and Safety Act, R.S.O. 1990, Chapter O.1*. Designated Substances, as identified under the *Ontario Occupational Health and Safety Act*, are as follows:

- Acrylonitrile,
- Arsenic,
- Asbestos,
- Benzene,
- Coke Oven Emissions,
- Ethylene Oxide,
- Isocyanates,
- Lead,
- Mercury,
- Silica, and
- Vinyl Chloride.

Other Hazardous Materials which are not classified as designated substances, but were included as part of the survey and considered pertinent due to applicable regulations, best practice guidelines, and/or potential risks to human health and/or the environment, are:

- Polychlorinated Biphenyls (PCBs),
- Halocarbons,
- Mould,
- Other Hazardous Materials (where deemed pertinent).

3.0 BACKGROUND REPORT REVIEW

Prior to the commencement of fieldwork, Englobe personnel reviewed past bulk sampling documentation, as pertinent to the project area. As part of the project, Englobe reviewed the following reports:

- Designated Substances Survey, Building U-66, Ottawa, ON. Dated March 2012. Oakhill File No.: PR-08-043

Englobe referenced the identifiable sampling and analytical results of the above-noted documentation, where applicable.

4.0 METHODOLOGY

4.1. Site Assessment

The purpose of the survey program was to identify designated substances and hazardous materials that may be disturbed during future work operations associated with the project. The survey was limited to the areas outlined in the RFQ¹ provided by the NRC.

Project areas included the exteriors of areas denoted B to H, as indicated in the RFQ. Project areas D and E2 required a sub-contractor to provide test-cuts in the exterior insulation finishing system (EIFS) cladding for evaluation. Two (2) test cuts were completed in each project area (please refer to Appendix C). In area E2, the test cuts were on the east side of the building and were approximately 2'x2' (60cm x 60cm) in size. In area D, test cuts were made on the east and west side of the building and were approximately 2'x2' (60cm x 60cm) in size. Englobe did not complete any sub-surface investigation to evaluate building foundation systems or materials associated with the foundations. Englobe did not complete any other intrusive openings into the project areas, other than areas D and E2. No other building areas or materials were included as part of the survey. Representative photographs are included in Appendix A. Laboratory certificates of analysis are included in Appendix B. A drawing with sample locations is included in Appendix C. A Statement of Limitations is included in Appendix D.

¹ NRC-CNRC, U-66 Building Envelope, Designated Substance Review of Existing Exterior Envelop (RPPM Project #6196), Real Property Planning and Management

4.2. Asbestos-Containing Material Methodology

The methodology employed for Asbestos-Containing Materials (ACMs) included identifying the presence of ACMs via the collection and analysis of suspect bulk material samples.

ACMs can be divided into two categories: friable and non-friable material. A friable ACM is a material that can be crumbled, powdered, or pulverized by hand pressure and can readily release fibres when disturbed. Common applications of friable ACMs are sprayed or trowelled surfacing materials such as sprayed fireproofing and textured coatings. Non-friable materials are materials that will generally release fibres only when cut or shaped. Common non-friable ACMs include vinyl floor products, drywall joint compound, plaster, and mortars. Some of these products may become friable with time or when disturbed.

In Ontario, a material is defined as an Asbestos-Containing Material (ACM) if the material has a minimum asbestos content of 0.5 per cent (%) by dry weight, as per O. Reg. 278/05 *Asbestos on Construction Projects and in Buildings and Repair Operations* enabled under the *Occupational Health and Safety Act (R.S.O. 1990, Chapter 0.1)*, as amended.

Representative bulk samples of suspected ACMs were collected by Englobe during the site investigation. Samples were collected to meet the bulk sampling requirements stipulated in O.Reg. 278/05, as amended. Bulk samples were analyzed by Paracel Laboratories Ltd. (Paracel). Paracel is an accredited laboratory through the Canadian Association for Laboratory Accreditation Inc. (CALA). The bulk samples were analyzed using polarised light microscopy (PLM). All bulk asbestos samples collected by Englobe were analyzed using the regulated Ontario detection limit of 0.5%. Samples followed a stop-positive methodology, where the remaining samples in a series would not be analyzed if any one sample in the series had a concentration of asbestos greater than or equal to 0.5%.

4.3. Lead-Containing Material Methodology

In Canada, the Federal Canada Consumer Product Safety Act's *Surface Coating Materials Regulations SOR/2016-193* has lowered the allowable concentration of lead in paints for new consumer products to 0.009% lead content by weight (90 ppm). For the purposes of the survey and this report, paint applications having concentrations of lead above 90 ppm are considered lead-containing.

Representative lead paint samples were collected and submitted by Englobe for lead content analysis. The samples were analyzed by Paracel. Paracel is certified under CALA to perform lead in paint sample analysis. The samples were analysed by Paracel using Inductively Coupled Plasma - Mass Spectrometry (ICP-MS) in accordance with EPA 6020 - Digestion - ICP-MS.

4.4. PCB-Containing Equipment Methodology

Equipment that may contain PCBs (e.g., electrical transformers and fluorescent light ballasts) can often be identified by examining manufacturer's labels. For safety reasons, Englobe personnel do not remove the ballast shields from fluorescent light fixtures to examine the ballast codes unless the electrical circuit for the lighting has been tagged and locked out by a qualified electrician. When possible, the manufacture name and catalogue number is recorded. Where not clearly labelled as "Non-PCB", the information presented on the ballast labels can be compared with the Environment Canada document entitled "Identification of Lamp Ballasts Containing PCBs (Revised August 1991)" to confirm PCB content, or assumed to contain PCBs, as applicable. An extensive PCB survey and inventory was not completed as part of Englobe's survey.

4.5. Halocarbon-Containing Equipment Methodology

Equipment that may contain halocarbons (e.g., air conditioning and refrigeration equipment) can often be identified by examining manufacturer’s labels. The investigation of halocarbons was performed through the identification of equipment requiring refrigerants as part of the survey process followed by an evaluation for labels on the equipment (indicating the type of refrigerant present), as applicable. A detailed halocarbon inventory was not completed as part of Englobe’s scope of work.

4.6. Other Designated Substances and Hazardous Materials Methodology

The methodology for the identification of other Designated Substances and hazardous materials followed the same visual evaluation methodology as the investigation for asbestos and lead in surface coatings. During the survey, other identified Designated Substances were visually identified based on the surveyor’s historical knowledge of these substances. These substances/materials were identified, and locations noted, as deemed applicable.

5.0 FINDINGS

The following sections outline the complete findings of all accessible designated substances and hazardous building materials that were assessed within the project areas.

Englobe made attempts to evaluate the project areas to identify hazardous materials present. In spite of these efforts, some designated substances or hazardous materials may be concealed and not observed at the time of the survey. As such, should any previously unidentified suspect designated substances or hazardous materials be encountered as part of future work, these materials are to be treated as designated substances or hazardous materials and handled accordingly, unless additional assessment and sampling confirms otherwise.

5.1. Asbestos

Table 1 below presents the findings of bulk asbestos material samples collected from and applicable to the project areas, based on visual observations at the time of the site survey and historical documentation.

Table 1: Summary of Bulk Samples Analyzed for Asbestos Content by PLM			
Sample I.D.	Sample Location	Material Description	Asbestos Content (%)
2308849-C-01A	Area C Roof	Exterior Stucco	1% Chrysotile
2308849-C-01B			Not Analyzed (Stop Positive)
2308849-C-01C			Not Analyzed (Stop Positive)
2308849-C-02A	Area C Roof	Column Parging	1% Chrysotile
2308849-C-02B			Not Analyzed (Stop Positive)
2308849-C-02C			Not Analyzed (Stop Positive)
2308849-D-03A	Area D	EIFS Cladding	None Detected
2308849-D-03B			

Table 1: Summary of Bulk Samples Analyzed for Asbestos Content by PLM			
Sample I.D.	Sample Location	Material Description	Asbestos Content (%)
2308849-D-03C			
2308849-D-04A	Area D	Foundation Parge (Stucco & Parging Layers)	None Detected
2308849-D-04B			
2308849-D-04C			
2308849-D-05A	Area D	Black Tar (under foam)	None Detected
2308849-D-05B			
2308849-D-05C			
2308849-D-06A	Area D	Black Caulking	None Detected
2308849-D-06B			
2308849-D-06C			
2308849-E2-07A	Area E2	EIFS Cladding (white & brown layers)	None Detected
2308849-E2-07B			
2308849-E2-07C			
2308849-E2-08A	Area E2	EIFS Cladding (white & grey)	20% Chrysotile (grey Transite layer)
2308849-E2-08B			Not Analyzed (Stop Positive)
2308849-E2-08C			
2308849-G-09A	Area G Roof	Exterior Stucco	1% Chrysotile
2308849-G-09B			Not Analyzed (Stop Positive)
2308849-G-09C			
2308849-G-10A	Area G Roof	Beige Wall Caulking	None Detected
2308849-G-10B			
2308849-G-10C			
2308849-E1-11A	Area E1	Exterior Stucco (Northwest)	1% Chrysotile
2308849-E1-11B			Not Analyzed (Stop Positive)
2308849-E1-11C			
2308849-E1-12A	Area E1	Foundation Parge	None Detected
2308849-E1-12B			
2308849-E1-12C			
2308849-E1-13A	Area E1	Exterior Stucco (North)	1% Chrysotile
2308849-E1-13B			Not Analyzed (Stop Positive)
2308849-E1-13C			
2308849-E1-14A	Area E1	Exterior Stucco (Northeast)	1% Chrysotile
2308849-E1-14B			Not Analyzed (Stop Positive)

Table 1: Summary of Bulk Samples Analyzed for Asbestos Content by PLM			
Sample I.D.	Sample Location	Material Description	Asbestos Content (%)
2308849-E1-14C			
2308849-E1-31A	Area E1	Door Overhang Transite	20% Chrysotile
2308849-E1-31B			Not Analyzed (Stop Positive)
2308849-E1-31C			Not Analyzed (Stop Positive)
2308849-B-15A	Area B	Exterior Stucco	1% Chrysotile
2308849-B-15B			Not Analyzed (Stop Positive)
2308849-B-15C			
2308849-B-15D			
2308849-B-15E			
2308849-B-15F			
2308849-B-15G			
2308849-B-16A	Area B	Exterior Grey Patch (parging & texture coat layers)	None Detected
2308849-B-16B			
2308849-B-16C			
2308849-B-17A	Area B	Exterior Grey Patch (parging & texture coat layers)	None Detected
2308849-B-17B			
2308849-B-17C			
2308849-G-18A	Area G	Exterior Stucco	1% Chrysotile
2308849-G-18B			Not Analyzed (Stop Positive)
2308849-G-18C			
2308849-G-19A	Area G	Wood Door Caulking	None Detected
2308849-G-19B			
2308849-G-19C			
2308849-G-20A	Area G	Concrete Block Mortar	None Detected
2308849-G-20B			
2308849-G-20C			
2308849-H-21A	Area H	Exterior Stucco	1% Chrysotile
2308849-H-21B			Not Analyzed (Stop Positive)
2308849-H-21C			
2308849-H-22A	Area H	Wall Parge/Plaster	1% Chrysotile
2308849-H-22B			Not Analyzed (Stop Positive)
2308849-H-22C			
2308849-H-23A	Area H	Beige Door Caulking	None Detected
2308849-H-23B			

Table 1: Summary of Bulk Samples Analyzed for Asbestos Content by PLM			
Sample I.D.	Sample Location	Material Description	Asbestos Content (%)
2308849-H-23C			
2308849-H-24A	Area H	Black Door Caulking	None Detected
2308849-H-24B			
2308849-H-24C			
2308849-C-25A	Area C	Exterior Stucco	1% Chrysotile
2308849-C-25B			Not Analyzed (Stop Positive)
2308849-C-25C			
2308849-C-26A	Area C	Foundation Parge	None Detected
2308849-C-26B			1% Chrysotile
2308849-C-26C			Not Analyzed (Stop Positive)
2308849-F-27A	Area F	Exterior Stucco	1% Chrysotile
2308849-F-27B			Not Analyzed (Stop Positive)
2308849-F-27C			
2308849-F-28A	Area F	Foundation Parge	1% Chrysotile
2308849-F-28B			Not Analyzed (Stop Positive)
2308849-F-28C			
2308849-F-29A	Area F	Grey Duct Caulking	2% Chrysotile
2308849-F-29B			Not Analyzed (Stop Positive)
2308849-F-29C			
2308849-G-30A	Area G	Exterior Stucco	2% Chrysotile
2308849-G-30B			Not Analyzed (Stop Positive)
2308849-G-30C			

Note: **Bold** items contain regulated amounts of asbestos ($\geq 0.5\%$), as per O.Reg. 278/05, as amended.

5.1.1. Asbestos-Containing Materials

Based on bulk sampling and subsequent laboratory analysis, the following materials observed within the project area contain regulated amounts of asbestos:

- Friable exterior stucco was determined to contain 1-2% Chrysotile asbestos throughout sections B, C, E1, F, G and H (Englobe Sample IDs: C-01A, G-09A, E1-11A, E1-13A, E1-14A, B-15A, G-18A, H-21A, C-25A, F-27A and G-30A). The asbestos-containing stucco was noted to be in poor condition (deteriorating) with the following approximate quantities:
 - Area C - one hundred (100) square metres
 - Area G - six hundred (600) square metres
 - Area E1 - one hundred and twenty-five (125) square metres
 - Area B - five hundred (500) square metres
 - Area H - one hundred and fifty (150) square metres

- Area F - one hundred and seventy-five (175) square metres
 - Englobe personnel noted asbestos-containing stucco debris on the roofs of the project area during the onsite assessment
- Friable (when disturbed) exterior parging, associated with columns, in area C contains 1% Chrysotile asbestos (Englobe Sample ID: C-02A). Approximately twelve square metres of this material was noted from the roof level of area C in poor condition.
 - All exterior parging, associated with columns, in project areas B through H, should be considered asbestos-containing until proven otherwise.
- Friable (when disturbed) parge/plaster, under stucco, in area H contains 1% Chrysotile asbestos (Englobe Sample ID: H-22A). Approximately one hundred and twenty-two (122) square metres of this material was noted in poor condition.
 - All exterior parge/plaster, under stucco, in project areas B through H, should be considered asbestos-containing until proven otherwise.
- Friable (when disturbed) foundation parge, in area C, contains 1% Chrysotile asbestos (Englobe Sample ID: C-26A). Approximately ten (10) square metres of this material was noted in poor condition.
- Friable (when disturbed) foundation parge, in area F, contains 1% Chrysotile asbestos (Englobe Sample ID: F-28A). This material is assumed to be underground and thus could not be quantified.
 - All foundation parge material in project areas B through H should be considered to be asbestos-containing until proven otherwise.
- Non-friable grey Transite (under outer white EIFS layer) in area E2 contains 20% Chrysotile asbestos (Englobe Sample ID: E2-08A). This material was noted to be in good condition but could not be extensively quantified due to being generally concealed. Two (2) test cuts were completed in the E2 EIFS cladding (east side) and it was noted that the material composition was different at each location. The first opening was comprised of a white over brown, non-asbestos containing material and the second opening was comprised of a white over grey asbestos-containing Transite material. Given limited access for visual observations, the Transite should be conservatively assumed throughout the E2 as the transition point between material compositions is unknown, unless the cladding system is removed, and the extent can be fully confirmed. Approximately one hundred (100) m2 of Transite is assumed present
- Non-friable grey Transite panels above doors in areas E1 and B contain 20% Chrysotile asbestos (Englobe Sample ID: E1-31A). These panels were noted to be in good condition with an approximately quantity of thirty (30) square metres.
- Non-friable grey duct caulking in area F contains 2% Chrysotile asbestos (Englobe Sample ID: F-29A). Less than one linear metre of this material was noted in good condition.

5.1.2. Non-Asbestos Containing Materials

Based on historical documentation, bulk sampling and subsequent laboratory analysis, the following materials observed within the project areas do not contain regulated amounts of asbestos:

- Exterior EIFS cladding on area D (Englobe Sample ID: D-03 A-C);
- Foundation parge on area D (Englobe Sample ID: D-04 A-C);
- Black tar under exterior EIFS cladding on area D (Englobe Sample ID: D-05 A-C);
- Black caulking associated with the foundation of area D (Englobe Sample ID: D-06 A-C);
- Exterior white and brown EIFS cladding on area E2 (Englobe Sample ID: E2-07 A-C);
- Beige wall caulking on area G (Englobe Sample ID: G-10 A-C);
- Foundation parge on area E1 (Englobe Sample ID: E1-12 A-C);

- Grey patch on exterior cladding on area B (Englobe Sample ID: B-16 A-C);
- Grey patch on exterior cladding on area B (Englobe Sample ID: B-17 A-C);
- Caulking around wood door on area G (Englobe Sample ID: G-19 A-C);
- Concrete block mortar on area G (Englobe Sample ID: G-20 A-C);
- Beige door caulking on area H (Englobe Sample ID: H-23 A-C); and
- Black door caulking on area H (Englobe Sample ID: H-24 A-C).

5.2. Lead

Table 3 below present the findings of bulk lead in paint samples collected from and applicable to the project area, based on visual observations at the time of the site survey.

Table 3: Summary of Bulk Samples Analyzed for Lead in Paint by ICP-MS			
Sample I.D.	Sample Location	Material Description	Lead Content (ppm)
2308849-C-LP01	Area C, Roof	White stucco paint	87
2308849-C-LP02	Area C, Roof	Green panel paint	55,700
2308849-C-LP03	Area C	White stucco paint	10
2308849-C-LP04	Area C	Black foundation paint	517
2308849-D-LP01	Area D	Green door paint	25
2308849-D-LP02	Area D	Black stair paint	580
2308849-E2-LP01	Area E2	Green door paint	27,400
2308849-G-LP01	Area G, Roof	White stucco paint	12
2308849-G-LP02	Area G	White stucco paint	13
2308849-G-LP03	Area G	Black foundation paint	1,440
2308849-E1-LP01	Area E1	Black foundation paint	1,420
2308849-E1-LP02	Area E1	Green door paint	44,500
2308849-E1-LP03	Area E1	White stucco paint	22
2308849-B-LP01	Area B	Green door paint	37,100
2308849-B-LP02	Area B	White stucco paint	11
2308849-B-LP03	Area B	Black foundation paint	2,080
2308849-B-LP04	Area B	Green door paint	90
2308849-H-LP01	Area H	White stucco paint	16
2308849-H-LP02	Area H	Black foundation paint	64
2308849-F-LP01	Area F	White stucco paint	16
2308849-F-LP02	Area F	Black foundation paint	2,050
2308849-F-LP03	Area F	Green door paint	28,500

Note: **Bold** items show lead concentrations that exceed the 90-ppm limit for lead, as per *Canada Consumer Product Safety Act's Surface Coating Materials Regulations SOR/2016-193*, as amended.

Based on the laboratory results above and the review of historical bulk sampling and subsequent laboratory analysis, the following paints observed within the project areas contain concentrations of lead greater than the Federal Canada Consumer Product Safety Act's limit of 90 ppm:

- Green panel paint sampled from the roof level of area C contains 55,700 ppm lead (Englobe Sample ID: C-LP02);
- Black foundation paint sampled from area C contains 517 ppm lead (Englobe Sample ID: C-LP04);
- Black stair paint sampled from area D contains 580 ppm lead (Englobe Sample ID: D-LP02);
- Green door paint sampled from area E2 contains 27,400 ppm lead (Englobe Sample ID: E2-LP01);
- Black foundation paint sampled from area G contains 1,440 ppm lead (Englobe Sample ID: G-LP03);
- Black foundation paint sampled from area E1 contains 1,420 ppm lead (Englobe Sample ID: E1-LP01);
- Green door paint sampled from area E1 contains 44,500 ppm lead (Englobe Sample ID: E1-LP02);
- Green door paint sampled from area B contains 37,100 ppm lead (Englobe Sample ID: B-LP01);
- Black foundation paint sampled from area B contains 2,080 ppm lead (Englobe Sample ID: B-LP03);
- Green door paint sampled from area B contains 90 ppm lead (Englobe Sample ID: B-LP04);
- Black foundation paint sampled from area F contains 2,050 ppm lead (Englobe Sample ID: F-LP02);
- Green door paint sampled from area F contains 28,500 ppm lead (Englobe Sample ID: F-LP03).

Based on the laboratory results above and the review of historical bulk sampling and subsequent laboratory analysis, the following paints observed within the project areas contain concentrations of lead less than the Federal Canada Consumer Product Safety Act's limit of 90 ppm:

- White stucco paint sampled from the roof level of area C (Englobe Sample ID: C-LP01);
- White stucco paint sampled from area C (Englobe Sample ID: C-LP03);
- Green door paint sampled in area D (Englobe Sample ID: D-LP01);
- White stucco paint sampled from the roof level of area G (Englobe Sample ID: G-LP01);
- White stucco paint sampled from area G (Englobe Sample ID: G-LP-02);
- White stucco paint sampled from area E1 (Englobe Sample ID: E1-LP03);
- White stucco paint sampled from area B (Englobe Sample ID: B-LP02);
- White stucco paint sampled from area H (Englobe Sample ID: H-LP01);
- Black foundation paint sampled from area H (Englobe Sample ID: H-LP02); and
- White stucco paint sampled from area F (Englobe Sample ID: F-LP01).

5.3. Silica

Based on the knowledge of historical composition of building materials, silica is assumed to be present in the following materials:

- Concrete and cement building elements,
- Mortars,
- Plaster,
- Pargings,

- Stucco.

5.4. Other Designated Substances and Hazardous Materials

The following Designated Substances and Hazardous Materials were neither observed, nor suspected of being present, in forms or quantities that would impact work operations associated with the project:

- Acrylonitrile,
- Arsenic,
- Benzene,
- Coke Oven Emissions,
- Ethylene Oxide,
- Halocarbons
- Isocyanates,
- Mercury,
- Mould,
- PCBs,
- Vinyl Chloride.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the site investigation, sampling, and analysis, the following designated substances and hazardous materials are present in forms and quantities that may impact work operations in the project area:

- Asbestos,
- Lead,
- Silica.

Englobe's recommendations for each material, which are based upon both regulatory compliance and best practice guidelines, are included in the following sections below.

6.1. Asbestos

The disturbance of ACMs on construction and demolition projects is governed by the *Canada Occupational Health and Safety Regulations* and in the province of Ontario is governed by O.Reg. 278/05, as amended. These regulations classify all asbestos disturbances as Low Risk (Type 1), Moderate Risk (Type 2), or High Risk (Type 3), each of which has defined precautionary measures. All asbestos materials are subject to specific handling and disposal precautions and must be removed prior to demolition. In the event of conflict between regulations, the more stringent procedures apply.

Identified friable ACMs (plaster, stucco, exterior parging, foundation parge) require a minimum of Type 2 (Moderate Risk) abatement procedures when removing or disturbing one (1) square metre or less of the material. Should demolition, disturbance, or repair be required of more than one (1) square metre of friable ACM, High-Risk abatement procedures are required.

Removal of non-friable ACMs (Transite, duct caulking) can be performed using Low-Risk procedures, provided only non-powered hand tools are used and the material is wetted during removal. If these conditions cannot be met, then more stringent (Moderate Risk or High-Risk) procedures are required.

The breaking, cutting, drilling, abrading, grinding, sanding, or vibrating of non-friable asbestos-containing materials if the work is done by means of a power tool that is attached to a dust-collecting device equipped with HEPA filters, can be performed using Moderate-Risk asbestos work procedures. The breaking, cutting, drilling, abrading, grinding, sanding, or vibrating of non-friable asbestos-containing materials, if the work is done by means of a power tool that is not attached to a dust-collecting device equipped with HEPA filters, requires High-Risk asbestos work procedures.

The transport and disposal of asbestos waste is governed by O. Reg. 347/90 - *General - Waste Management*, as amended. This regulation requires that asbestos waste be sealed in appropriately labelled, double containers resistant to puncture and tears. The waste must be disposed at a licensed waste disposal site.

The time weight average exposure limit (TWAEL) for airborne asbestos is prescribed by O.Reg. 490/09 *Designated Substances*, as amended, and the *Canada Labour Code, Occupational Health, and Safety Regulations*. Work procedures and personal protective equipment must be used to ensure that workers are not exposed to airborne asbestos levels that exceed this TWAEL.

The following recommendations apply to ACMs and suspected ACMs:

- Appropriate work procedures and precautionary measures must be used, as outlined in O.Reg. 278/05, as amended, and the *Canada Occupational Health and Safety Regulations*, as amended, when performing work that may disturb ACMs or suspected ACMs, including prior to building demolition.
- Disturbance and/or removal of ACMs must be appropriately recorded as part of the building's Asbestos Management Plan.
- Before undertaking any work activity that involves asbestos-containing materials, an Asbestos Exposure Control Plan shall be developed, in accordance with the requirements of the *Canada Occupational Health and Safety Regulations*, which includes classification of asbestos specific work activities, onsite labelling of ACMs, and education/training of applicable federal employees specific to ACMs.
- Disposal of asbestos waste is controlled by the Ontario Environmental Protection Act, Regulation 347/90, *General - Waste Management*, as amended. This regulation requires that asbestos waste be sealed in double containers resistant to puncture and tears, and appropriately labelled. The waste must be disposed at a licensed waste disposal site. Proper notification must be issued to the site representative prior to transportation of waste. The transport of the waste to the disposal site is controlled by the federal Transportation of Dangerous Goods Act, 1992 (TDGA) and Ontario Dangerous Goods Transportation Act.
- If ACMs or suspected ACMs become damaged and worker exposure to the material is likely to occur, the damaged material must be repaired or removed following work procedures outlined in O. Reg. 278/05, as amended, and *Canada Labour Code, Occupational Health, and Safety Regulations*, as amended.

6.2. Lead

The Occupational Health and Safety Branch (OHS) of the Ontario Ministry of Labour, Immigration, Training and Skills Development (MLITSD) have published *Guideline: Lead on Construction Projects*. This document classifies all lead disturbances as Type 1, Type 2a, Type 2b, Type 3a or Type 3b work, and assigns different levels of respiratory protection and work procedures for each classification. Disturbance of lead-containing coatings shall follow the procedures of this guideline document.

Paints and other surface coatings containing elevated concentrations of lead can pose a health risk to humans if ingested or inhaled. Such lead-containing surface coatings are also a risk to the environment with the potential to contaminate soil and groundwater. Surface coatings with elevated lead content can also pose a health risk to workers while completing renovations within the building.

Although the Canada Consumer Product Safety Act's *Surface Coating Materials Regulations SOR/2016-193*, as amended, has set a limit of 90 parts per million (ppm) for surface coating materials, there may be a potential for exposure to high levels of airborne lead depending on the work activities performed that disturb the lead-containing materials, even at low lead content concentrations. Conducting a risk assessment to assess the potential for exposure to lead should be performed to determine the need to follow work procedures such as those in the MLITSD guideline referenced above.

In the event of conflict between lead precautionary measures and other precautionary measures (e.g., asbestos, silica), the more stringent procedures shall apply.

The time weighted average exposure limit (TWAEL) for airborne lead is prescribed by O.Reg. 490/09 *Designated Substances*, as amended. Work procedures and personal protective equipment must be used to ensure that workers are not exposed to airborne lead levels that exceed this TWAEL.

The disposal of construction waste containing lead is governed by O. Reg. 347/90 - *General - Waste Management*, as amended. The transport of the waste to the disposal site is controlled by the federal TDGA and the Ontario Dangerous Goods Transportation Act. Materials with elevated concentrations of lead should be subject to Toxicity Characteristic Leaching Procedure (TCLP) testing to determine toxicity with respect to lead prior to disposal, in accordance with O. Reg. 347/90, as amended.

6.3. Silica

The Occupational Health and Safety Branch of the Ontario MLITSD has published *Guideline: Silica on Construction Projects*. This document classifies all silica disturbances as Type 1, Type 2, or Type 3 work, and assigns different levels of respiratory protection and work procedures for each classification. This guideline should be followed during disturbance of silica-containing materials. It is preferable to use more stringent dust suppression techniques and engineering controls as opposed to relying on respiratory protection to control worker exposure. Respiratory protection should only be relied on as a last resort when dust suppression techniques and engineering controls fail to control worker exposure.

The TWAEL for airborne silica is prescribed by O.Reg. 490/09 *Designated Substances*, as amended. Work procedures and personal protective equipment must be used to ensure that workers are not exposed to airborne silica levels that exceed this exposure limit.

7.0 CLOSURE

A Statement of Limitations, which forms an integral part of this report, is included in Appendix D.

We trust that the information contained herein meets your needs. Should you have any questions or comments, please do not hesitate to contact us.

Yours very truly,

Englobe Corp.



Angeline Snow, B.Tech, AMRT, C.E.T.
Senior Project Manager
Angeline.Snow@englobecorp.com



Kyle Thompson, B.Sc., WRT, C.E.T.
Director of Operations - HHS
Kyle.Thompson@englobecorp.com

APPENDICES

- Appendix A Representative Photographs
- Appendix B Laboratory Certificates of Analysis
- Appendix C Drawing with Sample Locations
- Appendix D Statement of Limitations

Property and Confidentiality

“This report can only be used for the purposes stated therein. Any use of the report must take into consideration the object and scope of the mandate by virtue of which the report was prepared, as well as the limitations and conditions specified therein and the state of scientific knowledge at the time the report was prepared. Englobe Corp. provides no warranty and makes no representations other than those expressly contained in the report.

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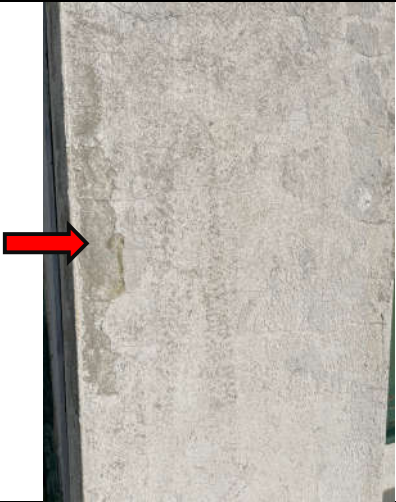

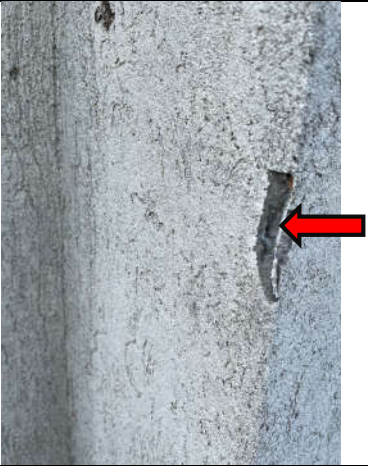
If tests have been carried out, the results of these tests are valid only for the sample described in this report.

Englobe Corp.’s subcontractors who have carried out on-site or laboratory work are duly assessed according to the purchase procedure of our quality system. For further information, please contact your project manager.”

Appendix A

Representative Photographs



<p>Photo</p>	<p>1</p>	<p>2</p>
		
<p>Sample ID</p>	<p>C-01 A-C</p>	<p>C-02 A-C</p>
<p>Material Description</p>	<p>Asbestos-containing exterior stucco from the roof level of area C</p>	<p>Asbestos-containing column parging from the roof level of area C</p>
<p>Photo</p>	<p>3</p>	<p>4</p>
		
<p>Sample ID</p>	<p>C-LP02</p>	<p>D-03 A-C</p>
<p>Material Description</p>	<p>Green panel paint from the roof level of area C (55,700 ppm lead)</p>	<p>Non-asbestos containing exterior EIFS cladding on area D</p>






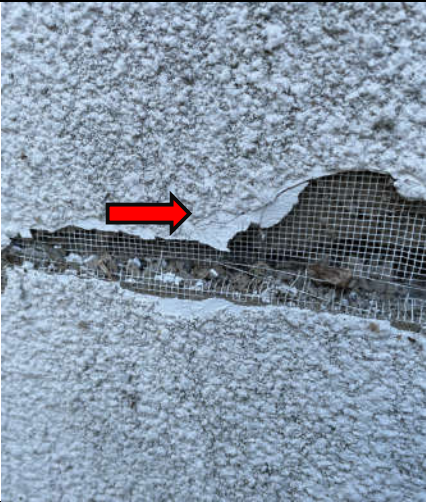
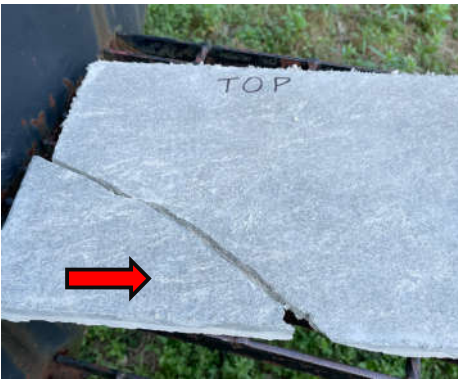


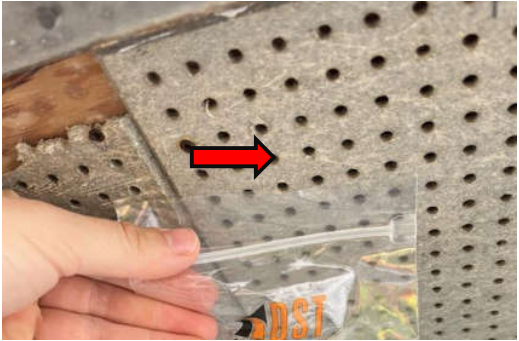



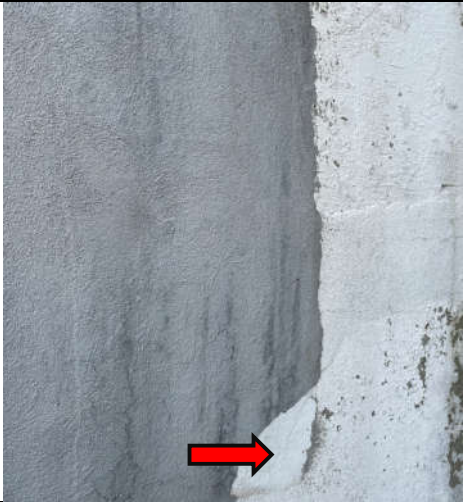





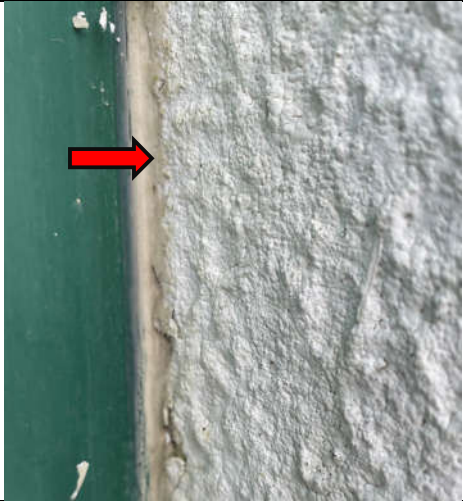

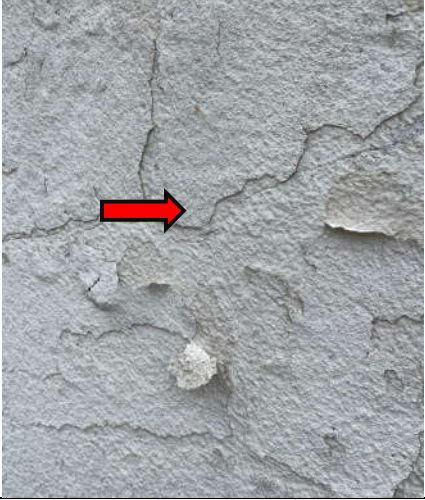


	5	6
Photo		
Sample ID	D-05 A	D-04 A-C
Material Description	Non-asbestos containing tar behind EIFS cladding on area D	Non-asbestos containing cementitious foundation parge on area D
	7	8
Photo		
Sample ID	D-06 A-C	D-LP01
Material Description	Non-asbestos containing black caulking associated with the foundation of area D	Green door paint from area D (25 ppm lead)

Photo	9	10
		
Sample ID	D-LP02	E2-07 A-C
Material Description	Black stair paint from area D (580 ppm lead)	Non-asbestos containing (white & brown) EIFS cladding from area E2
Photo	11	12
		
Sample ID	E2-08 A	G-09 A
Material Description	Asbestos-containing (white & grey) EIFS cladding from area E2	Asbestos-containing exterior stucco from area G

	13	14
Photo		
Sample ID	B-10 B	E1-31 A
Material Description	Non-asbestos containing beige caulking from area G	Asbestos-containing Transite panels above doors from area E1
	15	16
Photo		
Sample ID	E1-LP01	E1-13 A
Material Description	Black foundation paint from area E1 (contains 1,420 ppm lead)	Asbestos-containing exterior stucco from area E1

	17	18
Photo		
Sample ID	B-15 A	B-16 A-C
Material Description	Asbestos-containing exterior stucco on area B	Non-asbestos containing grey patch on area B
	19	20
Photo		
Sample ID	B-17 A-C	G-18 A
Material Description	Non-asbestos containing grey patch on area B	Asbestos-containing exterior stucco on area G

	21	22
Photo		
Sample ID	H-21 A	H-LP02
Material Description	Asbestos-containing exterior stucco on area H	Black foundation paint on area H (64 ppm lead)
	23	24
Photo		
Sample ID	H-22 A	H-23 A-C
Material Description	Asbestos-containing exterior parge/plaster on area H	Non-asbestos containing beige caulking on area H

	25	26
Photo		
Sample ID	C-26 A	C-25 A
Material Description	Asbestos-containing foundation parge on area C	Asbestos-containing exterior stucco on area C
	27	28
Photo		
Sample ID	F-28 A	F-29 A
Material Description	Asbestos-containing foundation parge on area F	Asbestos-containing grey duct caulking on area F

Appendix B

Laboratory Certificates of Analysis



Certificate of Analysis

Englobe Corp. (Ottawa)

2713 Lancaster Road, Unit 101
Ottawa, ON K1B 5R6
Attn: Angeline Snow

Client PO: NRC-U66
Project: 02308849.000
Custody:

Report Date: 25-Sep-2023
Order Date: 19-Sep-2023

Order #: 2338111

This Certificate of Analysis contains analytical data applicable to the following samples as submitted :

Parcel ID	Client ID
2338111-01	2308849-C-01A- Area C Exterior Stucco
2338111-02	2308849-C-01B- Area C Exterior Stucco
2338111-03	2308849-C-01C- Area C Exterior Stucco
2338111-04	2308849-C-02A- Area C Column Parging
2338111-05	2308849-C-02B- Area C Column Parging
2338111-06	2308849-C-02C- Area C Column Parging
2338111-07	2308849-D-03A- Area D EIFS Cladding
2338111-08.1	2308849-D-03B- Area D EIFS Cladding
2338111-08.2	2308849-D-03B- Area D EIFS Cladding
2338111-09.1	2308849-D-03C- Area D EIFS Cladding
2338111-09.2	2308849-D-03C- Area D EIFS Cladding
2338111-10.1	2308849-D-04A- Area D Foundation Parge
2338111-10.2	2308849-D-04A- Area D Foundation Parge
2338111-10.3	2308849-D-04A- Area D Foundation Parge
2338111-11.1	2308849-D-04B- Area D Foundation Parge
2338111-11.2	2308849-D-04B- Area D Foundation Parge
2338111-12.1	2308849-D-04C- Area D Foundation Parge
2338111-12.2	2308849-D-04C- Area D Foundation Parge
2338111-13	2308849-D-05A- Area D Black Tar Behind EIFS Cladding
2338111-14	2308849-D-05B- Area D Black Tar Behind EIFS Cladding
2338111-15	2308849-D-05C- Area D Black Tar Behind EIFS Cladding
2338111-16	2308849-D-06A- Area D Black Caulking
2338111-17	2308849-D-06B- Area D Black Caulking
2338111-18	2308849-D-06C- Area D Black Caulking
2338111-19.1	2308849-E2-07A- Area E2 EIFS Cladding (White & Brown)
2338111-19.2	2308849-E2-07A- Area E2 EIFS Cladding (White & Brown)

Approved By:



Emma Diaz

Senior Analyst

Certificate of Analysis
 Client: **Englobe Corp. (Ottawa)**
 Client PO: **NRC-U66**

Report Date: 25-Sep-2023
 Order Date: 19-Sep-2023
 Project Description: **02308849.000**

2338111-20.1	2308849-E2-07B- Area E2 EIFS Classing (White & Brown)
2338111-20.2	2308849-E2-07B- Area E2 EIFS Classing (White & Brown)
2338111-21.1	2308849-E2-07C- Area E2 EIFS Classing (White & Brown)
2338111-21.2	2308849-E2-07C- Area E2 EIFS Classing (White & Brown)
2338111-22	2308849-E2-08A- Area E2 EIFS Cladding (White & Grey)
2338111-23	2308849-E2-08B- Area E2 EIFS Cladding (White & Grey)
2338111-24	2308849-E2-08C- Area E2 EIFS Cladding (White & Grey)
2338111-25	2308849-G-09A- Area G Exterior Stucco
2338111-26	2308849-G-09B- Area G Exterior Stucco
2338111-27	2308849-G-09C- Area G Exterior Stucco
2338111-28	2308849-G-10A- Area G Beige Wall Caulking
2338111-29	2308849-G-10B- Area G Beige Wall Caulking
2338111-30	2308849-G-10C- Area G Beige Wall Caulking
2338111-31	2308849-E1-11A- Area E1 Exterior Stucco
2338111-32	2308849-E1-11B- Area E1 Exterior Stucco
2338111-33	2308849-E1-11C- Area E1 Exterior Stucco
2338111-34.1	2308849-E1-12A- Area E1 Grey Foundation Parge
2338111-34.2	2308849-E1-12A- Area E1 Grey Foundation Parge
2338111-35.1	2308849-E1-12B- Area E1 Grey Foundation Parge
2338111-35.2	2308849-E1-12B- Area E1 Grey Foundation Parge
2338111-36.1	2308849-E1-12C- Area E1 Grey Foundation Parge
2338111-36.2	2308849-E1-12C- Area E1 Grey Foundation Parge
2338111-37	2308849-E1-13A- Area E1 Exterior Stucco
2338111-38	2308849-E1-13B- Area E1 Exterior Stucco
2338111-39	2308849-E1-13C- Area E1 Exterior Stucco
2338111-40	2308849-E1-14A- Area E1 Exterior Stucco
2338111-41	2308849-E1-14B- Area E1 Exterior Stucco
2338111-42	2308849-E1-14C- Area E1 Exterior Stucco
2338111-43.1	2308849-B-15A- Section B Exterior Stucco
2338111-43.2	2308849-B-15A- Section B Exterior Stucco
2338111-44	2308849-B-15B- Section B Exterior Stucco
2338111-45	2308849-B-15C- Section B Exterior Stucco
2338111-46	2308849-B-15D- Section B Exterior Stucco
2338111-47	2308849-B-15E- Section B Exterior Stucco
2338111-48	2308849-B-15F- Section B Exterior Stucco
2338111-49	2308849-B-15G- Section B Exterior Stucco
2338111-50.1	2308849-B-16A- Section B Grey Parge Patch
2338111-50.2	2308849-B-16A- Section B Grey Parge Patch
2338111-51.1	2308849-B-16B- Section B Grey Parge Patch
2338111-51.2	2308849-B-16B- Section B Grey Parge Patch
2338111-52.1	2308849-B-16C- Section B Grey Parge Patch
2338111-52.2	2308849-B-16C- Section B Grey Parge Patch
2338111-53.1	2308849-B-17A- Section B Grey Parge Patch
2338111-53.2	2308849-B-17A- Section B Grey Parge Patch

Certificate of Analysis
 Client: Englobe Corp. (Ottawa)
 Client PO: NRC-U66

Report Date: 25-Sep-2023
 Order Date: 19-Sep-2023
 Project Description: 02308849.000

2338111-54.1	2308849-B-17B- Section B Grey Parge Patch
2338111-54.2	2308849-B-17B- Section B Grey Parge Patch
2338111-55.1	2308849-B-17C- Section B Grey Parge Patch
2338111-55.2	2308849-B-17C- Section B Grey Parge Patch
2338111-56	2308849-G-18A- Section G Exterior Stucco
2338111-57	2308849-G-18B- Section G Exterior Stucco
2338111-58	2308849-G-18C- Section G Exterior Stucco
2338111-59	2308849-G-19A- Section G Wood Door Caulking
2338111-60	2308849-G-19B- Section G Wood Door Caulking
2338111-61	2308849-G-19C- Section G Wood Door Caulking
2338111-62.1	2308849-G-20A- Section G Concrete Block Mortar
2338111-62.2	2308849-G-20A- Section G Concrete Block Mortar
2338111-63.1	2308849-G-20B- Section G Concrete Block Mortar
2338111-63.2	2308849-G-20B- Section G Concrete Block Mortar
2338111-64.1	2308849-G-20C- Section G Concrete Block Mortar
2338111-64.2	2308849-G-20C- Section G Concrete Block Mortar
2338111-65	2308849-H-21A- Section H Exterior Stucco
2338111-66	2308849-H-21B- Section H Exterior Stucco
2338111-67	2308849-H-21C- Section H Exterior Stucco
2338111-68.1	2308849-H-22A- Section H Wall Parge/Plaster
2338111-68.2	2308849-H-22A- Section H Wall Parge/Plaster
2338111-69.1	2308849-H-22B- Section H Wall Parge/Plaster
2338111-69.2	2308849-H-22B- Section H Wall Parge/Plaster
2338111-70.1	2308849-H-22C- Section H Wall Parge/Plaster
2338111-70.2	2308849-H-22C- Section H Wall Parge/Plaster
2338111-71	2308849-H-23A- Section H Beige Door Caulking
2338111-72	2308849-H-23B- Section H Beige Door Caulking
2338111-73	2308849-H-23C- Section H Beige Door Caulking
2338111-74	2308849-H-24A- Section H Black Door Caulking
2338111-75	2308849-H-24B- Section H Black Door Caulking
2338111-76	2308849-H-24C- Section H Black Door Caulking
2338111-77	2308849-C-25A- Section C Exterior Stucco
2338111-78	2308849-C-25B- Section C Exterior Stucco
2338111-79	2308849-C-25C- Section C Exterior Stucco
2338111-80.1	2308849-C-26A- Section C Foundation Parge
2338111-80.2	2308849-C-26A- Section C Foundation Parge
2338111-81.1	2308849-C-26B- Section C Foundation Parge
2338111-81.2	2308849-C-26B- Section C Foundation Parge
2338111-82.1	2308849-C-26C- Section C Foundation Parge
2338111-82.2	2308849-C-26C- Section C Foundation Parge
2338111-83	2308849-F-27A- Section F Exterior Stucco
2338111-84	2308849-F-27B- Section F Exterior Stucco
2338111-85	2308849-F-27C- Section F Exterior Stucco
2338111-86	2308849-F-28A- Section F Foundation Parge

Certificate of Analysis

Client: **Englobe Corp. (Ottawa)**

Client PO: **NRC-U66**

Report Date: 25-Sep-2023

Order Date: 19-Sep-2023

Project Description: **02308849.000**

2338111-87	2308849-F-28B- Section F Foundation Parge
2338111-88	2308849-F-28C- Section F Foundation Parge
2338111-89.1	2308849-F-29A- Section F Grey Duct Caulking
2338111-89.2	2308849-F-29A- Section F Grey Duct Caulking
2338111-90.1	2308849-F-29B- Section F Grey Duct Caulking
2338111-90.2	2308849-F-29B- Section F Grey Duct Caulking
2338111-91.1	2308849-F-29C- Section F Grey Duct Caulking
2338111-91.2	2308849-F-29C- Section F Grey Duct Caulking
2338111-92	2308849-G-30A- Section G Exterior Stucco
2338111-93	2308849-G-30B- Section G Exterior Stucco
2338111-94	2308849-G-30C- Section G Exterior Stucco
2338111-95	2308849-31A
2338111-96	2308849-31B
2338111-97	2308849-31C

Certificate of Analysis
 Client: Englobe Corp. (Ottawa)
 Client PO: NRC-U66

Report Date: 25-Sep-2023
 Order Date: 19-Sep-2023
 Project Description: 02308849.000

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-01	18-Sep-23	White	Exterior Stucco	Yes	Client ID: 2308849-C-01A- Area C Exterior Stucco	
					Chrysotile	1
					Non-Fibers	99
2338111-02	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-C-01B- Area C Exterior Stucco	
					not analyzed, positive stop	
2338111-03	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-C-01C- Area C Exterior Stucco	
					not analyzed, positive stop	
2338111-04	18-Sep-23	Grey	Parging	Yes	Client ID: 2308849-C-02A- Area C Column Parging	
					Chrysotile	1
					Non-Fibers	99
2338111-05	18-Sep-23	Grey	Parging		Client ID: 2308849-C-02B- Area C Column Parging	
					not analyzed, positive stop	
2338111-06	18-Sep-23	Grey	Parging		Client ID: 2308849-C-02C- Area C Column Parging	
					not analyzed, positive stop	
2338111-07	18-Sep-23	White	Stucco	No	Client ID: 2308849-D-03A- Area D EIFS Cladding	
					MMVF	1
					Non-Fibers	99
2338111-08.1	18-Sep-23	White	Stucco	No	Client ID: 2308849-D-03B- Area D EIFS Cladding	
					MMVF	1
					Non-Fibers	99
2338111-08.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-D-03B- Area D EIFS Cladding	
					MMVF	1
					Non-Fibers	99
2338111-09.1	18-Sep-23	White	Stucco	No	Client ID: 2308849-D-03C- Area D EIFS Cladding	
					MMVF	1
					Non-Fibers	99

Certificate of Analysis
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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-09.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-D-03C- Area D EIFS Cladding	
					MMVF	1
					Non-Fibers	99
2338111-10.1	18-Sep-23	Black/White	Stucco	No	Client ID: 2308849-D-04A- Area D Foundation Parge	[AS-LR-NA]
					Non-Fibers	100
2338111-10.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-D-04A- Area D Foundation Parge	
					Non-Fibers	100
2338111-10.3	18-Sep-23	Light Grey	Parging	No	Client ID: 2308849-D-04A- Area D Foundation Parge	
					Non-Fibers	100
2338111-11.1	18-Sep-23	Black/White	Stucco	No	Client ID: 2308849-D-04B- Area D Foundation Parge	[AS-LR-NA]
					Non-Fibers	100
2338111-11.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-D-04B- Area D Foundation Parge	
					Non-Fibers	100
2338111-12.1	18-Sep-23	Black/White	Stucco	No	Client ID: 2308849-D-04C- Area D Foundation Parge	[AS-LR-NA]
					Non-Fibers	100
2338111-12.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-D-04C- Area D Foundation Parge	
					Non-Fibers	100
2338111-13	18-Sep-23	Black	Tar	No	Client ID: 2308849-D-05A- Area D Black Tar Behind EIFS Cladding	[AS-PRE]
					MMVF	5
					Non-Fibers	95
2338111-14	18-Sep-23	Black	Tar	No	Client ID: 2308849-D-05B- Area D Black Tar Behind EIFS Cladding	[AS-PRE]
					MMVF	5
					Non-Fibers	95
2338111-15	18-Sep-23	Black	Tar	No	Client ID: 2308849-D-05C- Area D Black Tar Behind EIFS Cladding	[AS-PRE]
					MMVF	5
					Non-Fibers	95

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-16	18-Sep-23	Black	Caulking	No	Client ID: 2308849-D-06A- Area D Black Caulking	
					Non-Fibers	100
2338111-17	18-Sep-23	Black	Caulking	No	Client ID: 2308849-D-06B- Area D Black Caulking	
					Non-Fibers	100
2338111-18	18-Sep-23	Black	Caulking	No	Client ID: 2308849-D-06C- Area D Black Caulking	
					Non-Fibers	100
2338111-19.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-E2-07A- Area E2 EIFS Classing (White & Brown)	
					Cellulose	1
					Non-Fibers	98
					Other fibers	1
2338111-19.2	18-Sep-23	Beige/Grey	Parging	No	Client ID: 2308849-E2-07A- Area E2 EIFS Classing (White & Brown) [AS-LR-NA]	
					Non-Fibers	100
2338111-20.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-E2-07B- Area E2 EIFS Classing (White & Brown)	
					Cellulose	1
					Non-Fibers	98
					Other fibers	1
2338111-20.2	18-Sep-23	Beige/Grey	Parging	No	Client ID: 2308849-E2-07B- Area E2 EIFS Classing (White & Brown) [AS-LR-NA]	
					Non-Fibers	100
2338111-21.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-E2-07C- Area E2 EIFS Classing (White & Brown)	
					Cellulose	1
					Non-Fibers	98
					Other fibers	1
2338111-21.2	18-Sep-23	Beige/Grey	Parging	No	Client ID: 2308849-E2-07C- Area E2 EIFS Classing (White & Brown) [AS-LR-NA]	
					Non-Fibers	100
2338111-22	18-Sep-23	Grey	Transite	Yes	Client ID: 2308849-E2-08A- Area E2 EIFS Cladding (White & Grey)	
					Chrysotile	20
					Non-Fibers	80

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-23	18-Sep-23	Grey	Transite		Client ID: 2308849-E2-08B- Area E2 EIFS Cladding (White & Grey) not analyzed, positive stop	
2338111-24	18-Sep-23	Grey	Transite		Client ID: 2308849-E2-08C- Area E2 EIFS Cladding (White & Grey) not analyzed, positive stop	
2338111-25	18-Sep-23	White	Exterior Stucco	Yes	Client ID: 2308849-G-09A- Area G Exterior Stucco Chrysotile Non-Fibers	1 99
2338111-26	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-G-09B- Area G Exterior Stucco not analyzed, positive stop	
2338111-27	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-G-09C- Area G Exterior Stucco not analyzed, positive stop	
2338111-28	18-Sep-23	White	Caulking	No	Client ID: 2308849-G-10A- Area G Beige Wall Caulking Non-Fibers	100
2338111-29	18-Sep-23	White	Caulking	No	Client ID: 2308849-G-10B- Area G Beige Wall Caulking Non-Fibers	100
2338111-30	18-Sep-23	White	Caulking	No	Client ID: 2308849-G-10C- Area G Beige Wall Caulking Non-Fibers	100
2338111-31	18-Sep-23	White	Exterior Stucco	Yes	Client ID: 2308849-E1-11A- Area E1 Exterior Stucco Chrysotile Non-Fibers	1 99
2338111-32	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-E1-11B- Area E1 Exterior Stucco not analyzed, positive stop	
2338111-33	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-E1-11C- Area E1 Exterior Stucco not analyzed, positive stop	

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-34.1	18-Sep-23	Grey	Parging	No	Client ID: 2308849-E1-12A- Area E1 Grey Foundation Parge Non-Fibers	100
2338111-34.2	18-Sep-23	Dark Grey	Parging	No	Client ID: 2308849-E1-12A- Area E1 Grey Foundation Parge Non-Fibers	100
2338111-35.1	18-Sep-23	Grey	Parging	No	Client ID: 2308849-E1-12B- Area E1 Grey Foundation Parge Non-Fibers	100
2338111-35.2	18-Sep-23	Dark Grey	Parging	No	Client ID: 2308849-E1-12B- Area E1 Grey Foundation Parge Non-Fibers	100
2338111-36.1	18-Sep-23	Grey	Parging	No	Client ID: 2308849-E1-12C- Area E1 Grey Foundation Parge Non-Fibers	100
2338111-36.2	18-Sep-23	Dark Grey	Parging	No	Client ID: 2308849-E1-12C- Area E1 Grey Foundation Parge Non-Fibers	100
2338111-37	18-Sep-23	White	Exterior Stucco	Yes	Client ID: 2308849-E1-13A- Area E1 Exterior Stucco Chrysotile Non-Fibers	1 99
2338111-38	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-E1-13B- Area E1 Exterior Stucco not analyzed, positive stop	
2338111-39	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-E1-13C- Area E1 Exterior Stucco not analyzed, positive stop	
2338111-40	18-Sep-23	White	Exterior Stucco	Yes	Client ID: 2308849-E1-14A- Area E1 Exterior Stucco Chrysotile Non-Fibers	1 99
2338111-41	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-E1-14B- Area E1 Exterior Stucco not analyzed, positive stop	

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-42	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-E1-14C- Area E1 Exterior Stucco not analyzed, positive stop	
2338111-43.1	18-Sep-23	Off-white	Exterior Stucco	Yes	Client ID: 2308849-B-15A- Section B Exterior Stucco Chrysotile Non-Fibers	1 99
2338111-43.2	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-B-15A- Section B Exterior Stucco not analyzed, positive stop	
2338111-44	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-B-15B- Section B Exterior Stucco not analyzed, positive stop	
2338111-45	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-B-15C- Section B Exterior Stucco not analyzed, positive stop	
2338111-46	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-B-15D- Section B Exterior Stucco not analyzed, positive stop	
2338111-47	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-B-15E- Section B Exterior Stucco not analyzed, positive stop	
2338111-48	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-B-15F- Section B Exterior Stucco not analyzed, positive stop	
2338111-49	18-Sep-23	White	Exterior Stucco		Client ID: 2308849-B-15G- Section B Exterior Stucco not analyzed, positive stop	
2338111-50.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-B-16A- Section B Grey Parge Patch Non-Fibers	100
2338111-50.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-B-16A- Section B Grey Parge Patch Non-Fibers	100
2338111-51.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-B-16B- Section B Grey Parge Patch Non-Fibers	100

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-51.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-B-16B- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-52.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-B-16C- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-52.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-B-16C- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-53.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-B-17A- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-53.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-B-17A- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-54.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-B-17B- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-54.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-B-17B- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-55.1	18-Sep-23	White	Texture Coat	No	Client ID: 2308849-B-17C- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-55.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-B-17C- Section B Grey Parge Patch	
					Non-Fibers	100
2338111-56	18-Sep-23	White	Stucco	Yes	Client ID: 2308849-G-18A- Section G Exterior Stucco	
					Chrysotile	1
					Non-Fibers	99
2338111-57	18-Sep-23	White	Stucco		Client ID: 2308849-G-18B- Section G Exterior Stucco	
					not analyzed, positive stop	
2338111-58	18-Sep-23	White	Stucco		Client ID: 2308849-G-18C- Section G Exterior Stucco	
					not analyzed, positive stop	

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-59	18-Sep-23	White	Caulking	No	Client ID: 2308849-G-19A- Section G Wood Door Caulking	
					MMVF	1
					Non-Fibers	99
2338111-60	18-Sep-23	White	Caulking	No	Client ID: 2308849-G-19B- Section G Wood Door Caulking	
					MMVF	1
					Non-Fibers	99
2338111-61	18-Sep-23	White	Caulking	No	Client ID: 2308849-G-19C- Section G Wood Door Caulking	
					MMVF	1
					Non-Fibers	99
2338111-62.1	18-Sep-23	Off-white	Texture Coat	No	Client ID: 2308849-G-20A- Section G Concrete Block Mortar	
					Non-Fibers	100
2338111-62.2	18-Sep-23	Grey	Mortar	No	Client ID: 2308849-G-20A- Section G Concrete Block Mortar	
					Non-Fibers	100
2338111-63.1	18-Sep-23	Off-white	Texture Coat	No	Client ID: 2308849-G-20B- Section G Concrete Block Mortar	
					Non-Fibers	100
2338111-63.2	18-Sep-23	Grey	Mortar	No	Client ID: 2308849-G-20B- Section G Concrete Block Mortar	
					Non-Fibers	100
2338111-64.1	18-Sep-23	Black	Tar	No	Client ID: 2308849-G-20C- Section G Concrete Block Mortar	
					Non-Fibers	100
2338111-64.2	18-Sep-23	Grey	Mortar	No	Client ID: 2308849-G-20C- Section G Concrete Block Mortar	
					Non-Fibers	100
2338111-65	18-Sep-23	White	Stucco	Yes	Client ID: 2308849-H-21A- Section H Exterior Stucco	
					Chrysotile	1
					Non-Fibers	99
2338111-66	18-Sep-23	White	Stucco		Client ID: 2308849-H-21B- Section H Exterior Stucco	
					not analyzed, positive stop	

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-67	18-Sep-23	White	Stucco		Client ID: 2308849-H-21C- Section H Exterior Stucco not analyzed, positive stop	
2338111-68.1	18-Sep-23	White	Plaster	Yes	Client ID: 2308849-H-22A- Section H Wall Parge/Plaster Chrysotile Non-Fibers	1 99
2338111-68.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-H-22A- Section H Wall Parge/Plaster Non-Fibers	100
2338111-69.1	18-Sep-23	White	Plaster		Client ID: 2308849-H-22B- Section H Wall Parge/Plaster not analyzed, positive stop	
2338111-69.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-H-22B- Section H Wall Parge/Plaster Non-Fibers	100
2338111-70.1	18-Sep-23	White	Plaster		Client ID: 2308849-H-22C- Section H Wall Parge/Plaster not analyzed, positive stop	
2338111-70.2	18-Sep-23	Grey	Parging	No	Client ID: 2308849-H-22C- Section H Wall Parge/Plaster Non-Fibers	100
2338111-71	18-Sep-23	White	Caulking	No	Client ID: 2308849-H-23A- Section H Beige Door Caulking Non-Fibers	100
2338111-72	18-Sep-23	White	Caulking	No	Client ID: 2308849-H-23B- Section H Beige Door Caulking Non-Fibers	100
2338111-73	18-Sep-23	White	Caulking	No	Client ID: 2308849-H-23C- Section H Beige Door Caulking Non-Fibers	100
2338111-74	18-Sep-23	Black	Caulking	No	Client ID: 2308849-H-24A- Section H Black Door Caulking Non-Fibers	100
2338111-75	18-Sep-23	Black	Caulking	No	Client ID: 2308849-H-24B- Section H Black Door Caulking Non-Fibers	100

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Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-76	18-Sep-23	Black	Caulking	No	Client ID: 2308849-H-24C- Section H Black Door Caulking Non-Fibers	100
2338111-77	18-Sep-23	White	Stucco	Yes	Client ID: 2308849-C-25A- Section C Exterior Stucco Chrysotile Non-Fibers	1 99
2338111-78	18-Sep-23	White	Stucco		Client ID: 2308849-C-25B- Section C Exterior Stucco not analyzed, positive stop	
2338111-79	18-Sep-23	White	Stucco		Client ID: 2308849-C-25C- Section C Exterior Stucco not analyzed, positive stop	
2338111-80.1	18-Sep-23	Black/White	Stucco	No	Client ID: 2308849-C-26A- Section C Foundation Parge [AS-LR-NA] Non-Fibers	100
2338111-80.2	18-Sep-23	Grey	Parging	Yes	Client ID: 2308849-C-26A- Section C Foundation Parge Chrysotile Non-Fibers	1 99
2338111-81.1	18-Sep-23	Black/White	Stucco	No	Client ID: 2308849-C-26B- Section C Foundation Parge [AS-LR-NA] Non-Fibers	100
2338111-81.2	18-Sep-23	Grey	Parging		Client ID: 2308849-C-26B- Section C Foundation Parge not analyzed, positive stop	
2338111-82.1	18-Sep-23	Black/White	Stucco	No	Client ID: 2308849-C-26C- Section C Foundation Parge [AS-LR-NA] Non-Fibers	100
2338111-82.2	18-Sep-23	Grey	Parging		Client ID: 2308849-C-26C- Section C Foundation Parge not analyzed, positive stop	
2338111-83	18-Sep-23	White	Stucco	Yes	Client ID: 2308849-F-27A- Section F Exterior Stucco Chrysotile Non-Fibers	1 99

Certificate of Analysis
 Client: Englobe Corp. (Ottawa)
 Client PO: NRC-U66

Report Date: 25-Sep-2023
 Order Date: 19-Sep-2023
 Project Description: 02308849.000

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-84	18-Sep-23	White	Stucco		Client ID: 2308849-F-27B- Section F Exterior Stucco not analyzed, positive stop	
2338111-85	18-Sep-23	White	Stucco		Client ID: 2308849-F-27C- Section F Exterior Stucco not analyzed, positive stop	
2338111-86	18-Sep-23	Grey	Parging	Yes	Client ID: 2308849-F-28A- Section F Foundation Parge Chrysotile Non-Fibers	1 99
2338111-87	18-Sep-23	Grey	Parging		Client ID: 2308849-F-28B- Section F Foundation Parge not analyzed, positive stop	
2338111-88	18-Sep-23	Grey	Parging		Client ID: 2308849-F-28C- Section F Foundation Parge not analyzed, positive stop	
2338111-89.1	18-Sep-23	Grey	Caulking	Yes	Client ID: 2308849-F-29A- Section F Grey Duct Caulking Chrysotile Non-Fibers	2 98
2338111-89.2	18-Sep-23	White	Texture Coat	Yes	Client ID: 2308849-F-29A- Section F Grey Duct Caulking Chrysotile Non-Fibers	1 99
2338111-90.1	18-Sep-23	Grey	Caulking		Client ID: 2308849-F-29B- Section F Grey Duct Caulking not analyzed, positive stop	
2338111-90.2	18-Sep-23	White	Texture Coat		Client ID: 2308849-F-29B- Section F Grey Duct Caulking not analyzed, positive stop	
2338111-91.1	18-Sep-23	Grey	Caulking		Client ID: 2308849-F-29C- Section F Grey Duct Caulking not analyzed, positive stop	
2338111-91.2	18-Sep-23	White	Texture Coat		Client ID: 2308849-F-29C- Section F Grey Duct Caulking not analyzed, positive stop	

Certificate of Analysis
 Client: Englobe Corp. (Ottawa)
 Client PO: NRC-U66

Report Date: 25-Sep-2023
 Order Date: 19-Sep-2023
 Project Description: 02308849.000

Asbestos, PLM Visual Estimation **MDL - 0.5%**

Parcel ID	Sample Date	Colour	Description	Asbestos Detected	Material Identification	% Content
2338111-92	18-Sep-23	White	Stucco	Yes	Client ID: 2308849-G-30A- Section G Exterior Stucco Chrysotile Non-Fibers	2 98
2338111-93	18-Sep-23	White	Stucco		Client ID: 2308849-G-30B- Section G Exterior Stucco not analyzed, positive stop	
2338111-94	18-Sep-23	White	Stucco		Client ID: 2308849-G-30C- Section G Exterior Stucco not analyzed, positive stop	
2338111-95	18-Sep-23	Grey	Transite	Yes	Client ID: 2308849-31A Chrysotile Non-Fibers	20 80
2338111-96	18-Sep-23	Grey	Transite		Client ID: 2308849-31B not analyzed, positive stop	
2338111-97	18-Sep-23	Grey	Transite		Client ID: 2308849-31C not analyzed, positive stop	

* MMVF: Man Made Vitreous Fibers: Fiberglass, Mineral Wool, Rockwool, Glasswool

** Analytes in bold indicate asbestos mineral content.

Analysis Summary Table

Analysis	Method Reference/Description	Lab Location	Lab Accreditation	Analysis Date
Asbestos, PLM Visual Estimation	AppE to SubE of 40CFR Part763 and EPA/600/R-93/116	2 - Ottawa West	CALA 1262	22-Sep-23

Ottawa West Lab: 25 Northside Rd, Unit C Nepean, Ontario K2H 8S1

Certificate of Analysis
Client: **Englobe Corp. (Ottawa)**
Client PO: **NRC-U66**

Report Date: 25-Sep-2023
Order Date: 19-Sep-2023
Project Description: **02308849.000**

Qualifier Notes

Login Qualifiers :

LG-SMP026 Sample(s) received and not indicated on the COC. Proceed with analyses as directed by client
Applies to samples: 95, 96, 97

Sample Qualifiers :

AS-LR-NA: Layers/materials inseparable, combined and not analysed separately

AS-PRE: Due to the difficult nature of the bulk sample (interfering fibers/binders), additional NOB preparation was required prior to analysis

Work Order Revisions | Comments

None



Client Name: Englobe Corporation	Project Reference: NRC - U66	Turnaround Time: <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name: Angeline Snow	Quote #: 23-084	
Address: 101-2713 Lancaster Ottawa, ON K1B 5R6	PO #: 02308849.000	
	Email Address: angeline.snow@englobecorp.com	
Telephone: 877-300-4800	kyle.thompson@englobecorp.com	Date Required: _____

ASBESTOS & MOLD ANALYSIS

Matrix: Air Bulk Tape Lift Swab Other Regulatory Guideline: ON QC AB SK Other:

Analyses: Microscopic Mold Culturable Mold Bacteria GRAM PCM Asbestos PLM Asbestos Chatfield Asbestos TEM Asbestos

Parcel Order Number:		Asbestos - Bulk			
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	C-01A-C - Area C Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
2	C-02A-C - Area C Column Parging	Sept 18/23	PLM		<input checked="" type="checkbox"/>
3	D-03A-C - Area D EIFS Cladding	Sept 18/23	PLM		<input checked="" type="checkbox"/>
4	D-04A-C - Area D Foundation Parge	Sept 18/23	PLM		<input checked="" type="checkbox"/>
5	D-05A-C - Area D Black Tar Behind EIFS Cladding	Sept 18/23	PLM		<input checked="" type="checkbox"/>
6	D-06A-C - Area D Black Caulking	Sept 18/23	PLM		<input checked="" type="checkbox"/>
7	E2-07A-C - Area E2 EIFS Cladding (white & brown)	Sept 18/23	PLM		<input checked="" type="checkbox"/>
8	E2-08A-C - Area E2 EIFS Cladding (white & grey)	Sept 18/23	PLM		<input checked="" type="checkbox"/>
9	G-09A-C - Area G Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
10	G-10A-C - Area G Beige Wall Caulking	Sept 18/23	PLM		<input checked="" type="checkbox"/>
11	E1-11A-C - Area E1 Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
12	E1-12A-C - Area E1 Grey Foundation Parge	Sept 18/23	PLM		<input checked="" type="checkbox"/>

* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: Please add 2308849 to beginning of all sample numbers

Method of Delivery: *Walkin*

Relinquished By (Sign): <i>Angeline Snow</i>	Received at Depot: <i>RB 930</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): Angeline Snow	Date/Time: <i>Sept 19/23</i>	Date/Time: <i>09/19/23 1:00pm</i>	Date/Time: <i>09/23 1:14</i>



Client Name: See Page 1	Project Reference: See Page 1	Turnaround Time: <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Regular
Contact Name:	Quote #:	
Address:	PO #:	
Telephone:	Email Address:	
Date Required: _____		

ASBESTOS & MOLD ANALYSIS

Matrix: Air Bulk Tape Lift Swab Other Regulatory Guideline: ON QC AB SK Other:

Analyses: Microscopic Mold Culturable Mold Bacteria GRAM PCM Asbestos PLM Asbestos Chatfield Asbestos TEM Asbestos

Parcel Order Number:		Asbestos - Bulk			
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	E1-13A-C - Area E1 Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
2	E1-14A-C - Area E1 Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
3	B-15A-G - Section B Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
4	B-16A-C - Section B Grey Parge Patch	Sept 18/23	PLM		<input checked="" type="checkbox"/>
5	B-17A-C - Section B Grey Parge Patch	Sept 18/23	PLM		<input checked="" type="checkbox"/>
6	G-18A-C - Section G Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
7	G-19A-C - Section G Wood Door Caulking	Sept 18/23	PLM		<input checked="" type="checkbox"/>
8	G-20A-C - Section G Concrete Block Mortar	Sept 18/23	PLM		<input checked="" type="checkbox"/>
9	H-21A-C - Section H Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
10	H-22A-C - Section H Wall Parge/Plaster	Sept 18/23	PLM		<input checked="" type="checkbox"/>
11	H-23A-C - Section H Beige Door Caulking	Sept 18/23	PLM		<input checked="" type="checkbox"/>
12	H-24A-C - Section H Black Door Caulking	Sept 18/23	PLM		<input checked="" type="checkbox"/>

* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: Please add 2308849 to beginning of all sample numbers

Method of Delivery: *Walk*

Relinquished By (Sign): <i>Angelina Snow</i>	Received at Depot: <i>RB 9:30</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): Angelina Snow	Date/Time: <i>Sept 19/23</i>	Date/Time: <i>09/19/23 1:00p</i>	Date/Time: <i>09/19/23 1:15p</i>



Client Name: See Page 1	Project Reference: See Page 1	Turnaround Time: <input type="checkbox"/> Immediate <input type="checkbox"/> 1 Day <input type="checkbox"/> 4 Hour <input type="checkbox"/> 2 Day <input type="checkbox"/> 8 Hour <input type="checkbox"/> 3 Day <input type="checkbox"/> Regular
Contact Name:	Quote #:	
Address:	PO #:	
Telephone:	Email Address:	
		Date Required: _____

ASBESTOS & MOLD ANALYSIS

Matrix: Air Bulk Tape Lift Swab Other Regulatory Guideline: ON QC AB SK Other:

Analyses: Microscopic Mold Culturable Mold Bacteria GRAM PCM Asbestos PLM Asbestos Chatfield Asbestos TEM Asbestos

Parcel Order Number:		Asbestos - Bulk			
Sample ID	Sampling Date	Air Volume (L)	Analysis Required	Identify Distinct Building Materials to Be Analyzed (if not specified, all materials identified will be analyzed) *	Positive Stop?
1	C-25A-C - Section C Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
2	C-26A-C - Section C Foundation Parge	Sept 18/23	PLM		<input checked="" type="checkbox"/>
3	F-27A-C - Section F Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
4	F-28A-C - Section F Foundation Parge	Sept 18/23	PLM		<input checked="" type="checkbox"/>
5	F-29A-C - Section F Grey Duct Caulking	Sept 18/23	PLM		<input checked="" type="checkbox"/>
6	G-30A-C - Section G Exterior Stucco	Sept 18/23	PLM		<input checked="" type="checkbox"/>
7					<input type="checkbox"/>
8					<input type="checkbox"/>
9					<input type="checkbox"/>
10					<input type="checkbox"/>
11					<input type="checkbox"/>
12					<input type="checkbox"/>

* If left blank, all distinct materials identified in the samples will be analyzed and reported separately as per EPA 600/R-93/116. Additional charges will apply.

Comments: Please add 2308849 to beginning of all sample numbers

Method of Delivery: *Watch*

Relinquished By (Sign): <i>Angeline Snow</i>	Received at Depot: <i>AS 9:30</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): Angeline Snow	Date/Time: <i>Sept 19/23</i>	Date/Time: <i>09/19/23 1:00pm</i>	Date/Time: <i>09/19/23 1:14pm</i>

Certificate of Analysis

Englobe Corp. (Ottawa)

2713 Lancaster Road, Unit 101
Ottawa, ON K1B 5R6
Attn: Angeline Snow

Client PO: NRC-U66
Project: 02308849
Custody:

Report Date: 25-Sep-2023
Order Date: 19-Sep-2023

Order #: 2338171

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Parcel ID	Client ID
2338171-01	C-LP01 - Area C White Stucco Paint
2338171-02	C-LP02 - Area C Green Paint
2338171-03	D-LP01 - Area D Green Door Paint
2338171-04	D-LP02 - Area D Black Stair Paint
2338171-05	E2-LP01 - Area E2 Green Door Paint
2338171-06	G-LP01 - Area G White Stucco Paint
2338171-07	E1-LP01 - Area E1 Black Foundation Paint
2338171-08	E1-LP02 - Area E1 Green Door Paint
2338171-09	E1-LP03 - Area E1 White Stucco Paint
2338171-10	B-LP01 - Area B Green Door Paint (Door 8)
2338171-11	B-LP02 - Area B White Stucco Paint
2338171-12	B-LP03 - Area B Black Foundation Paint
2338171-13	B-LP04 - Area B Green Door Paint (Door 7)
2338171-14	G-LP02 - Area G White Stucco Paint
2338171-15	H-LP01 - Area H White Stucco Paint
2338171-16	H-LP02 - Black Foundation Paint
2338171-17	C-LP03 - White Stucco Paint
2338171-18	C-LP04 - Black Foundation Paint
2338171-19	F-LP01 - White Stucco Paint
2338171-20	F-LP02 - Black Foundation Paint
2338171-21	F-LP03 - Area F Green Door Paint
2338171-22	G-LP03 - Area G Black Foundation Paint

Approved By:



Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liability in connection with this work, however arising shall be limited to the amount paid by you for this work, and that our employees or agents shall not under circumstances be liable to you in connection with this work

Certificate of Analysis
Client: Englobe Corp. (Ottawa)
Client PO: NRC-U66

Report Date: 25-Sep-2023
Order Date: 19-Sep-2023
Project Description: 02308849

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-MS	EPA 6020 - Digestion - ICP-MS	22-Sep-23	25-Sep-23

Qualifier Notes:

Login Qualifiers :

Sample(s) received and not indicated on the COC. Proceed with analyses as directed by client
Applies to samples: G-LP03 - Area G Black Foundation Paint

Sample Qualifiers :

1 : Complete separation of paint from substrate not possible for this sample and a small amount of substrate has been included in the paint digestion.

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Certificate of Analysis
 Client: Englobe Corp. (Ottawa)
 Client PO: NRC-U66

Report Date: 25-Sep-2023
 Order Date: 19-Sep-2023
 Project Description: 02308849

Sample Results

Lead					Matrix: Paint	
Parcel ID	Client ID	Sample Date	Units	MDL	Result	
2338171-01	C-LP01 - Area C White Stucco Paint	18-Sep-23	ug/g	5	87 [1]	
2338171-02	C-LP02 - Area C Green Paint	18-Sep-23	ug/g	5	55700	
2338171-03	D-LP01 - Area D Green Door Paint	18-Sep-23	ug/g	5	25	
2338171-04	D-LP02 - Area D Black Stair Paint	18-Sep-23	ug/g	5	580	
2338171-05	E2-LP01 - Area E2 Green Door Paint	18-Sep-23	ug/g	5	27400	
2338171-06	G-LP01 - Area G White Stucco Paint	18-Sep-23	ug/g	5	12 [1]	
2338171-07	E1-LP01 - Area E1 Black Foundation Paint	18-Sep-23	ug/g	5	1420 [1]	
2338171-08	E1-LP02 - Area E1 Green Door Paint	18-Sep-23	ug/g	5	44500	
2338171-09	E1-LP03 - Area E1 White Stucco Paint	18-Sep-23	ug/g	5	22 [1]	
2338171-10	B-LP01 - Area B Green Door Paint (Door 8)	18-Sep-23	ug/g	5	37100	
2338171-11	B-LP02 - Area B White Stucco Paint	18-Sep-23	ug/g	5	11 [1]	
2338171-12	B-LP03 - Area B Black Foundation Paint	18-Sep-23	ug/g	5	2080 [1]	
2338171-13	B-LP04 - Area B Green Door Paint (Door 7)	18-Sep-23	ug/g	5	90	
2338171-14	G-LP02 - Area G White Stucco Paint	18-Sep-23	ug/g	5	13 [1]	
2338171-15	H-LP01 - Area H White Stucco Paint	18-Sep-23	ug/g	5	16 [1]	
2338171-16	H-LP02 - Black Foundation Paint	18-Sep-23	ug/g	5	64 [1]	
2338171-17	C-LP03 -White Stucco Paint	18-Sep-23	ug/g	5	10 [1]	
2338171-18	C-LP04- Black Foundation Paint	18-Sep-23	ug/g	5	517 [1]	
2338171-19	F-LP01- White Stucco Paint	18-Sep-23	ug/g	5	16 [1]	
2338171-20	F-LP02 - Black Foundation Paint	18-Sep-23	ug/g	5	2050 [1]	
2338171-21	F-LP03 - Area F Green Door Paint	18-Sep-23	ug/g	5	28500	
2338171-22	G-LP03 - Area G Black Foundation Paint	18-Sep-23	ug/g	5	1440 [1]	

Laboratory Internal QA/QC

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Matrix Blank									
Lead	ND	5	ug/g						
Matrix Duplicate									
Lead	79.9	5	ug/g	87.2			8.75	50	
Matrix Spike									
Lead	52.5	5.00	ug/g	ND	97.9	70-130			



Parcel Order Number (Lab Use Only) 2338171	Chain Of Custody (Lab Use Only)
-------------------------------------------------------------	-------------------------------------------

Client Name: Englobe Corp. Contact Name: Angeline Snow Address: 101-2713 Lancaster Ottawa, ON K1B 5R6 Telephone: 877-300-4800	Project Ref: NRC - U66 Quote #: PO #: 02308849.000 E-mail: angeline.snow@englobecorp.com kyle.thompson@englobecorp.com	Page <u>1</u> of <u>3</u> Turnaround Time <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular Date Required: _____
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<input type="checkbox"/> REG 153/04 <input type="checkbox"/> REG 406/19 Other Regulation		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis																
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Table _____ For RSC: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm Mun: _____ <input type="checkbox"/> Other: _____	Matrix Air Volume # of Containers	Sample Taken Date Time		LEAD															
Sample ID/Location Name																				
1	C-LP01 - Area C White Stucco Paint	P	-	1	September 18	8:30-2:30	✓													
2	C-LP02 - Area C Green Paint	P	-	1	September 18	8:30-2:30	✓													
3	D-LP01 - Area D Green Door Paint	P	-	1	September 18	8:30-2:30	✓													
4	D-LP02 - Area D Black Stair Paint	P	-	1	September 18	8:30-2:30	✓													
5	E2-LP01 - Area E2 Green Door Paint	P	-	1	September 18	8:30-2:30	✓													
6	G-LP01 - Area G White Stucco Paint	P	-	1	September 18	8:30-2:30	✓													
7	E1-LP01 - Area E1 Black Foundation Paint	P	-	1	September 18	8:30-2:30	✓													
8	E1-LP02 - Area E1 Green Door Paint	P	-	1	September 18	8:30-2:30	✓													
9	E1-LP03 - Area E1 White Stucco Paint	P	-	1	September 18	8:30-2:30	✓													
10	B-LP01 - Area B Green Door Paint (Door 8)	P	-	1	September 18	8:30-2:30	✓													

Comments: _____ Method of Delivery: *Walk In*

Relinquished By (Sign): <i>Angeline Snow</i>	Received By Driver/Depot: _____	Received at Lab: <i>909</i>	Verified By: <i>Hiral</i>
Relinquished By (Print): Angeline Snow	Date/Time: _____	Date/Time: <i>Sept 19/23</i>	Date/Time: <i>Sept 19, 23 / 15:39</i>
Date/Time: September 19, 2023	Temperature: _____ °C	Temperature: _____	pH Verified: <input type="checkbox"/> By: _____



Client Name: See Page 1	Project Ref: See Page 1	Page <u>2</u> of <u>3</u>
Contact Name:	Quote #:	Turnaround Time <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular Date Required: _____
Address:	PO #:	
Telephone:	E-mail:	

<input type="checkbox"/> REG 153/04 <input type="checkbox"/> REG 406/19		Other Regulation <input type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm Mun: _____ <input type="checkbox"/> Other: _____		Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)		Required Analysis													
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Table _____ For RSC: <input type="checkbox"/> Yes <input type="checkbox"/> No		Matrix	Air Volume	# of Containers	Sample Taken		LEAD												
Sample ID/Location Name					Date	Time													
1	B-LP02 - Area B White Stucco Paint	P	-	1	September 18	8:30-2:30	✓												
2	B-LP03 - Area B Black Foundation Paint	P	-	1	September 18	8:30-2:30	✓												
3	B-LP04 - Area B Green Door Paint (Door 7)	P	-	1	September 18	8:30-2:30	✓												
4	G-LP02 - Area G White Stucco Paint	P	-	1	September 18	8:30-2:30	✓												
5	H-LP01 - Area H White Stucco Paint	P	-	1	September 18	8:30-2:30	✓												
6	H-LP02 - Black Foundation Paint	P	-	1	September 18	8:30-2:30	✓												
7	C-LP03 - White Stucco Paint	P	-	1	September 18	8:30-2:30	✓												
8	C-LP04 - Black Foundation Paint	P	-	1	September 18	8:30-2:30	✓												
9	F-LP01 - White Stucco Paint	P	-	1	September 18	8:30-2:30	✓												
10	F-LP02 - Black Foundation Paint	P	-	1	September 18	8:30-2:30	✓												

Comments:			Method of Delivery: <i>walk in</i>		
Relinquished By (Sign): <i>Angeline Snow</i>	Received By Driver/Depot:	Received at Lab: <i>CB 929</i>	Verified By: <i>Hisa</i>		
Relinquished By (Print): Angeline Snow	Date/Time:	Date/Time: <i>Sept 19/23</i>	Date/Time: <i>Sept 19, 23 15:39</i>		
Date/Time: September 19, 2023	Temperature: _____ °C	Temperature: _____ °C	pH Verified: <input type="checkbox"/> By: _____		



Parcel ID: 2338171



Parcel Order Number (Lab Use Only) 2338171	Chain Of Custody (Lab Use Only)
---------------------------------------------------------	-------------------------------------------

Client Name: See Page 1	Project Ref: See Page 1	Page <u>3</u> of <u>3</u>
Contact Name:	Quote #:	Turnaround Time <input type="checkbox"/> 1 day <input type="checkbox"/> 3 day <input type="checkbox"/> 2 day <input checked="" type="checkbox"/> Regular Date Required: _____
Address:	PO #:	
Telephone:	E-mail:	

<input type="checkbox"/> REG 153/04 <input type="checkbox"/> REG 406/19 <input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/Other <input type="checkbox"/> Table _____ For RSC: <input type="checkbox"/> Yes <input type="checkbox"/> No	Other Regulation <input type="checkbox"/> REG 558 <input type="checkbox"/> PWQO <input type="checkbox"/> CCME <input type="checkbox"/> MISA <input type="checkbox"/> SU - Sani <input type="checkbox"/> SU - Storm Mun: _____ <input type="checkbox"/> Other: _____	Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)	Required Analysis																	
Sample ID/Location Name			Matrix	Air Volume	# of Containers	Sample Taken		LEAD												
						Date	Time													
1	F-LP03 - Area F Green Door Paint		P	-	1	September 18	8:30-2:30	✓												
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

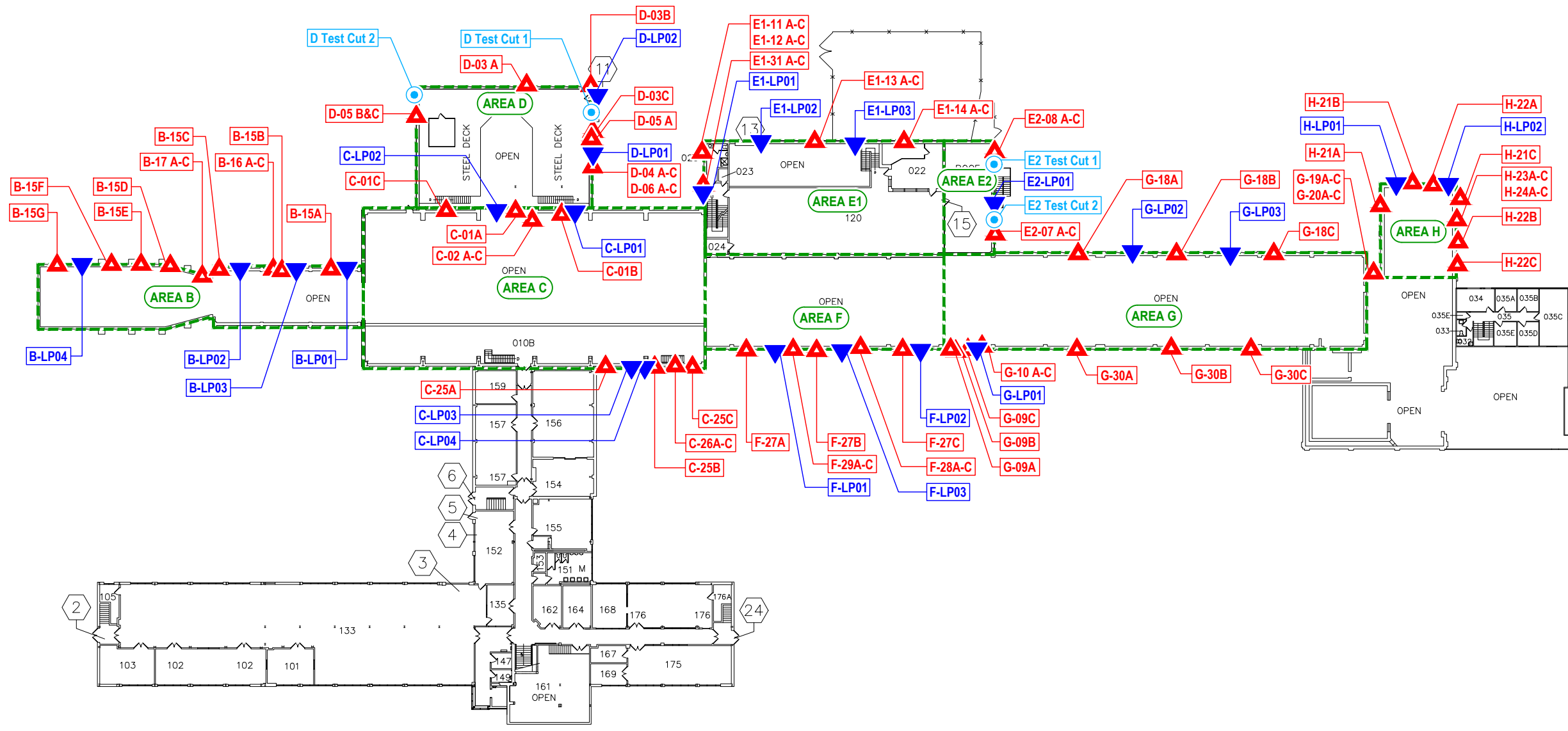
Comments:			Method of Delivery: <i>Walk In</i>		
Relinquished By (Sign): <i>Angeline Snow</i>	Received By Driver/Depot:	Received at Lab: <i>CB 929</i>	Verified By: <i>Hisa</i>		
Relinquished By (Print): Angeline Snow	Date/Time:	Date/Time: <i>Sept 19/23</i>	Date/Time: <i>Sept 19, 23 / 15:39</i>		
Date/Time: September 19, 2023	Temperature: _____ °C	Temperature: _____ °C	pH Verified: <input type="checkbox"/> By: _____		

Appendix C

Drawing with Sample Locations



Drawing: 02308849.000 NRC U66.dwg Folder: Y:\Shared\CA\Itawalde\partment\TSCAD\Projects\vantage point\02308849.000 nrc u66\DWGs Monday, October 02, 2023 @ 09:14 by Marjo Monreal



Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Do not scale drawing.
3. Base plan provided by client.

Legend

- ▲ Approximate bulk asbestos sample location
- ▼ Approximate bulk lead sample location
- Test Cut
- ⓑ Area Identifier

0	2023/10/02	Final	A.S.
Revision	Date	Issue	Approval

Client: **NRC**

Site: **U-66 Exterior**

Report Title: **U-66 Exterior Envelope DSS**

Drawing Title: **Sample Location Plan**

Designed By	A.S.	Scale	Not to Scale
Drawn By	M.M.	Date	October 2023
Approved By	A.S.	Project No.	02308849.000

Figure No. **1**

Appendix D

Statement of Limitations



Statement of Limitations

This report (hereinafter, the “Report”) was prepared by Englobe Corporation (hereinafter the “Company”) and is provided for the sole and exclusive use and benefit of National Research Council Canada (“Client”). Ownership in and copyright for the contents of the Report belong to the Company.

No other person is authorized to rely on, use, copy, duplicate, reproduce or disseminate this Report, in whole or in part and for any reason whatsoever, without the express prior written consent of the Company. Any person using this Report, other than the person(s) to whom it is directly addressed, does so entirely at its own risk. The Company assumes no responsibility or liability in connection with decisions made or actions taken based on the Report, or the observations and/or comments contained within the Report. Others with interest in the site and/or subject matter of this Report should undertake their own investigations and studies to determine how or if they or their plans could be affected.

This Report should be considered in its entirety; selecting specific portions of the Report may result in the misinterpretation of the content.

The work performed by the Company was carried out in accordance with the terms and conditions specified in the Professional Services Agreement between the Company and the Client, in accordance with currently accepted engineering standards and practices and in a manner consistent with the level of skill, care and competence ordinarily exercised by members of the same profession currently practicing under similar conditions and like circumstances in the same jurisdiction in which the services were provided. Standards, guidelines, and practices may change over time; those which were applied to produce this Report may be obsolete or unacceptable later.

The findings, recommendations, suggestions, or opinions expressed in this Report reflect the Company’s best professional judgment based on observations and/or information reasonably available at the time the work was performed, as appropriate for the scope, work schedule and budgetary constraints established by the Client. No other warranty or representation, expressed or implied, is included in this Report including, but not limited to, that the Report deals with all issues potentially applicable to the site and/or that the Report deals with any and all of the important features of the site, except as expressly provided in the scope of work.

This Report has been prepared for the specific site, development, building, design or building assessment objectives and/or purposes that were described to the Company by the Client. The applicability and reliability of the content of this Report, subject to the limitations provided herein, are only valid to the extent that there has been no material alteration or variation thereto, and the Company expressly disclaims any obligation to update the Report. However, the Company reserves the right to amend or supplement this Report based on additional information, documentation or evidence made available to it.

The Company makes no representation concerning the legal significance of its findings, nor as to the present or future value of the property, or its fitness for a particular purpose and hereby disclaims any responsibility or liability for consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

Since the passage of time, natural occurrences, and direct or indirect human intervention may affect the views, conclusions, and recommendations (if any) provided in this Report, it is intended for immediate use.

This Statement of Limitations forms an integral part of the Report.

In preparing this Report, the Company has relied in good faith on information provided by others and has assumed that such information is factual, accurate and complete. The Company accepts no responsibility or liability for any deficiency, misstatement or inaccuracy in this Report resulting from the information provided, concealed, or not fully disclosed by those individuals.

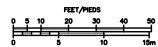
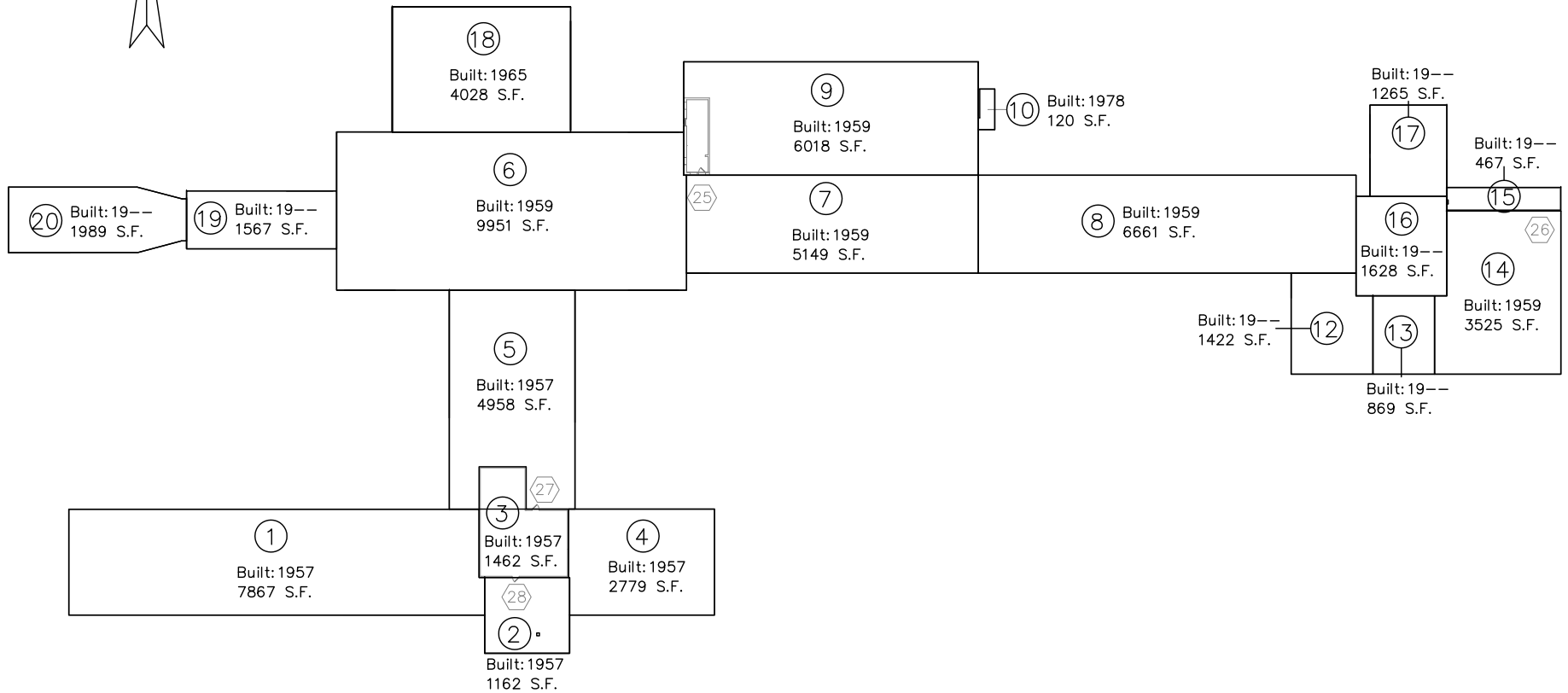
The assessment should not be considered a comprehensive audit that covers and eliminates all present, past, and future risks. The information presented in this Report is based on data collected during the completion of the site assessment conducted. The overall site/building conditions were extrapolated based on information collected at specific sampling locations. Professional judgement was exercised in gathering and analyzing data; however, no sampling methodology can completely eliminate the possibility of obtaining partially imprecise or incomplete information; it can only reduce the possibility to an acceptable level. Consequently, the actual site/building conditions between the sampling points may vary. In addition, analysis has been carried out only for the parameters identified, and it should not be inferred that other hazardous materials are not present.

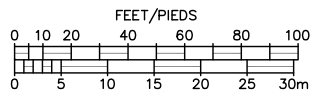
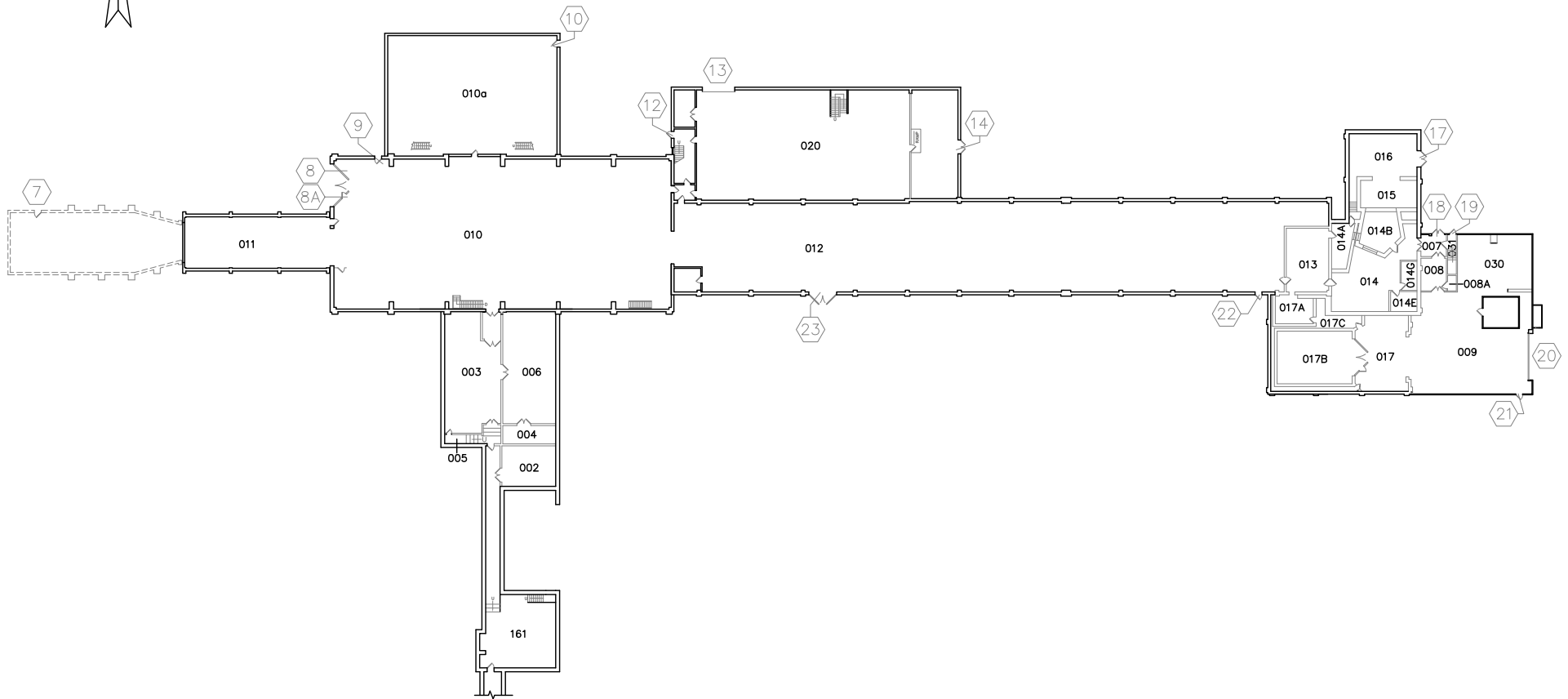
It is recommended practice that the Company be retained during subsequent phases of the project, to confirm that the conditions throughout the site do not deviate materially from those encountered throughout the sampling program.

Any results from a third-party laboratory or other subcontractors reported herein have been carried out by others, and the Company cannot warrant their accuracy.

This Report is based on the assumption that the design features relevant to our work will be in accordance with applicable codes, standards, and guidelines of practice and constructed substantially in accordance with the Report. If there are any changes to the site development or building construction features, or there is any additional information that was not otherwise available at the time the work was performed, the Company should be retained to review the implications thereof to the contents of this Report. The design recommendations expressed in this Report are applicable only to the project described therein.

No attempt was made to dismantle, inspect, or test existing equipment other than that which is specifically noted in the report.





BASEMENT/SOUS-SOL



National Research
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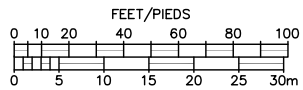
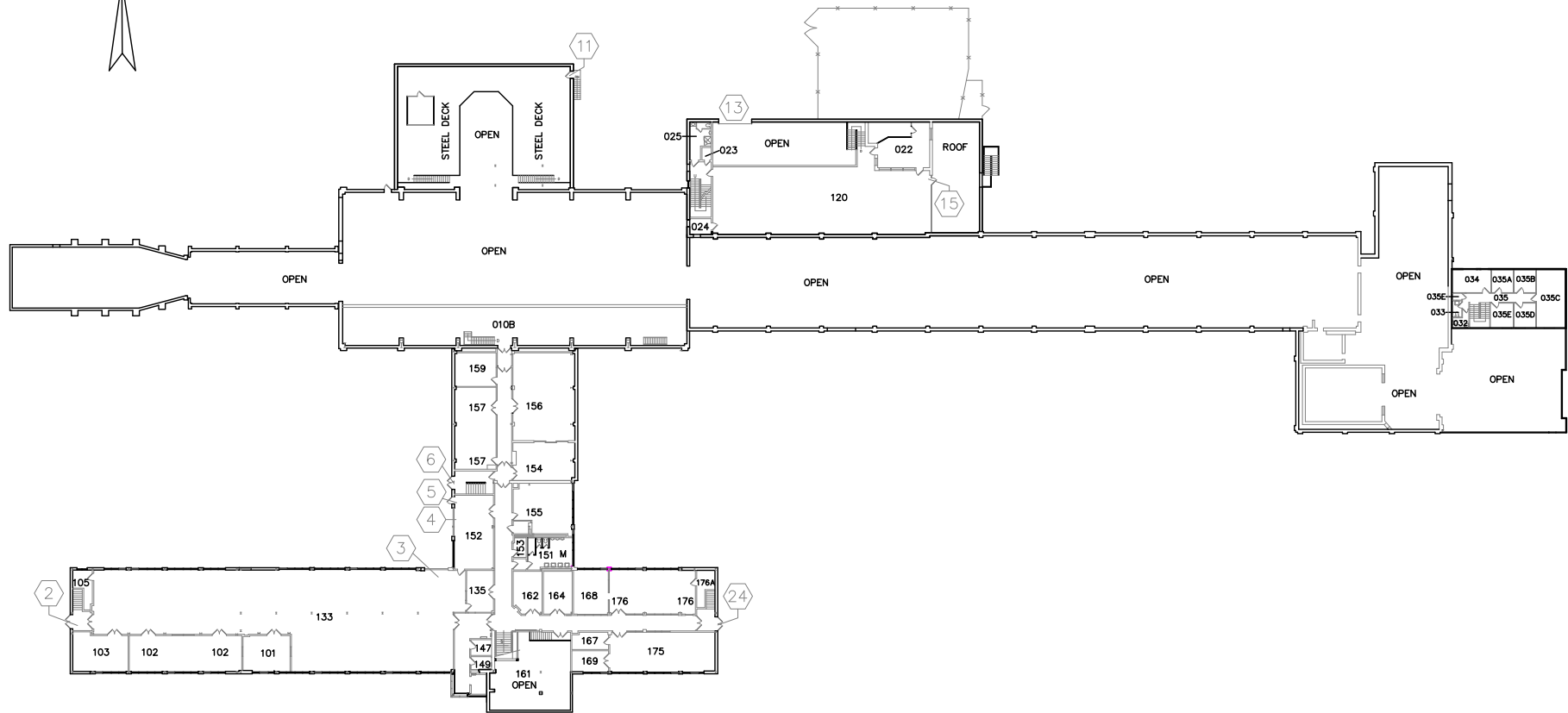
Administrative Services & Property
Management Branch (ASPM)

Direction des services administratifs
et gestion de l'immobilier (SAGI)

DATE
06/2014

UPL66

DRAWING NO.
kUPL66-B



FIRST FLOOR/PREMIER ÉTAGE



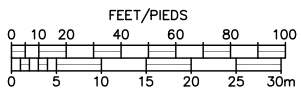
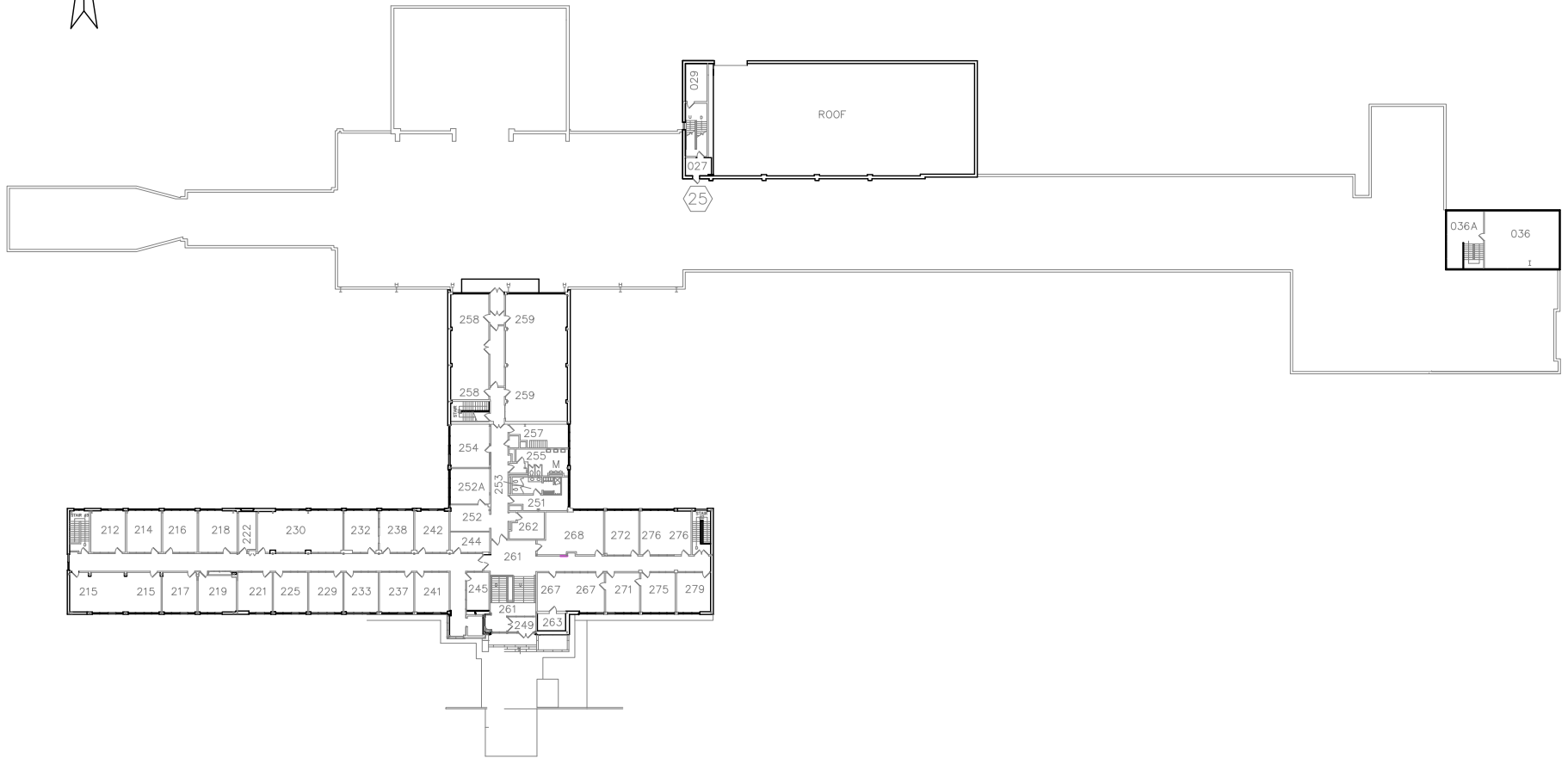
National Research Council Canada
Conseil national de recherches Canada

Administrative Services & Property Management Branch (ASPM)
Direction des services administratifs et gestion de l'immobilier (SAGI)

DATE
06/2014

UPL66

DRAWING NO.
kUPL66-1



SECOND FLOOR/DEUXIÈME ÉTAGE



National Research
Council Canada

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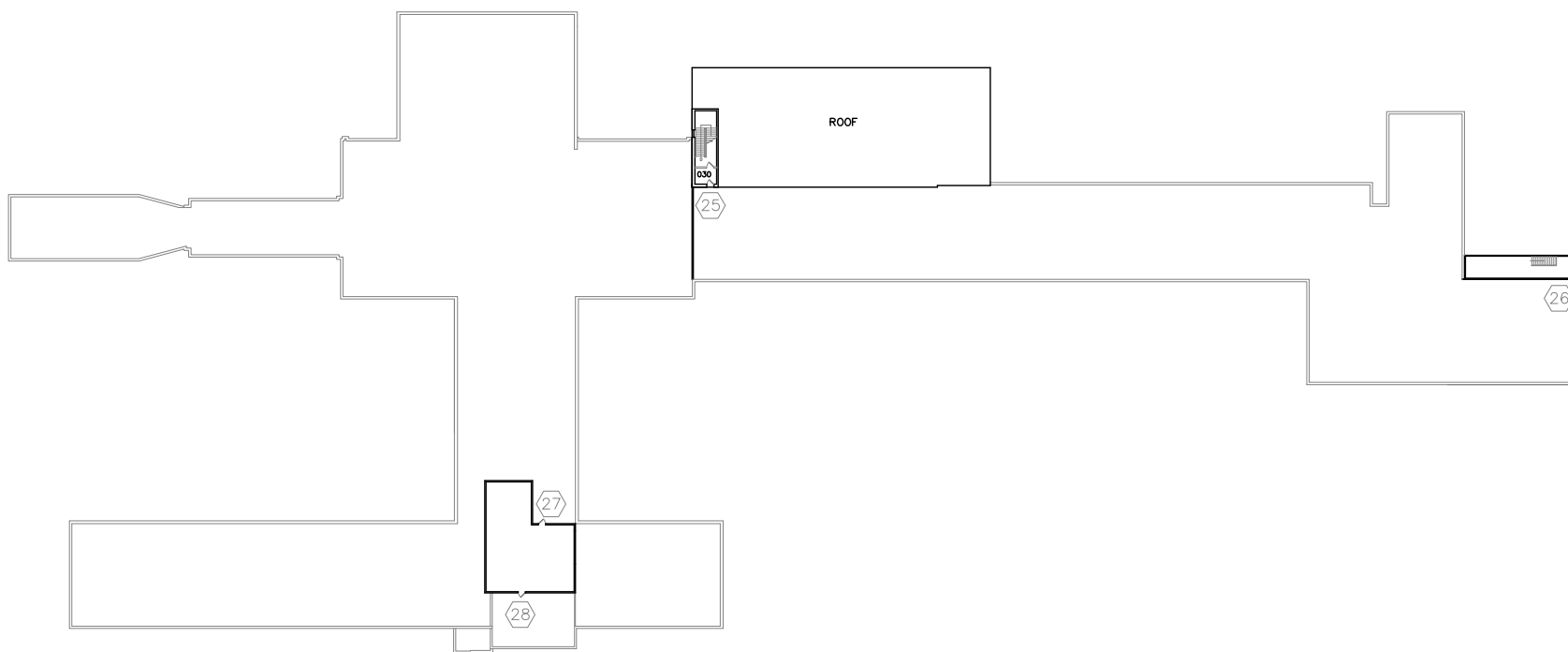
Administrative Services & Property
Management Branch (ASPM)

Direction des services administratifs
et gestion de l'immobilier (SAGI)

DATE
06/2014

UPL66

DRAWING NO.
kUPL66-2



National Research
Council Canada

Conseil national
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Administrative Services & Property
Management Branch (ASPM)

Direction des services administratifs
et gestion de l'immobilier (SAGI)

DATE
06/2014

UPL66

PENTHOUSE/APPENTIS

DRAWING NO.
kUPL66-P



ANNEX "B"

SECURITY REQUIREMENTS CHECK LIST



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

**SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)**

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine	2. Branch or Directorate / Direction générale ou Direction
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant

4. Brief Description of Work / Brève description du travail

5. a) Will the supplier require access to Controlled Goods? / Le fournisseur aura-t-il accès à des marchandises contrôlées? No / Non Yes / Oui

5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? / Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? No / Non Yes / Oui

6. Indicate the type of access required / Indiquer le type d'accès requis

6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? / Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. / Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. No / Non Yes / Oui

6. c) Is this a commercial courier or delivery requirement with **no** overnight storage? / S'agit-il d'un contrat de messagerie ou de livraison commerciale **sans** entreposage de nuit? No / Non Yes / Oui

7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès

Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
---------------------------------	--------------------------------------	---------------------------------------------

7. b) Release restrictions / Restrictions relatives à la diffusion

No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable / À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:

7. c) Level of information / Niveau d'information

PROTECTED A / PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET / SECRET <input type="checkbox"/>	COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET / SECRET <input type="checkbox"/>
TOP SECRET / TRÈS SECRET <input type="checkbox"/>		TOP SECRET / TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>

Security Classification / Classification de sécurité



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets? No Yes
 Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? Non Oui
 If Yes, indicate the level of sensitivity:
 Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets? No Yes
 Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? Non Oui

 Short Title(s) of material / Titre(s) abrégé(s) du matériel :
 Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

<input type="checkbox"/> RELIABILITY STATUS COTE DE FIABILITÉ	<input type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input type="checkbox"/> SECRET SECRET	<input type="checkbox"/> TOP SECRET TRÈS SECRET
<input type="checkbox"/> TOP SECRET- SIGINT TRÈS SECRET - SIGINT	<input type="checkbox"/> NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/> NATO SECRET NATO SECRET	<input type="checkbox"/> COSMIC TOP SECRET COSMIC TRÈS SECRET
<input type="checkbox"/> SITE ACCESS ACCÈS AUX EMBLEMES			

Special comments:
 Commentaires spéciaux : _____

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
 REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work? No Yes
 Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? Non Oui
 If Yes, will unscreened personnel be escorted?
 Dans l'affirmative, le personnel en question sera-t-il escorté? No Yes
 Non Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises? No Yes
 Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets? No Yes
 Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? Non Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises? No Yes
 Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? Non Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data? No Yes
 Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency? No Yes
 Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? Non Oui



PART C - (continued) / PARTIE C - (suite)

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED / NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL / NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET / COSMIC TRÈS SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET
											A	B	C			
Information / Assets / Renseignements / Biens / Production																
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED? No Yes
 La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? Non Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED? No Yes
 La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? Non Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme			
Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
14. Organization Security Authority / Responsable de la sécurité de l'organisme			
Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached? Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?			<input type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
16. Procurement Officer / Agent d'approvisionnement			
Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
17. Contracting Security Authority / Autorité contractante en matière de sécurité			
Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

Security Classification / Classification de sécurité

Instructions for completion of a Security Requirements Check List (SRCL)

The instruction sheet should remain attached until Block #17 has been completed.

GENERAL - PROCESSING THIS FORM

The project authority shall arrange to complete this form.

The organization security officer shall review and approve the security requirements identified in the form, in cooperation with the project authority.

The contracting security authority is the organization responsible for ensuring that the suppliers are compliant with the security requirements identified in the SRCL.

All requisitions and subsequent tender / contractual documents including subcontracts that contain PROTECTED and/or CLASSIFIED requirements must be accompanied by a completed SRCL.

It is important to identify the level of PROTECTED information or assets as Level "A," "B" or "C," when applicable; however, certain types of information may only be identified as "PROTECTED". No information pertaining to a PROTECTED and/or CLASSIFIED government contract may be released by suppliers, without prior written approval of the individual identified in Block 17 of this form.

The classification assigned to a particular stage in the contractual process does not mean that everything applicable to that stage is to be given the same classification. Every item shall be PROTECTED and/or CLASSIFIED according to its own content. If a supplier is in doubt as to the actual level to be assigned, they should consult with the individual identified in Block 17 of this form.

PART A - CONTRACT INFORMATION

Contract Number (top of the form)

This number must be the same as that found on the requisition and should be the one used when issuing an RFP or contract. This is a unique number (i.e. no two requirements will have the same number). A new SRCL must be used for each new requirement or requisition (e.g. new contract number, new SRCL, new signatures).

1. Originating Government Department or Organization

Enter the department or client organization name or the prime contractor name for which the work is being performed.

2. Directorate / Branch

This block is used to further identify the area within the department or organization for which the work will be conducted.

3. a) Subcontract Number

If applicable, this number corresponds to the number generated by the Prime Contractor to manage the work with its subcontractor.

b) Name and Address of Subcontractor

Indicate the full name and address of the Subcontractor if applicable.

4. Brief Description of Work

Provide a brief explanation of the nature of the requirement or work to be performed.

5. a) Will the supplier require access to Controlled Goods?

*The Defence Production Act (DPA) defines "Controlled Goods" as certain goods listed in the Export Control List, a regulation made pursuant to the *Export and Import Permits Act* (EIPA). Suppliers who examine, possess, or transfer Controlled Goods within Canada must register in the Controlled Goods Directorate or be exempt from registration. More information may be found at www.cgd.gc.ca.*

b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations?

The prime contractor and any subcontractors must be certified under the U.S./Canada Joint Certification Program if the work involves access to unclassified military data subject to the provisions of the Technical Data Control Regulations. More information may be found at www.dlis.dla.mil/jcp.

6. Indicate the type of access required

Identify the nature of the work to be performed for this requirement. The user is to select one of the following types:

a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets?

The supplier would select this option if they require access to PROTECTED and/or CLASSIFIED information or assets to perform the duties of the requirement.

b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted.

The supplier would select this option if they require regular access to government premises or a secure work site only. The supplier will not have access to PROTECTED and/or CLASSIFIED information or assets under this option.

c) Is this a commercial courier or delivery requirement with no overnight storage?

The supplier would select this option if there is a commercial courier or delivery requirement. The supplier will not be allowed to keep a package overnight. The package must be returned if it cannot be delivered.

7. Type of information / Release restrictions / Level of information

Identify the type(s) of information that the supplier may require access to, list any possible release restrictions, and if applicable, provide the level(s) of the information. The user can make multiple selections based on the nature of the work to be performed.

Departments must process SRCLs through PWGSC where:

- contracts that afford access to PROTECTED and/or CLASSIFIED foreign government information and assets;
- contracts that afford foreign contractors access to PROTECTED and/or CLASSIFIED Canadian government information and assets; or
- contracts that afford foreign or Canadian contractors access to PROTECTED and/or CLASSIFIED information and assets as defined in the documents entitled Identifying INFOSEC and INFOSEC Release.

a) Indicate the type of information that the supplier will be required to access

Canadian government information and/or assets

If Canadian information and/or assets are identified, the supplier will have access to PROTECTED and/or CLASSIFIED information and/or assets that are owned by the Canadian government.

NATO information and/or assets

If NATO information and/or assets are identified, this indicates that as part of this requirement, the supplier will have access to PROTECTED and/or CLASSIFIED information and/or assets that are owned by NATO governments. NATO information and/or assets are developed and/or owned by NATO countries and are not to be divulged to any country that is not a NATO member nation. Persons dealing with NATO information and/or assets must hold a NATO security clearance and have the required need-to-know.

Requirements involving CLASSIFIED NATO information must be awarded by PWGSC. PWGSC / CIISD is the Designated Security Authority for industrial security matters in Canada.

Foreign government information and/or assets

If foreign information and/or assets are identified, this requirement will allow access to information and/or assets owned by a country other than Canada.

b) Release restrictions

If **Not Releasable** is selected, this indicates that the information and/or assets are for **Canadian Eyes Only (CEO)**. Only Canadian suppliers based in Canada can bid on this type of requirement. NOTE: If Canadian information and/or assets coexists with CEO information and/or assets, the CEO information and/or assets must be stamped **Canadian Eyes Only (CEO)**.

If **No Release Restrictions** is selected, this indicates that access to the information and/or assets are not subject to any restrictions.

If **ALL NATO countries** is selected, bidders for this requirement must be from NATO member countries only.

NOTE: There may be multiple release restrictions associated with a requirement depending on the nature of the work to be performed. In these instances, a security guide should be added to the SRCL clarifying these restrictions. The security guide is normally generated by the organization's project authority and/or security authority.

c) Level of information

Using the following chart, indicate the appropriate level of access to information/assets the supplier must have to perform the duties of the requirement.

PROTECTED	CLASSIFIED	NATO
PROTECTED A	CONFIDENTIAL	NATO UNCLASSIFIED
PROTECTED B	SECRET	NATO RESTRICTED
PROTECTED C	TOP SECRET	NATO CONFIDENTIAL
	TOP SECRET (SIGINT)	NATO SECRET
		COSMIC TOP SECRET

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?

If Yes, the supplier personnel requiring access to COMSEC information or assets must receive a COMSEC briefing. The briefing will be given to the "holder" of the COMSEC information or assets. In the case of a "personnel assigned" type of contract, the customer department will give the briefing. When the supplier is required to receive and store COMSEC information or assets on the supplier's premises, the supplier's COMSEC Custodian will give the COMSEC briefings to the employees requiring access to COMSEC information or assets. If Yes, the Level of sensitivity must be indicated.

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?

If Yes, the supplier must provide the Short Title of the material and the Document Number. Access to extremely sensitive INFOSEC information or assets will require that the supplier undergo a Foreign Ownership Control or Influence (FOCI) evaluation by CIISD.

PART B - PERSONNEL (SUPPLIER)

10. a) Personnel security screening level required

Identify the screening level required for access to the information/assets or client facility. More than one level may be identified depending on the nature of the work. Please note that Site Access screenings are granted for access to specific sites under prior arrangement with the Treasury Board of Canada Secretariat. A Site Access screening only applies to individuals, and it is not linked to any other screening level that may be granted to individuals or organizations.

RELIABILITY STATUS	CONFIDENTIAL	SECRET
TOP SECRET	TOP SECRET (SIGINT)	NATO CONFIDENTIAL
NATO SECRET	COSMIC TOP SECRET	SITE ACCESS

If multiple levels of screening are identified, a Security Classification Guide must be provided.

b) May unscreened personnel be used for portions of the work?

Indicating Yes means that portions of the work are not PROTECTED and/or CLASSIFIED and may be performed outside a secure environment by unscreened personnel. The following question must be answered if unscreened personnel will be used:

Will unscreened personnel be escorted?

If No, unscreened personnel may not be allowed access to sensitive work sites and must not have access to PROTECTED and/or CLASSIFIED information and/or assets.

If Yes, unscreened personnel must be escorted by an individual who is cleared to the required level of security in order to ensure there will be no access to PROTECTED and/or CLASSIFIED information and/or assets at the work site.

PART C - SAFEGUARDS (SUPPLIER)

11. INFORMATION / ASSETS

a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information and/or assets on its site or premises?

If Yes, specify the security level of the documents and/or equipment that the supplier will be required to safeguard at their own site or premises using the summary chart.

b) Will the supplier be required to safeguard COMSEC information or assets?

If Yes, specify the security level of COMSEC information or assets that the supplier will be required to safeguard at their own site or premises using the summary chart.

PRODUCTION

c) Will the production (manufacture, repair and/or modification) of PROTECTED and/or CLASSIFIED material and/or equipment occur at the supplier's site or premises?

Using the summary chart, specify the security level of material and/or equipment that the supplier manufactured, repaired and/or modified and will be required to safeguard at their own site or premises.

INFORMATION TECHNOLOGY (IT)

d) Will the supplier be required to use its IT systems to electronically process and/or produce or store PROTECTED and/or CLASSIFIED information and/or data?

If Yes, specify the security level in the summary chart. This block details the information and/or data that will be electronically processed or produced and stored on a computer system. The client department and/or organization will be required to specify the IT security requirements for this procurement in a separate technical document. The supplier must also direct their attention to the following document: Treasury Board of Canada Secretariat - Operational Security Standard: Management of Information Technology Security (MITS).

e) Will there be an electronic link between the supplier’s IT systems and the government department or agency?

If Yes, the supplier must have their IT system(s) approved. The Client Department must also provide the Connectivity Criteria detailing the conditions and the level of access for the electronic link (usually not higher than PROTECTED B level).

SUMMARY CHART

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier’s site(s) or premises.

For users completing the form **online** (via the Internet), the Summary Chart is automatically populated by your responses to previous questions.

PROTECTED	CLASSIFIED	NATO	COMSEC
PROTECTED A	CONFIDENTIAL	NATO RESTRICTED	PROTECTED A
PROTECTED B	SECRET	NATO CONFIDENTIAL	PROTECTED B
PROTECTED C	TOP SECRET	NATO SECRET	PROTECTED C
	TOP SECRET (SIGINT)	COSMIC TOP SECRET	CONFIDENTIAL
			SECRET
			TOP SECRET

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?

If Yes, classify this form by annotating the top and bottom in the area entitled “Security Classification”.

b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?

If Yes, classify this form by annotating the top and bottom in the area entitled “Security Classification” and indicate with attachments (e.g. SECRET with Attachments).

PART D - AUTHORIZATION

13. Organization Project Authority

This block is to be completed and signed by the appropriate project authority within the client department or organization (e.g. the person responsible for this project or the person who has knowledge of the requirement at the client department or organization). This person may on occasion be contacted to clarify information on the form.

14. Organization Security Authority

This block is to be signed by the Departmental Security Officer (DSO) (or delegate) of the department identified in Block 1, or the security official of the prime contractor.

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?

A Security Guide or Security Classification Guide is used in conjunction with the SRCL to identify additional security requirements which do not appear in the SRCL, and/or to offer clarification to specific areas of the SRCL.

16. Procurement Officer

This block is to be signed by the procurement officer acting as the contract or subcontract manager.

17. Contracting Security Authority

This block is to be signed by the Contract Security Official. Where PWGSC is the Contract Security Authority, Canadian and International Industrial Security Directorate (CIISD) will complete this block.

Instructions pour établir la Liste de vérification des exigences relatives à la sécurité (LVERS)

La feuille d'instructions devrait rester jointe au formulaire jusqu'à ce que la case 17 ait été remplie.

GÉNÉRALITÉS - TRAITEMENT DU PRÉSENT FORMULAIRE

Le responsable du projet doit faire remplir ce formulaire.

L'agent de sécurité de l'organisation doit revoir et approuver les exigences de sécurité qui figurent dans le formulaire, en collaboration avec le responsable du projet.

Le responsable de la sécurité des marchés est le responsable chargé de voir à ce que les fournisseurs se conforment aux exigences de sécurité mentionnées dans la LVERS.

Toutes les demandes d'achat ainsi que tous les appels d'offres et les documents contractuels subséquents, y compris les contrats de sous-traitance, qui comprennent des exigences relatives à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS doivent être accompagnés d'une LVERS dûment remplie.

Il importe d'indiquer si les renseignements ou les biens PROTÉGÉS sont de niveau A, B ou C, le cas échéant; cependant, certains types de renseignements peuvent être indiqués par la mention « PROTÉGÉ » seulement. Aucun renseignement relatif à un contrat gouvernemental PROTÉGÉ ou CLASSIFIÉ ne peut être divulgué par les fournisseurs sans l'approbation écrite préalable de la personne dont le nom figure à la case 17 de ce formulaire.

La classification assignée à un stade particulier du processus contractuel ne signifie pas que tout ce qui se rapporte à ce stade doit recevoir la même classification. Chaque article doit être PROTÉGÉ et/ou CLASSIFIÉ selon sa propre nature. Si un fournisseur ne sait pas quel niveau de classification assigner, il doit consulter la personne dont le nom figure à la case 17 de ce formulaire.

PARTIE A - INFORMATION CONTRACTUELLE

Numéro du contrat (au haut du formulaire)

Ce numéro doit être le même que celui utilisé sur la demande d'achat et services et devrait être celui utilisé dans la DDP ou dans le contrat. Il s'agit d'un numéro unique (c.-à-d. que le même numéro ne sera pas attribué à deux besoins distincts). Une nouvelle LVERS doit être utilisée pour chaque nouveau besoin ou demande (p. ex. un nouveau numéro de contrat, une nouvelle LVERS, de nouvelles signatures).

1. Ministère ou organisme gouvernemental d'origine

Inscrire le nom du ministère ou de l'organisme client ou le nom de l'entrepreneur principal pour qui les travaux sont effectués.

2. Direction générale ou Direction

Cette case peut servir à fournir plus de détails quant à la section du ministère ou de l'organisme pour qui les travaux sont effectués.

3. a) Numéro du contrat de sous-traitance

S'il y a lieu, ce numéro correspond au numéro généré par l'entrepreneur principal pour gérer le travail avec son sous-traitant.

b) Nom et adresse du sous-traitant

Indiquer le nom et l'adresse au complet du sous-traitant, s'il y a lieu.

4. Brève description du travail

Donner un bref aperçu du besoin ou du travail à exécuter.

5. a) Le fournisseur aura-t-il accès à des marchandises contrôlées?

La *Loi sur la production de défense* (LPD) définit « marchandises contrôlées » comme désignant certains biens énumérés dans la Liste des marchandises d'exportation contrôlée, un règlement établi en vertu de la *Loi sur les licences d'exportation et d'importation* (LLEI). Les fournisseurs qui examinent, possèdent ou transfèrent des marchandises contrôlées à l'intérieur du Canada doivent s'inscrire à la Direction des marchandises contrôlées ou être exemptés de l'inscription. On trouvera plus d'information à l'adresse www.cgp.gc.ca.

b) Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?

L'entrepreneur et tout sous-traitant doivent être accrédités en vertu du Programme mixte d'agrément Etats-Unis / Canada si le travail comporte l'accès à des données militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques. On trouvera plus d'information à l'adresse www.dlis.dla.mil/jcp/.

6. Indiquer le type d'accès requis

Indiquer la nature du travail à exécuter pour répondre à ce besoin. L'utilisateur doit choisir un des types suivants :

a) Le fournisseur et ses employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS?

Le fournisseur choisit cette option s'il doit avoir accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS pour accomplir le travail requis.

b) Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.

Le fournisseur choisit cette option seulement s'il doit avoir accès régulièrement aux locaux du gouvernement ou à un lieu de travail protégé. Le fournisseur n'aura pas accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS en vertu de cette option.

c) S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?

Le fournisseur choisit cette option s'il y a nécessité de recourir à un service de messagerie ou de livraison commerciale. Le fournisseur ne sera pas autorisé à garder un colis pendant la nuit. Le colis doit être retourné s'il ne peut pas être livré.

7. Type d'information / Restrictions relatives à la diffusion / Niveau d'information

Indiquer le ou les types d'information auxquels le fournisseur peut devoir avoir accès, énumérer toutes les restrictions possibles relatives à la diffusion, et, s'il y a lieu, indiquer le ou les niveaux d'information. L'utilisateur peut faire plusieurs choix selon la nature du travail à exécuter.

Les ministères doivent soumettre la LVERS à TPSGC lorsque:

- les marchés prévoient l'accès aux renseignements et aux biens de nature PROTÉGÉS et/ou CLASSIFIÉS étrangers ;
- les marchés prévoient aux entrepreneurs étrangers l'accès aux renseignements et aux biens de nature PROTÉGÉS et/ou CLASSIFIÉS canadiens; ou
- les marchés prévoient aux entrepreneurs étrangers ou canadiens l'accès aux renseignements et aux biens de nature PROTÉGÉS et/ou CLASSIFIÉS tels que définis dans les documents intitulés Moyens INFOSEC détermination et Divulgateion de INFOSEC.

a) Indiquer le type d'information auquel le fournisseur devra avoir accès

Renseignements et/ou biens du gouvernement canadien

Si des renseignements et/ou des biens canadiens sont indiqués, le fournisseur aura accès à des renseignements et/ou à des biens PROTÉGÉS et/ou CLASSIFIÉS appartenant au gouvernement canadien.

Renseignements et/ou biens de l'OTAN

Si des renseignements et/ou des biens de l'OTAN sont indiqués, cela signifie que, dans le cadre de ce besoin, le fournisseur aura accès à des renseignements et/ou à des biens PROTÉGÉS et/ou CLASSIFIÉS appartenant à des gouvernements membres de l'OTAN. Les renseignements et/ou les biens de l'OTAN sont élaborés par des pays de l'OTAN ou leur appartiennent et ne doivent être divulgués à aucun pays qui n'est pas un pays membre de l'OTAN. Les personnes qui manient des renseignements et/ou des biens de l'OTAN doivent détenir une autorisation de sécurité de l'OTAN et avoir besoin de savoir.

Les contrats comportant des renseignements CLASSIFIÉS de l'OTAN doivent être attribués par TPSGC. La DSICI de TPSGC est le responsable de la sécurité désigné relativement aux questions de sécurité industrielle au Canada.

Renseignements et/ou biens de gouvernements étrangers

Si des renseignements et/ou des biens de gouvernements étrangers sont indiqués, ce besoin permettra l'accès à des renseignements et/ou à des biens appartenant à un pays autre que le Canada.

b) Restrictions relatives à la diffusion

Si **À ne pas diffuser** est choisi, cela indique que les renseignements et/ou les biens sont **réservés aux Canadiens**. Seuls des fournisseurs canadiens installés au Canada peuvent soumissionner ce genre de besoin. NOTA : Si des renseignements et/ou des biens du gouvernement canadien coexistent avec des renseignements et/ou des biens réservés aux Canadiens, ceux-ci doivent porter la mention **Réservé aux Canadiens**.

Si **Aucune restriction relative à la diffusion** est choisi, cela indique que l'accès aux renseignements et/ou aux biens n'est assujéti à aucune restriction.

Si **Tous les pays de l'OTAN** est choisi, les soumissionnaires doivent appartenir à un pays membre de l'OTAN.

NOTA : Il peut y avoir plus d'une restriction s'appliquant à une demande, selon la nature des travaux à exécuter. Pour ce genre de contrat, un guide de sécurité doit être joint à la LVERS afin de clarifier les restrictions. Ce guide est généralement préparé par le chargé de projet et/ou le responsable de la sécurité de l'organisme.

c) Niveau d'information

À l'aide du tableau ci-dessous, indiquer le niveau approprié d'accès aux renseignements et/ou aux biens que le fournisseur doit avoir pour accomplir les travaux requis.

PROTÉGÉ	CLASSIFIÉ	NATO
PROTÉGÉ A	CONFIDENTIEL	NATO NON CLASSIFIÉ
PROTÉGÉ B	SECRET	NATO DIFFUSION RESTREINTE
PROTÉGÉ C	TRÈS SECRET	NATO CONFIDENTIEL
	TRÈS SECRET (SIGINT)	NATO SECRET
		COSMIC TRÈS SECRET

8. Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?

Si la réponse est Oui, les membres du personnel du fournisseur qui doivent avoir accès à des renseignements ou à des biens COMSEC doivent participer à une séance d'information COMSEC. Cette séance sera donnée au « détenteur autorisé » des renseignements ou des biens COMSEC. Dans le cas des contrats du type « personnel affecté », cette séance sera donnée par le ministère client. Lorsque le fournisseur doit recevoir et conserver, dans ses locaux, des renseignements ou des biens COMSEC, le responsable de la garde des renseignements ou des biens COMSEC de l'entreprise donnera la séance d'information COMSEC aux membres du personnel qui doivent avoir accès à des renseignements ou à des biens COMSEC.

9. Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate?

Si la réponse est Oui, le fournisseur doit indiquer le titre abrégé du document, le numéro du document et le niveau de sensibilité. L'accès à des renseignements ou à des biens extrêmement délicats INFOSEC exigera que le fournisseur fasse l'objet d'une vérification Participation, contrôle et influence étrangers (PCIE) effectuée par la DSICI.

PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Niveau de contrôle de la sécurité du personnel requis

Indiquer le niveau d'autorisation de sécurité que le personnel doit détenir pour avoir accès aux renseignements, aux biens ou au site du client. Selon la nature du travail, il peut y avoir plus d'un niveau de sécurité. Veuillez noter que des cotes de sécurité sont accordées pour l'accès à des sites particuliers, selon des dispositions antérieures prises auprès du Secrétariat du Conseil du Trésor du Canada. La cote de sécurité donnant accès à un site s'applique uniquement aux personnes et n'est liée à aucune autre autorisation de sécurité accordée à des personnes ou à des organismes.

COTE DE FIABILITÉ	CONFIDENTIEL	SECRET
TRÈS SECRET	TRÈS SECRET (SIGINT)	NATO CONFIDENTIEL
NATO SECRET	COSMIC TRÈS SECRET	ACCÈS AUX EMPLACEMENTS

Si plusieurs niveaux d'autorisation de sécurité sont indiqués, un guide de classification de sécurité doit être fourni.

b) Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail?

Si la réponse est Oui, cela veut dire que certaines tâches ne sont pas PROTÉGÉES et/ou CLASSIFIÉES et peuvent être exécutées à l'extérieur d'un environnement sécurisé par du personnel n'ayant pas d'autorisation de sécurité. Il faut répondre à la question suivante si l'on a recours à du personnel n'ayant pas d'autorisation de sécurité :

Le personnel n'ayant pas d'autorisation de sécurité sera-t-il escorté?

Si la réponse est Non, le personnel n'ayant pas d'autorisation de sécurité ne pourra pas avoir accès à des lieux de travail dont l'accès est réglementé ni à des renseignements et/ou à des biens PROTÉGÉS et/ou CLASSIFIÉS.

Si la réponse est Oui, le personnel n'ayant pas d'autorisation de sécurité devra être escorté par une personne détenant la cote de sécurité requise, pour faire en sorte que le personnel en question n'ait pas accès à des renseignements et/ou à des biens PROTÉGÉS et/ou CLASSIFIÉS sur les lieux de travail.

PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

11. RENSEIGNEMENTS / BIENS :

a) Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS?

Si la réponse est Oui, préciser, à l'aide du tableau récapitulatif, le niveau de sécurité des documents ou de l'équipement que le fournisseur devra protéger dans ses installations.

b) Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC?

Si la réponse est Oui, préciser, à l'aide du tableau récapitulatif, le niveau de sécurité des renseignements ou des biens COMSEC que le fournisseur devra protéger dans ses installations.

PRODUCTION

c) Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ?

Préciser, à l'aide du tableau récapitulatif, le niveau de sécurité du matériel que le fournisseur fabriquera, réparera et/ou modifiera et devra protéger dans ses installations.

TECHNOLOGIE DE L'INFORMATION (TI)

d) Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS?

Si la réponse est Oui, préciser le niveau de sécurité à l'aide du tableau récapitulatif. Cette case porte sur les renseignements qui seront traités ou produits électroniquement et stockés dans un système informatique. Le ministère/organisme client devra préciser les exigences en matière de sécurité de la TI relativement à cet achat dans un document technique distinct. Le fournisseur devra également consulter le document suivant : Secrétariat du Conseil du Trésor du Canada – Norme opérationnelle de sécurité : Gestion de la sécurité des technologies de l'information (GSTI).

e) Y aura-t-il un lien électronique entre les systèmes informatiques du fournisseur et celui du ministère ou de l'agence gouvernementale?

Si la réponse est Oui, le fournisseur doit faire approuver ses systèmes informatiques. Le ministère client doit aussi fournir les critères de connectivité qui décrivent en détail les conditions et le niveau de sécurité relativement au lien électronique (habituellement pas plus haut que le niveau PROTÉGÉ B).

TABLEAU RÉCAPITULATIF

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

PROTÉGÉ	CLASSIFIÉ	NATO	COMSEC
PROTÉGÉ A	CONFIDENTIEL	NATO DIFFUSION RESTREINTE	PROTÉGÉ A
PROTÉGÉ B	SECRET	NATO CONFIDENTIEL	PROTÉGÉ B
PROTÉGÉ C	TRÈS SECRET	NATO SECRET	PROTÉGÉ C
	TRÈS SECRET (SIGINT)	COSMIC TRÈS SECRET	CONFIDENTIEL
			SECRET
			TRÈS SECRET

12. a) La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

Si la réponse est Oui, classifier le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de

sécurité » au haut et au bas du formulaire.

b) La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

Si la réponse est Oui, classifier le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).

PARTIE D - AUTORISATION

13. Chargé de projet de l'organisme

Cette case doit être remplie et signée par le chargé de projet pertinent (c.-à-d. la personne qui est responsable de ce projet ou qui connaît le besoin au ministère ou à l'organisme client. On peut, à l'occasion, communiquer avec cette personne pour clarifier des renseignements figurant sur le formulaire.

14. Responsable de la sécurité de l'organisme

Cette case doit être signée par l'agent de la sécurité du ministère (ASM) du ministère indiqué à la case 1 ou par son remplaçant ou par le responsable de la sécurité du fournisseur.

15. Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

Un Guide de sécurité ou un Guide de classification de sécurité sont utilisés de concert avec la LVERS pour faire part d'exigences supplémentaires en matière de sécurité qui n'apparaissent pas dans la LVERS et/ou pour éclaircir certaines parties de la LVERS.

16. Agent d'approvisionnement

Cette case doit être signée par l'agent des achats qui fait fonction de gestionnaire du contrat ou du contrat de sous-traitance.

17. Autorité contractante en matière de sécurité

Cette case doit être signée par l'agent de la sécurité du marché. Lorsque TPSGC est le responsable de la sécurité du marché, la Direction de la sécurité industrielle canadienne et internationale (DSICI) doit remplir cette case.