



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
Room 100,
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6
Bid Fax: (204) 983-0338

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen 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 therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine 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-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet Air Pressure Resistant Doors	
Solicitation No. - N° de l'invitation 6D063-182303/A	Date 2018-07-16
Client Reference No. - N° de référence du client 6D063-182303	
GETS Reference No. - N° de référence de SEAG PW-\$WPG-118-10587	
File No. - N° de dossier WPG-8-41019 (118)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-08-27	Time Zone Fuseau horaire Central Daylight Saving Time CDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Omerzo, Zeljka	Buyer Id - Id de l'acheteur wpg118
Telephone No. - N° de téléphone (204) 510-2597 ()	FAX No. - N° de FAX (204) 983-7796
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PUBLIC HEALTH AGENCY OF CANADA 1015 ARLINGTON ST WINNIPEG Manitoba R3E3P6 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada - Western
Region
Room 100
167 Lombard Ave.
Winnipeg
Manitoba
R3B 0T6

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
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 Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;
- Part 6 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Requirement, the Basis of Payment, the Electronic Payment Instruments, and any other annexes.

1.2 Summary

Public Health Agency of Canada (PHAC) has a requirement for four (4) Air Pressure Resistant Doors and frames with hardware for installation into walls of high containment laboratories designated as Containment Level 4 (CL4) and Containment Level 3 (CL3), with an option to purchase up to four (4) additional units.

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

There is an optional bidders' conference associated with this requirement.

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information."

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

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

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.

The [2003](#) (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 120 days

The 2003 standard instructions is amended as follows:

- section 05, entitled Submission of bids, is amended as follows:
 - subsection 1 is deleted entirely and replaced with the following: "Canada requires that each bid, at solicitation closing date and time or upon request from the Contracting Authority, be signed by the Bidder or by an authorized representative of the Bidder. If a bid is submitted by a joint venture, it must be in accordance with section 17."
 - paragraph 2.d is deleted entirely and replaced with the following: "send its bid only to the specified Bid Receiving Unit of Public Works and Government Services Canada (PWGSC) specified in the bid solicitation, or to the address specified in the bid solicitation, as applicable;"
 - paragraph 2.e is deleted entirely and replaced with the following: "ensure that the Bidder's name, and return address, bid solicitation number, and solicitation closing date and time are clearly visible on the bid; and,"
- section 06, entitled Late bids, is deleted entirely and replaced with the following: "PWGSC will return or delete bids delivered after the stipulated solicitation closing date and time, unless they qualify as a delayed bid as described in section 07. For late bids submitted using means other than the Canada Post Corporation's epost Connect service, the physical bid will be returned. For bids submitted electronically the late bid will be deleted. As an example, bids submitted using Canada Post Corporation's epost Connect service, an epost Connect conversation initiated by the Bid Receiving Unit via the epost Connect service pertaining to a late bid will be deleted. Records will be kept documenting the transaction history of all late bids submitted using epost Connect."
- section 07, entitled Delayed bids, is amended as follows:
 - subsection 1 is deleted and replaced as follows:
 1. A bid delivered to the specified Bid Receiving Unit after the solicitation closing date and time but before the contract award date may be considered, provided the bidder can prove the delay is due solely to a delay in delivery that can be attributed to the Canada Post Corporation (CPC) (or national equivalent of a foreign country). Private courier (Purolator Inc., Fedex Inc., etc.) is not considered to be part of CPC for the purposes of delayed bids.
 - a. The only pieces of evidence relating to a delay in the CPC system that are acceptable to PWGSC are:
 - i. a CPC cancellation date stamp;
 - ii. a CPC Priority Courier bill of lading;
 - iii. a CPC Xpresspost label;

- notification from Canada Post Corporation prompting the Bidder to access and action the message within the epost Connect conversation. The Bidder will then be able to transmit its bid afterward at any time prior to the solicitation closing date and time.
- d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the epost Connect conversation open until at least 30 business days after the solicitation closing date and time.
 - e. The bid solicitation number should be identified in the epost Connect message field of all electronic transfers.
 - f. It should be noted that the use of epost Connect service requires a Canadian mailing address. Should a bidder not have a Canadian address, they may use the Bid Receiving Unit address specified in the solicitation in order to register for the epost Connect service.
 - g. For bids transmitted by epost Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
 - i. receipt of a garbled, corrupted or incomplete bid;
 - ii. availability or condition of the epost Connect service;
 - iii. incompatibility between the sending and receiving equipment;
 - iv. delay in transmission or receipt of the bid;
 - v. failure of the Bidder to properly identify the bid;
 - vi. illegibility of the bid;
 - vii. security of bid data; or
 - viii. inability to create an electronic conversation through the epost Connect service.
 - h. A bid transmitted by epost Connect service constitutes the formal bid of the Bidder and must be submitted in accordance with section 05."

2.1.1 SACC Manual Clauses

B3000T (2006-06-16), Equivalent Products

2.2 Submission of Bids

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation:

BRU: Western Region Bid Receiving Unit (Winnipeg)
Address: Room 100, 167 Lombard Avenue
Winnipeg, Manitoba R3B 0T6

E-post Connect: ROReceptionSoumissions.WRBidReceiving@tpsgc-pwgsc.gc.ca
Bid Fax: (204) 983-0338

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 15 calendar days before the bid closing date. Enquiries received after that time may not be answered.

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.

2.4 Applicable Laws

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

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.

2.5 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least 15 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.6 Bidders' Conference

A bidders' conference will be held by Web-Ex on July 31, 2018. The conference will begin at 10:00am CT. The scope of the requirement outlined in the bid solicitation will be reviewed during the conference and questions will be answered. It is recommended that bidders who intend to submit a bid attend or send a representative.

Bidders are requested to communicate with the Contracting Authority before the conference to confirm attendance and obtain call in information by email: Zeljka.Omerzo@pwgsc-tpsgc.gc.ca. Bidders should provide, in writing, to the Contracting Authority, the name(s) of the person(s) who will be attending and a list of issues they wish to table no later than July 27, 2018.

Any clarifications or changes to the bid solicitation resulting from the bidders' conference will be included as an amendment to the bid solicitation. Bidders who do not attend will not be precluded from submitting a bid.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications
Section IV: Additional Information

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copies)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

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) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Section II: Financial Bid

3.1.1 Bidders must submit their financial bid in accordance with the Basis of Payment in Annex "B".

3.1.2 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "C" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "C" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.3 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

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 the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1. Mandatory Technical Criteria

Mandatory technical evaluation criteria are included in **ANNEX "D"**.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

SACC Manual Clause A0222T (2014-06-26), Evaluation of Price - Canadian / Foreign Bidders

4.2 Basis of Selection

4.2.1 Mandatory Technical Criteria

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

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 Integrity 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 specified 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 procurement 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.

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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Education and Experience

5.2.3.1.1 *SACC Manual* clause [A3010T](#) (2010-08-16) Education and Experience

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 Requirement

The Contractor must provide the items in accordance with the Requirement at Annex "A" and the Contractor's technical bid entitled *TBD*, dated *TBD*.

6.1.1 Optional Goods

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "A" of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.2 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.2.1 General Conditions

[2030](#) (2018-06-21), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

6.3 Security Requirements

6.3.1 There is no security requirement applicable to 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 31 December 2020 inclusive.

6.4.2 Delivery Date

Schedule 1: All the deliverables must be received on or before 31 December 2018.

Schedule 2: While delivery is requested by March 31, 2019, the best delivery that could be offered is _____.

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6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "B" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Zeljka Omerzo
Procurement Officer
Procurement Branch, Western Region
Public Works and Government Services Canada
Suite 100-167 Lombard Avenue
Winnipeg, MB R3B 0T6

Telephone: (204) 510-2597
Facsimile: (204) 983-7796
E-mail address: Zeljka.Omerzo@tpsgc-pwgsc.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 Project Authority

The Project Authority for the Contract is: *(to be determined)*

The Project 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 Project Authority; however, the Project 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.

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6.5.3 Contractor's Representative

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing its obligations under the Contract, the Contractor will be paid a firm price for the cost of \$ **TBD**. Customs duties are included 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.

6.6.2 Limitation of Price

SACC Manual clause **C6000C** (2017-08-17) Limitation of Price

6.6.3 Milestone Payments - Not subject to holdback

H3010C (2016-01-28), Milestone Payments - Not subject to holdback

6.6.4 Schedule of Milestones

Schedule 1:

Milestone No.	Deliverable	Firm Amount	Delivery Date
1	50% of value payable after approved and successful Factory Acceptance Test	TBD	TBD
2	90% of value payable after delivery to site.	TBD	On or before December 31, 2018.
3	Remaining balance of 10% payable upon approved and successful Site Acceptance Test.	TBD	Based on installation schedule, this will be released on a door by door basis.

Schedule 2:

Milestone No.	Deliverable	Firm Amount	Delivery Date
1	50% of total amount payable after approved and successful Factory Acceptance Test	<i>TBD</i>	<i>TBD</i>
2	90% of total amount payable after delivery to site.	<i>TBD</i>	<i>TBD</i>
3	Remaining balance of 10% total amount payable upon approved and successful Site Acceptance Test.	<i>TBD</i>	Based on installation schedule, this will be released on a door by door basis.

Schedule 3: Optional Goods

Milestone No.	Deliverable	Firm Amount	Delivery Date
1	50% of total amount payable after approved and successful Factory Acceptance Test	<i>TBD</i>	<i>TBD</i>
2	90% of total amount payable after delivery to site.	<i>TBD</i>	<i>TBD</i>
3	Remaining balance of 10% total amount payable upon approved and successful Site Acceptance Test.	<i>TBD</i>	Based on installation schedule, this will be released on a door by door basis.

6.6.5 SACC Manual Clauses

[C2000C](#) (2007-11-30), Taxes – Foreign-based Contractor

[C2605C](#) (2008-05-12), Canadian Customs Duties and Sales Tax - Foreign-based Contractor

6.6.6 Electronic Payment of Invoices – Contract

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions - Progress Payment Claim - Supporting Documentation not required

1. The Contractor must submit a claim for payment using form [PWGSC-TPSGC 1111](#), Claim for Progress Payment.

Each claim must show:

- a. all information required on form [PWGSC-TPSGC 1111](#);
 - b. all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
 - c. the description and value of the milestone claimed as detailed in the Contract.
2. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.
 3. The Contractor must prepare and certify one original and two (2) copies of the claim on form [PWGSC-TPSGC 1111](#), and forward it to the Project Authority identified under the section entitled "Authorities" of the Contract for appropriate certification after inspection and acceptance of the Work takes place.
The Project Authority will then forward the original and two (2) copies of the claim to the Contracting Authority for certification and onward submission to the Payment Office for the remaining certification and payment action.
 4. The Contractor must not submit claims until all work identified in the claim is completed.

6.8 Certifications and Additional Information

6.8.1 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.

6.8.2 SACC Manual Clauses

[A3015C](#) (2014-06-26), Certifications – Contract

6.9 Applicable Laws

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

6.10 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) the general conditions [2030](#) (2018-06-21), General Conditions - Higher Complexity - Goods;
- c) Annex A, Requirement;
- d) Annex B, Basis of Payment;
- e) the Contractor's bid dated _____ (*insert date of bid*).

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6.11 Insurance

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

6.12 Inspection and Acceptance

The Project Authority is the Inspection Authority. All reports, deliverable items, documents, goods 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 requirements of the Requirement at Annex "A" 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.

6.13 SACC Manual clause

[B1501C](#) (2018-06-21), Electrical equipment

[B7500C](#) (2006-06-16), Excess Goods

ANNEX "A"

REQUIREMENT

Air Pressure Resistant Doors

PART 1 – GENERAL

1.01 Summary

- A. Section Includes:
 - 1. Pneumatic Air Pressure Resistant (APR) Doors and Frames with hardware
- B. Air pressure resistant doors, frames and hardware described in this section are intended for installation into walls of high containment laboratories designated as Containment Level 4 (CL4) and Containment Level 3 (CL3). The vendor Work will be specifically monitored to ensure complete specification compliance.
- C. See related drawings for information applicable to products outlined within.

1.02 References

- A. As a minimum, the APR Doors covered by this specification shall meet the relevant portions of the following codes The publications listed below form a part of this section to the extent referenced. The publications are referred to within the text by the basic designation only:
 - 1. Manitoba Building Code 2006 (NBCC 2005)
 - 2. Canadian Biosafety Standard, 2nd Edition (2015)
 - 3. ASTM A 240/A 240M (2007e1) Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
 - 4. ASTM A 276 (2006) Standard Specification for Stainless Steel Bars and Shapes
 - 5. ASTM B 749 (2003) Standard Specification for Lead and Lead Alloy Strip, Sheet and Plate Products
 - 6. ASTM C 1036 (2006) Standard Specification for Flat Glass
 - 7. ASTM C 1048 (2004) Standard Specification for Heat-Treated Flat Glass - Kind HS, Kind FT Coated and Uncoated Glass
 - 8. ASTM C 1172 (2003) Standard Specification for Laminated Architectural Flat Glass
 - 9. ASTM C 143/C 143M (2005a) Standard Test Method for Slump of Hydraulic-Cement Concrete
 - 10. ASTM C 476 (2007) Standard Specification for Grout for Masonry
 - 11. NAAMM MFM (1988) Metal Finishes Manual
 - 12. ASTM E 774 (1997) Classification of the Durability of Sealed Insulating Glass Units

1.03 Design Performance Requirements

- A. Air pressure resistant doors, frames and hardware are required to be chemically resistant, easily cleanable, air tight barrier systems where positive or negative static loading is applied over a relatively long duration and where dynamic (impact) loading from typical person and equipment movement may occur.
- B. Provide air pressure resistant swinging door systems where shown on drawings and as specified herein, factory-assembled, completely operable, and shipped as a unit.
- C. All APR Doors shall be swing type doors. Doors shall be capable of swinging open 180 degrees; typical operation will be just over 90 degrees.
- D. Pneumatic APR doors to be complete with frame, adjustable hinges, inflatable bladder-type gaskets that serve to biologically seal door, and electromagnetic locking device to secure door.
- E. Pneumatic APR Doors in Animal Holding areas, as indicated on the APR door drawings, shall be capable of resisting a typical impact load on either side of the door and maintain in the closed and secured position. No limitations on deflection are placed on the door beyond that indicated elsewhere in this section. Permanent deformation of the door skin is acceptable.
- F. Design door hardware and reinforcements to transfer all applicable pressure loading to frame. Design frame anchors to transfer all force loadings to walls or to structural sub-frame embeds.
- G. Pneumatic Doors in CL3 and CL4 shall be capable of performance when the pressure difference from positive side to negative side of door is 10.0 in w.g. (0.361 psig, 2500 Pa).
- H. Maximum deflection of components to be limited to a maximum of L/240 at 6.0 ins. w.g. pressure and all components shall withstand this pressure in either direction without damage or loss of pressure.
- I. Electrical boxes and conduit serving APR doors, including those boxes which may be integrated into the door sub frame, shall be sealed and tested to achieve the performance parameters described within.
- J. Design doors and seals to be operated constantly in the closed and sealed mode.
- K. All surfaces shall be smooth, free of sharp edges and easily cleanable as determined by a single layer nitrile glove test conducted at typical cleaning pressure across all edges.
- L. Exposed surfaces within the laboratory must be resistant to formaldehyde gas and vaporized hydrogen peroxide decontamination, as well as 5% Microchem solution for the shower doors, and the chemical resistivity list outlined in section 3.04 A.1.
- M. Doors shall open and close manually with less than 5.5 lbs/sq. ft. when installed true and plumb.

1.04 Quality Assurance

- A. Welding shall comply with the provisions of the following:
 - 1. AWS Structural Welding Code.
 - 2. ASME Structural Welding Code Section IX.

1.05 Submittals

All documentation must be in English.

- A. Shop Drawings:
 - 1. Indicate each type of door, arrangement of hardware, required clearances.
 - 2. Indicate assembly details and dimensions of fabrication, required clearances.
 - 3. Provide control sequence interfaces.
 - 4. Wiring diagrams.
 - 5. Templates for embedded items including frames and anchorages, control wiring boxes, control boxes for air supply.
- B. Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.

1.06 Maintenance Data

- A. Provide maintenance data for pneumatically operated air pressure resistant doors incorporated into operation and maintenance manuals
- B. Provide recommended installation procedures and operation and maintenance instructions.
- C. Provide complete assembly diagrams and parts list.

1.07 Maintenance Materials

- A. Deliver two spare seals per door for future replacement. Identify each package.

1.08 Site Coordination (by Public Health agency of Canada (PHAC) and Vendor during shop drawing stage)

- A. Coordinate installation and anchorages for sub-frames with PHAC. Furnish setting drawings, templates, and directions for installing anchorages, including conduits, concrete inserts, anchor bolts, and items with integral anchors. Deliver such items to Project site in time for installation.
- B. Coordinate locations of control panels for pneumatic doors and door controller for all interlocked doors on the interstitial floor with PHAC installation procedures and equipment.
- C. Coordinate sequence of operation requirements with PHAC building automation system requirements and PHAC program requirements.

1.09 Warranty

- A. Manufacturer's form in which Manufacturer agrees to repair or replace components of systems that do not comply with requirements or that fail in materials of workmanship within the specified warranty period.
- B. Failures include, but are not limited to the following:
 - 1. Structural failures including displacement of door assembly anchorage.
 - 2. Faulty mechanical operation of Air Pressure Resistant Doors and all electronic parts.
 - 3. Deterioration of metals and other materials.
 - 4. Air leakage in excess of performance requirements.
 - 5. Failure of gaskets
 - 6. Failure of operating components.
- C. Warranties shall include both express and implied warranties as an affirmative statement of fact in manufacturer's advertisements and literature and as an implied warranty of merchantability that the products are satisfactory for the particular purpose in which they are to be used
- D. Warranty period: 1 year from practical completion.

1.10 Delivery, Storage, and Handling

- A. Deliver and handle materials in accordance with Manufacturer's written instructions.
- B. Store and handle in accordance with Manufacturer's written instructions (by PHAC)
- C. Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with Manufacturer's name and address.
- D. Furnish templates to PHAC for embedded items and items requiring coordination including but not limited to:
 - 1. Templates for anchor bolts, plates, and embedded frames.
 - 2. Wiring diagrams.
 - 3. Templates for power and signal leave-outs.
- E. Storage and Handling Requirements after delivery (by PHAC):
 - 1. Store materials indoors, in dry location and in accordance with Manufacturer's recommendations in clean, dry, well-ventilated area.

2. Store and protect doors from nicks, scratches, and blemishes.
3. Replace defective or damaged materials with new.

PART 2 – PRODUCTS

2.01 Manufacturers

- A. Manufacturers are subject to compliance with requirements. Provide products by the following manufacturers or equal to:
1. Metall+Plastic
 2. Presray
 3. PBSC LTD
 4. Walz & Krenzer
 5. Sealeck

2.02 Materials

- A. Sheet Steel: ASTM A607.
B. Steel plate and shapes: ASTM A36.
C. Structural bars, rounds and flats: ASTM A108, Grade 1019.
D. Stainless steel sheet or plate: ASTM A240, type 316
E. Stainless steel structural shapes, bars, rounds and flats: ASTM A276, Type 316.
F. Gaskets: solid silicone or other elastomer seal of durometer 25 shore A hardness.
G. Sealants: Manufacturer recommended epoxy - chemical resistant as specified at the end of this Section "Material Resistance."
H. Glazing: Two ply laminated, interlayer PVB, both ply fully tempered, ¼" or ½" thickness.
I. Glazing sealant: Manufacturer recommended silicone – chemically resistant as specified at the end of this Section.

2.03 Hardware

- A. Provide stainless steel of appropriate design for the function intended for each door type.
B. Provide backboxes and reinforcing for electronic and magnetic hardware. All devices shall be subject to washdown and rated for IP66 Standard. All the electronic components must be CSA or ULC approved. The following items shall be incorporated into the door frame:
1. Request to Exit/Enter button
 2. Emergency Request to Exit button.
 3. Status lights.
 4. Electromagnetic lock with Bond Sensor and door position switch.
 5. Security Devices by PHAC.
 6. Door Contact
 7. Door gasket seal pressure sensor is located in DCJB
- C. Hinges shall have stainless steel pins, grade 5 or better, mounting bolts and shall be designed to protect against pressure loading.
D. Closers: electronically controlled hold-open closers sized for weight and loading of door.
E. Provide embed plates or stainless steel sub-frame as required by door design to anchor door to structure. Embeds shall be 304 or 316L stainless steel to match door frame material.
F. Provide typical spare parts for hardware devices, including full future spare parts list. Provide at least two (2) spare electromagnetic lock devices for each type used.
G. Ensure wiring harness for power/controls cabling and compressed air pneumatic tubing provided is a minimum of 5m in length for field termination by PHAC.

2.04 Pneumatic APR Door

- A. See associated drawings for quantity of APR Door types, sizes, swing radiuses, etc. All doors to be double pneumatic bladder type.
- B. Inflatable Pneumatic Seal: Provide dual continuous inflatable bladder-type seals around the perimeter of APR door that shall expand radially outward by the application of compressed air. With the removal of compressed air the seal shall retract flush with the door perimeter to allow door to open and to provide a flush, uninterrupted threshold. Gaskets shall deflate and allow movement of door within 5 to 10 seconds of request to open approval by security system.
 1. Material: EPDM, ethylene propylene diene monomer.
 2. Tubing and HEPA filter: Provide flexible tubing from APR Control Panel to door seals. Provide HEPA filter in panel to protect from contaminated air inside containment space, complete with swagelock fittings, isolation valves and decon ports.
- C. Compressed air will be provide to each door as required to fully inflate seal.
 1. Conceal compressed air, supply tubing within door and frame to protect from damage.
 2. Request to Exit (RX) button and Emergency Exit/Release (EX/ER) button shall bleed-off air in seal to allow seals to retract for egress.
 3. On a loss of main compressed air, the individual door bladder will remain inflated and hold its pressure for a minimum of 8 hours without tripping door bladder switch.
- D. Custom stainless steel frame shall be tack welded and sealed to stainless steel subframe with a non-shrink pourable grout. Frame connection to subframe shall be overlapped with floor coating.
 1. For chemical shower doors, thresholds shall be provided to direct excess chemical water back into the shower area, and avoid pooling on the door surfaces.
- E. Electromechanical latching hardware and security devices shall be as specified.
- F. APR Door Requirements
 1. Manual push/pull handle on both sides of door, stainless steel finish.
 2. Request to Entry/Exit Button.
 - (a) Shall send signal to Access Control Panel lock other doors per interlock protocol – refer to Door Systems Integration Schematic.
 3. Automatic air bladder release valve located in DCJB in penthouse.
 4. Electromagnetic Lock, internally mounted in door frame. Incorporate maglock housing into door frame and armature into door handle / stop plate. Maglock shall secure door in closed position and report proper bond between magnet and armature.
 5. Emergency Request to Exit Push Button with clear plastic cover, with local alarm. Surface mounted to interior side of door panel. Delay with local alarm until release of latch and electromagnetic lock shall be adjustable up to 15 seconds maximum, but shall be set to coincide with time to deflate the door air bladder adequately for safe opening of the door without causing damage to the air bladder, or a delay time less than 15 seconds as otherwise directed by the Engineer.
 - (a) Shall override any interlock protocol – refer to Door System Interface Diagram for specific functions required.
 - (b) Shall send signal to deflate the bladder.
 - (c) Shall release the magnetic lock. Must have contacts to interrupt mag lock power independent of any external control system.
 - (d) Shall send specific signal to notify the Access Control system.
 - (e) Shall be mechanical release type.
 6. Door Stop, wall mounted type.
 7. One Door Contact Switch, complete with wiring for connection to the BAS, Manufacturer's standard.
 8. Magnetic Lock device, complete with Bond Sensor and Door position switch, to interface with door interlock protocol. PHAC to confirm maglock part and model.
 9. Door gasket seal pressure sensor. Shall report the status of the door gasket seal as fully inflated or deflated.

10. Status lights. Shall report the status of the door as 'sealed' (red) or 'ready to open' (green). Status shall be received from the APR Door control system.
11. APR Door Operation Sequence, to be confirmed and sequence submitted with product shop drawings consistent with PHAC entry and egress protocols. Provide Bid-Deduct to include or exclude APR Door Control Unit:
 - (a) BAS monitor door status and door bladder status.
 - (b) Magnetic lock secures door in a closed position and verifies bond between magnet and armature and door open/closed status.
 - (c) Magnetic bond sensor verifies proper armature contact with magnet face and provides contact to security system.
 - (d) Security Management System (SMS) checks status of interlocked doors and requires a "Safe to Open" signal to open door.
 - (e) "Request to Enter/Exit" button de-energizes maglock; red lights on both sides of door will turn off and green lights turn on. "Door Contact Open" signal will be sent to BMS so space air pressures can be balanced.
 - (f) Maglock will re-energize after 10 seconds (Adjustable).
 - (g) If door is not un-latched, door will be re-secured, green lights will turn off and red lights will turn on.
 - (h) If door is un-latched and opened, verified by Door Contact Switch opening, power to re-energize maglock will not be supplied until door is closed, verified by Door Contact Switch closing.
 - (i) Emergency Release: Maglock will de-energize if Emergency Request to Exit (ERTE) is activated; maglock cannot be reenergized until ERTE and contact are reset. Normal sequences of status checklist will not be operational. SMS will sense and alarm condition.

2.05 Fabrication

- A. Fabricate door to applicable safety factors in accordance with AISC specifications, and provide effective seal against design pressures.
- B. Fabricate doors of satin #4 finish stainless steel per ASTM A480/A480M, sheets, bonded on both sides to a polyurethane core. Fully weld seam between steel sheets to form completely sealed door unit. Provide exposed metal surfaces in specified finish. Provide concealed metal surfaces in prime painted steel. Minimum thickness of stainless steel door face panels shall be 1/8-inch.
- C. Door material to be 316L stainless steel, frame and sub-frame material to be 304 stainless steel. Provided price deduct per door for changing from 316L door to 304 stainless steel.
- D. Design door to open and close manually with less than 15 pounds force applied at the latch side of the door, when installed true and plumb.
- E. Construct frame from minimum 14-gauge stainless steel sheet. Frame corners to have 6-inch radius.
- F. Any required field splices in frames must be field welded after installation by certified welders.
- G. Assemble work using all welded construction. Weld steel to AWS D1.1/D1.1M. Welded joints shall be continuous, of adequate strength and durability with jointing tight and flush. Do not deform the metal work in any way by welding. Ensure compatibility between dissimilar materials.
- H. Weld stainless Steel by Argon Arc process. Fillers, solders or spot welding will not be permitted. Welds to be continuous, crevice free, ground and polished to original #4 satin finish.
- I. Inspect welds in potential leak path with liquid penetrate in accordance with Appendix VIII of Section VIII Division 1 of ASME Code.
- J. Provide frame with suitable anchors for welding to embedded steel plate or with tabs to be welded to embedded sub-frame provide by door Manufacturer.
- K. After fabrication, remove all tool marks and surface imperfections, and dress all welded joints smooth.
- L. Clean and prime surfaces in accordance with industry standard for finish painting.

PART 3 – EXECUTION

3.01 Site Examination and Installation

- A. Manufacturer shall coordinate with PHAC for verification of all dimensions prior to manufacturing any equipment. Manufacturer/contractor shall notify PHAC immediately of any conflicts with the design documents and actual field conditions before modifying the general design layout. Manufacturer is responsible for identification of any modifications to housings to accommodate the installation.
- B. Refer to drawings for general design layout for each door.
- C. Installation (by PHAC)
 - 1. Complete layout for embedded items in a timely fashion. Use templates provided by door Manufacturer to ensure proper incorporation into the work.
 - 2. Coordinate embedded sub-frame with door frame as indicated on approved Shop Drawings, templates, and construction documents.
 - 3. Install work in strict accordance with approved Shop Drawings and recommended installation instructions of the Manufacturer. Position components plumb, level, square, firmly anchored into position and operating in accordance with design criteria.
 - 4. Installation methodology to be provided with submittal, sample provided below:
 - (a) Position door frame into ready-made cut-out in floor. Set door frame vertical (level) and aligned with face of block wall or panel.
 - (b) Drill pilot hole into concrete slab (base) and fix frame to floor with self-tapping concrete anchors.
 - (c) Fill floor cut-out with grout and finish floor. Fill gaps around periphery of door frame with sealing compound.
 - (d) Fit Door leaf and closer
 - (e) Make electrical and pneumatic connections.

3.02 Factory Acceptance Testing

- A. Prior to commencing full production, fabricate one door of each type for quality assurance testing and acceptance by PHAC.
- B. Test to demonstrate air tightness in a laboratory situation. Incorporate the door and frame into an airtight chamber. For each door type create a pressure differential of 10.0 in w.g. between the inside and outside of the chamber. Hold the pressure differential for 20 minutes, under constant temperature.
- C. Acceptable result is no air leakage over 20 minutes.
- D. All APR Doors shall undergo Ultrasonic testing prior to air tightness testing.
- E. Visually demonstrate door operation. Door shall be fully assembled with all security devices and related hardware installed.
- F. Demonstrate under a loss of main compressed air, the individual door bladder will remain inflated and hold its pressure for a minimum of 8 hours without tripping door bladder switch
- G. Accepted door will be standard construction for Work of this Section.
- H. Doors shall prove to be easily cleanable.
- I. Submit FAT procedures 4 weeks prior to test date.
- J. Submit testing apparatus accuracy, precision and calibration data.
- K. Submit instructions for changing door gaskets while wearing gloves and demonstrate during FAT.
- L. If PHAC is unable to attend factory site for acceptance testing, video conference/WebEx will be used where possible. Testing results will be submitted to the PHAC.

3.03 Site Acceptance Testing

- A. The following Site Acceptance Testing will be performed as deemed necessary by PHAC. Vendor responsible to ensure door system will meet and pass the following Site Acceptance Testing procedures.
- B. Operate moving components of the Work of this Section through at least 10 cycles of operation, verifying that each component is properly installed and properly operating.
- C. Perform soap bubble test on each door once building has become fully operational and pressures on opposing sides of the door can be determined as part of Building Commissioning.
- D. Perform boundary integrity test of rooms containing the doors. Success or failure of the test will consider the doors as an integral part of the tightness of the rooms and adjustment of the doors may be necessary to achieve required air pressure resistance.
 - 1. All APR doors shall be capable of becoming integrated into a room that shall be tested for air tightness. The test shall be the USDA BSL-3Ag [PBR] pressure decay testing standard found in the ARS facilities standards 242.1 – ARS Item 9.6 D Testing and Certification of a Containment Room.
 - 2. The acceptance criteria for the room including integrated doors, windows, equipment, mechanical and electrical services, shall be a leak rate not exceeding 7 percent per minute (Logarithmic of pressure against time) over a 20-minute period at 2 in. w.g. Room Pressure shall not fall below 1-inch w.g. at the end of the 20-minute interval.
 - 3. Boundary Integrity Test parameters and results must comply with all criteria for the applied Containment Level within the Canadian Biosafety Standard (2015).
- E. Make required adjustments to achieve optimum ease of operation and airtightness.
- F. System test of all individual door components (security devices, seal operation, piping components, etc.)
- G. Integrated system of door with building systems under varying failure scenarios.
 - 1. Simulated failure of HVAC fans will create an anticipated pressure spike of approximately 5.0 to 7.0 in.wg.
- H. On a loss of main compressed air, the individual door bladder will remain inflated and hold its pressure for a minimum of 8 hours without tripping door bladder switch.

3.04 Chemical Resistance

- A. Doors adjacent to chemical shower areas shall ensure chemical resistance to the following compounds:
 - 1. Ammonium Hydroxide, 28%, Beta-propiolactone, Chromic Acid, 40%, Citric Acid, 1% Cottonseed Oil Detergent Solution, .025%, Dichromate Cleaning Solution,** Diethyl Ether, Distilled Water Ethyl Alcohol, Ethyl Ether, Formaldehyde, 37%, Heptane, Hydrochloric Acid, 37%, Hydrogen Peroxide, 28% Isooctane Kerosine, Methyl Alcohol, Methyl mercury hydroxide, Mineral Oil, Oleic Acid, Olive Oil, Perchloric Acid, 70%, Phenol, 5% Soap Solution, 1% Sodium Carbonate, 20%, Sodium Hydroxide, 50% Sodium Hypochlorite, 5% Sodium Hypochlorite, 5.25%, Toluene, Transformer Oil, Trizol, Turpentine, Xylene

3.05 Cleaning

- A. All surfaces shall be cleaned of dirt, scale, rust, mold, sand, etc. by brushing, scraping, or grinding.
- B. Welds shall be chipped and buffed to remove slag, weld, spatter, etc.
- C. All tools for cleaning including wire wheels, grinding disks, sanding disks, buffing wheels used on stainless steel surfaces shall be of materials specifically designed for use on the specified stainless steel.
- D. All stainless steel surfaces shall be mechanically cleaned and degreased and sharp edges rounded to allow cleanability after installation.

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- E. Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment. Clean aluminum and stainless steel with damp rag and approved non-abrasive cleaner in accordance with Manufacturer's instructions.
- F. Remove traces of primer, caulking; clean doors and frames.
- G. Clean glass and glazing materials with approved non-abrasive cleaner.

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ANNEX "B"

BASIS OF PAYMENT

It is **MANDATORY** that Bidders submit firm prices/rates for the period of the proposed Contract for all items listed hereafter. **This section, when completed, will be considered as the Bidder's financial proposal.**

Bidders shall provide bids as per unit of issue requested. It is the responsibility of the bidder to provide conversion to the unit of issue requested. Failure to do so will render the bid non-responsive without further consideration.

Should there be an error in the extended pricing of the Bidder's proposal, the unit pricing shall prevail and the extended pricing shall be corrected in the evaluation. Any errors in the quantities of the Bidder's proposal shall be changed to reflect the quantities stated in the RFP.

Rates quoted must remain firm for the period of the Contract. Rates **MUST** include ALL costs associated with providing the service in accordance with the Requirement, Annex "A" attached herein. GST, if applicable, is to be shown as a separate item on any resulting invoice. Payment will be made in accordance with the following pricing.

Delivery Address: Public Health Agency of Canada (PHAC)
Unit 41 - 820 Berry Street (warehouse)
Winnipeg, MB R3H 1H2

Broker Information: *TBD*

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PRICING SCHEDULE 1: All the deliverables must be received on or before 31 December 2018.

ITEM NO.	DESCRIPTION	QTY	UNIT OF ISSUE	FIRM UNIT PRICE	EXTENDED PRICE
1	Type D2 - Air Pressure Resistant (APR) Doors, frames and hardware (Refer to attached drawings)	2	each	\$	\$
				Subtotal (i):	\$

PRICING SCHEDULE 2: While delivery is requested by March 31, 2019, the best delivery that could be offered is _____.

ITEM NO.	DESCRIPTION	QTY	UNIT OF ISSUE	FIRM UNIT PRICE	EXTENDED PRICE
2	Type D1 - Air Pressure Resistant (APR) Doors, frames and hardware (Refer to attached drawings)	2	each	\$	\$
				Subtotal (ii):	\$

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PRICING SCHEDULE 3: OPTIONAL GOODS (The Contracting Authority may exercise the option at any time before the expiry of the Contract)

ITEM NO.	DESCRIPTION	QTY	UNIT OF ISSUE	FIRM UNIT PRICE	EXTENDED PRICE
3	Type D1 - Air Pressure Resistant (APR) Doors, frames and hardware (Refer to attached drawings)	2	each	\$	\$
4	Type D2 - Air Pressure Resistant (APR) Doors, frames and hardware (Refer to attached drawings)	2	each	\$	\$
				Subtotal (iii):	\$

TOTAL EVALUATED PRICE: Subtotal (i) + (ii) + (iii) = \$ _____

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ANNEX "C" to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

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

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "D"

MANDATORY TECHNICAL CRITERIA

<p>Bidder's Cross Reference and/or Response (SIR – Supplemental Information Reference): In this column, Bidder is to cross-reference where this criteria/requirement is indicated in their proposal. If applicable, Bidder may indicate how they meet the criteria addressed below, by recording this information in this column.</p>		
ITEM	DESCRIPTION	BIDDER'S CROSS REFERENCE AND/OR RESPONSE (SIR)
A	<p>To be considered responsive, a bid must demonstrate compliance with all of the mandatory criteria at BID CLOSING. Bidders must demonstrate their ability to meet those requirements. The proposals will be evaluated on the basis of the following criteria on a simple pass or fail basis, therefore, Bidders are advised to address each area in sufficient depth to show compliance. Proposals which do not give sufficient information will be considered to be non-responsive. Failure by Bidders to meet the mandatory requirements will render the Bidder's proposal non-responsive and will be given no further consideration in the evaluation process.</p> <p><u>What's Expected in Bidder's Proposal for all Mandatory Technical Criteria:</u></p> <p>It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.</p> <p>Bidders are requested to submit certifications, declarations and/or proof documents that substantiate information as part of their bid. If these documents are not provided at bid closing, the Contracting Authority will notify the Bidder that they have 2 business days to provide the requested documents. Failure to do so, and the Bidder will be deemed non-responsive and given no further consideration.</p>	
1.	DESIGN PERFORMANCE REQUIREMENTS	
1.1	All APR Doors shall be swing type doors. Doors shall be capable of swinging open 180 degrees; typical operation will be just over 90 degrees.	

Bidder's Cross Reference and/or Response (SIR – Supplemental Information Reference):	
In this column, Bidder is to cross-reference where this criteria/requirement is indicated in their proposal. If applicable, Bidder may indicate how they meet the criteria addressed below, by recording this information in this column.	
ITEM	DESCRIPTION
1.2	Pneumatic APR doors to be complete with frame, adjustable hinges, inflatable bladder-type gaskets that serve to biologically seal door, and electromagnetic locking device to secure door.
1.3	Pneumatic Doors in CL3 and CL4 shall be capable of performance when the pressure difference from positive side to negative side of door is 10.0 in w.g. (0.361 psig, 2500 Pa).
1.4	Maximum deflection of components to be limited to a maximum of L/240 at 6.0 ins. w.g. pressure and all components shall withstand this pressure in either direction without damage or loss of pressure.
1.5	Exposed surfaces within the laboratory must be resistant to formaldehyde gas and vaporized hydrogen peroxide decontamination, as well as 5% Microchem solution for the shower doors, and the chemical resistivity list outlined in section 3.04 A.1
	BIDDER'S CROSS REFERENCE AND/OR RESPONSE (SIR)

Bidder's Cross Reference and/or Response (SIR – Supplemental Information Reference): In this column, Bidder is to cross-reference where this criteria/requirement is indicated in their proposal. If applicable, Bidder may indicate how they meet the criteria addressed below, by recording this information in this column.		
ITEM	DESCRIPTION	BIDDER'S CROSS REFERENCE AND/OR RESPONSE (SIR)
2.	QUALITY ASSURANCE Provide evidence that manufacturer has been engaged in the manufacture and installation of air pressure resistant doors for a minimum of last 10 years, and is known to be responsible for satisfactory installations of similar doors in similar type facilities to that specified. Vendor must provide experience record listing a minimum of 3 projects in which they have provided equipment specifically for the function of CL4 and /or BSL-4 APR Doors with pneumatic bladder seals.	
2.1		
2.2	Welding shall comply with the provisions of the following: AWS Structural Welding Code. ASME Structural Welding Code Section IX or international equivalent.	

Bidder's Cross Reference and/or Response (SIR – Supplemental Information Reference): In this column, Bidder is to cross-reference where this criteria/requirement is indicated in their proposal. If applicable, Bidder may indicate how they meet the criteria addressed below, by recording this information in this column.		
ITEM	DESCRIPTION	BIDDER'S CROSS REFERENCE AND/OR RESPONSE (SIR)
3.	SUBMITTALS	
3.1	Product Data: <ol style="list-style-type: none"> Submit Manufacturer's instructions, printed product literature and data sheets for door and include product characteristics, performance criteria, physical size, and finish and limitations. Documentation must be in English. Electrical Requirements. Description of locking mechanism. Method for replacing gaskets. 	
3.2	Design Data: <ol style="list-style-type: none"> Design Calculations. Show conformance with the specified pressure loading requirements, impact requirements or certified test reports from an accredited independent testing laboratory. 	
4.	MANUFACTURERS	
4.1	Manufacturers are subject to compliance with requirements. Provide products by the following manufacturers or equal to : Metall + Plastic Presray PBSC LTD Walz & Krenzer Sealeck	

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Bidder's Cross Reference and/or Response (SIR – Supplemental Information Reference):		
In this column, Bidder is to cross-reference where this criteria/requirement is indicated in their proposal. If applicable, Bidder may indicate how they meet the criteria addressed below, by recording this information in this column.		
ITEM	DESCRIPTION	BIDDER'S CROSS REFERENCE AND/OR RESPONSE (SIR)
5.	MATERIALS	
5.1	Sheet Steel: ASTM A607	
5.2	Steel plate and shapes: ASTM A36	
5.3	Structural bars, rounds and flats: ASTM A108, Grade 1019.	
5.4	Stainless steel sheet or plate: ASTM A240, type 316	

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ITEM	DESCRIPTION	BIDDER'S CROSS REFERENCE AND/OR RESPONSE (SIR)
5.5	Stainless steel structural shapes, bars, rounds and flats: ASTM A276, Type 316.	
5.6	Gaskets: solid silicone or other elastomer seal of durometer 25 shore A hardness.	
5.7	Sealants: Manufacturer recommended epoxy – chemical resistant as specified at the end of this Section "Material Resistance."	
5.8	Glazing: Two ply laminated, interlayer PVB, both ply fully tempered, 1/4" or 1/2" thickness.	
5.9	Glazing sealant: Manufacture recommended silicone – chemically resistant as specified at the end of this Section.	

Bidder's Cross Reference and/or Response (SIR – Supplemental Information Reference): In this column, Bidder is to cross-reference where this criteria/requirement is indicated in their proposal. If applicable, Bidder may indicate how they meet the criteria addressed below, by recording this information in this column.		
ITEM	DESCRIPTION	BIDDER'S CROSS REFERENCE AND/OR RESPONSE (SIR)
6.	CHEMICAL RESISTANCE Doors adjacent to chemical shower areas shall ensure chemical resistance to the following compounds: Ammonium Hydroxide, 28%, Beta-propiolactone, chromic Acid, 40%, Citric Acid, 1% Cottonseed Oil Detergent Solution , .025%, Dichromate Cleaning solution, ** Diethyl Ether, Distilled Water Ethyl Alcohol, Ethyl Ether, Formaldehyde, 37%, Heptane, Hydrochloric Acid, 37%, Hydrogen Peroxide, 28%, Isooctane kerosene, Methyl Alcohol, Methyl mercury hydroxide, Mineral Oil, Oleic Acid, Olive Oil, Perchloric Acid, 70%, Phenol, 5% soap Solution, 1% Sodium Carbonate, 20%, Sodium Hydroxide, 50% Sodium Hypochlorite, 5% Sodium Hypochlorite, 5.25%, Toluene, Transformer Oil, Trizol, Turpentine, Xylene.	
6.1		

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ANNEX "E"

PWGSC-TPSGC 1111, CLAIM FOR PROGRESS PAYMENT FORM

Reference attached PDF document titled, "Annex E".



Claim for Progress Payment Demande de paiement progressif

If necessary, use form PWGSC-TPSGC 1112 to record detail costs
Si nécessaire, utiliser le formulaire PWGSC-TPSGC 1112 pour inscrire les coûts détaillés

Contractor's Name and Address Nom et adresse de l'entrepreneur	Claim No. N° de la demande	Date YYYY-MM-DD / AAAA-MM-JJ	Contract Price - Prix contractuel
	File No. - N° du dossier		Contract Serial No. N° de série du contrat
Contractor's Procurement Business Number (PBN) Numéro d'entreprise-appvisionnement (NEA) de l'entrepreneur		Financial Code(s) - Code(s) financier(s)	

Contractor's Report of Work Progress (if needed, use additional sheets)
Compte rendu de l'avancement des travaux par l'entrepreneur (si nécessaire, utiliser des feuilles supplémentaires)

Period of work covered by the claim Période des travaux visée par la demande ▶	Current Claim Demande courante		Previous Claims Demandes précédentes		Total to Date Total à date (A + B)
	(A)	Tax Rate Taux de taxe	(B)	Tax Rate Taux de taxe	
Description: (Expenditures must be claimed in accordance with the basis and/or method of payment of the contract) Description : (Les dépenses doivent être réclamées conformément à la base de paiement et (ou) à la méthode de paiement du contrat).		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
		%		%	
Contractor's GST No. N° de TPS de l'entrepreneur	Subtotal Sous-total				
Contractor's QST No. No. de TVQ de l'entrepreneur	Applicable taxes Taxes applicables				
Total					
Less holdbacks on expenditures only (Applicable taxes excluded) Moins les retenues sur les dépenses uniquement (Taxes applicables en sus)					

Total Amount of Claim (including applicable taxes)
Montant total de la demande (incluant les taxes applicables)

Percentage of the work completed Pourcentage des travaux achevés	%	Current Claim Demande courante	▶	Amount due Montant dû
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Claim No.
N° de la demande

Contract Serial No.
N° de série du contrat

CERTIFICATE OF CONTRACTOR

ATTESTATION DE L'ENTREPRENEUR

I certify that:

- All authorizations required under the contract have been obtained. The claim is consistent with the progress of the work and is in accordance with the contract.
- Indirect costs have been paid for or accrued in the accounts.
- Direct materials and the subcontracted work have been received, accepted and either paid for or accrued in the accounts following receipt of invoice from supplier/subcontractor, and have been or will be used exclusively for the purpose of the contract.
- All direct labour costs have been paid for or accrued in the accounts and all such costs were incurred exclusively for the purpose of the contract;
- All other direct costs have been paid for or accrued in the accounts following receipt of applicable invoice or expense voucher and all such costs were incurred exclusively for the purpose of the contract; and
- No liens, encumbrances, charges or other claims exist against the work except those which may arise by operation of law such as a lien in the nature of an unpaid contractor's lien and in respect of which a progress payment and/or advance payment has been or will be made by Canada.

J'atteste que :

- Toutes les autorisations exigées en vertu du contrat ont été obtenues. La demande correspond à l'avancement des travaux et est conforme au contrat.
- Les coûts indirects ont été réglés ou portés aux livres.
- Les matières directes et les travaux de sous-traitance ont été reçus, et le tout a été accepté et payé, ou encore porté aux livres après réception de factures envoyées par le fournisseur ou le sous-traitant; ces matières et ces travaux ont été ou seront utilisés exclusivement aux fins du contrat.
- Tous les coûts de la main-d'oeuvre directe ont été réglés ou portés aux livres et tous ces coûts ont été engagés exclusivement aux fins du contrat.
- Tous les autres coûts indirects ont été réglés ou portés aux livres après réception des factures ou pièces justificatives pertinentes et tous ces coûts ont été engagés exclusivement aux fins du contrat.
- Il n'existe aucun privilège ni demande ou imputation à l'égard de ces travaux sauf ceux qui pourraient survenir par effet de la loi, notamment le privilège d'un entrepreneur non payé à l'égard duquel un paiement progressif et(ou) un paiement anticipé a été ou sera effectué par le Canada.

Contractor's Signature - Signature de l'entrepreneur

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

Check the box if the claim is being made with respect to advance payment provisions included in the basis of payment of the contract.

Cocher la case si la demande est faite en rapport avec les dispositions relatives aux paiements anticipés qui se trouvent dans la base de paiement du contrat.

This claim, or a portion of this claim, is for an advance payment.

Cette demande, ou une partie de cette demande, est pour un paiement anticipé.

I certify that:

- The funds received will be used solely for the purpose of the contract and attached is a complete description of the purpose to which the advance payment will be applied.
- The amount of the payment is established in accordance with the conditions of the contract.
- The contractor is not in default of its obligations under the contract.
- The payment is related to an identifiable part of the contractual work.

J'atteste que :

- Les fonds reçus ne serviront uniquement qu'aux fins du contrat; ci-joint est une description complète des fins auxquelles le paiement anticipé sera utilisé.
- Le montant du paiement est établi conformément aux conditions du contrat.
- L'entrepreneur n'a pas manqué à ses obligations en vertu du contrat.
- Le paiement porte sur une partie identifiable des travaux précisés dans le contrat.

Contractor's Signature - Signature de l'entrepreneur

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

CERTIFICATES OF DEPARTMENTAL REPRESENTATIVES

Scientific/Project/Inspection Authority: I certify that the work meets the quality standards required under the contract, and its progress is in accordance with the conditions of the contract.

Inspection Authority (all other contracts): I certify that the quality of the work performed is in accordance with the standards required under the contract.

ATTESTATIONS DES REPRÉSENTANTS DU MINISTÈRE

Autorité scientifique ou responsable du projet / de l'inspection : J'atteste que les travaux sont conformes aux normes de qualité exigées en vertu du contrat et que leur avancement est conforme aux conditions du contrat.

Responsable de l'inspection (tous les autres contrats) : J'atteste que la qualité des travaux exécutés est conforme aux normes exigées en vertu du contrat.

Signature of Scientific / Project / Inspection Authority
Signature de l'autorité scientifique ou responsable du projet / de l'inspection

Date (YYYY-MM-DD / AAAA-MM-JJ)

PWGSC Contracting Authority: I certify that, to the best of my knowledge, the claim is consistent with the progress of the work and is in accordance with the contract. This claim, however, may be subject to further verification and any necessary adjustment before final settlement.

Autorité contractante de TPSGC : J'atteste, au meilleur de ma connaissance, que la demande correspond à l'avancement des travaux et est conforme au contrat. Toutefois, cette demande pourrait faire l'objet d'une autre vérification et de tout rajustement nécessaire avant le règlement final.

Contracting Authority Signature de l'autorité contractante

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

Client's Authorized Signing Officer - (must sign the interim claim): I certify that the claim is in accordance with the contract.

Signataire autorisé du client - (doit signer la demande provisoire) : J'atteste que la demande est conforme au contrat.

Client Signature du client

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)

Client's Authorized Signing Officer - (must sign the final claim): I certify that all goods have been received and all services have been rendered, that the work has been properly performed and that the claim is in accordance with the contract.

Signataire autorisé du client - (doit signer la demande finale) : J'atteste que tous les biens ont été reçus, que tous les services ont été rendus, que tous les travaux ont été exécutés convenablement, et que la demande est conforme au contrat.

Client Signature du client

Title - Titre

Date (YYYY-MM-DD / AAAA-MM-JJ)