



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving
PWGSC
33 City Centre Drive
Suite 480C
Mississauga
Ontario
L5B 2N5
Bid Fax: (905) 615-2095**

**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 Prover	
Solicitation No. - N° de l'invitation U6322-164071/C	Date 2016-06-01
Client Reference No. - N° de référence du client U6322-164071	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-224-7114	
File No. - N° de dossier TOR-5-38166 (224)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-06-27	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
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: Juan, Peggy	Buyer Id - Id de l'acheteur tor224
Telephone No. - N° de téléphone (905) 615-2467 ()	FAX No. - N° de FAX (905) 615-2060
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF INDUSTRY CANADA Measurement Canada Ontario Regional Office 232 Yorktech Drive Markham Ontario L6G1A6 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
Ontario Region
33 City Centre Drive
Suite 480
Mississauga
Ontario
L5B 2N5

Delivery Required - Livraison exigée 2016-10-28	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

This bid solicitation cancels and supersedes previous bid solicitation number U6322-164071/B dated 2016-03-14 with a closing of 2016-04-25 at 2:00PM. A debriefing or feedback session will be provided upon request to bidders who bid on the previous solicitation.

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	2
1.1 REQUIREMENT	2
1.2 DEBRIEFINGS	2
1.3 TRADE AGREEMENTS	2
PART 2 - BIDDER INSTRUCTIONS	3
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	3
2.2 SUBMISSION OF BIDS	3
2.3 FORMER PUBLIC SERVANT.....	3
2.4 ENQUIRIES - BID SOLICITATION.....	5
2.5 APPLICABLE LAWS.....	5
PART 3 - BID PREPARATION INSTRUCTIONS	6
3.1 BID PREPARATION INSTRUCTIONS	6
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	7
4.1 EVALUATION PROCEDURES.....	7
4.2 BASIS OF SELECTION – MANDATORY TECHNICAL CRITERIA.....	7
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	8
5.1 CERTIFICATIONS REQUIRED WITH THE BID	8
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	8
PART 6 - RESULTING CONTRACT CLAUSES	10
6.1 SECURITY REQUIREMENTS	10
6.2 REQUIREMENT	10
6.3 STANDARD CLAUSES AND CONDITIONS.....	10
6.4 TERM OF CONTRACT	10
6.5 AUTHORITIES	10
6.6 PROACTIVE DISCLOSURE OF CONTRACTS WITH FORMER PUBLIC SERVANTS	11
6.7 PAYMENT	11
6.8 INVOICING INSTRUCTIONS	12
6.9 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	12
6.10 APPLICABLE LAWS.....	12
6.11 PRIORITY OF DOCUMENTS	13
6.12 SACC <i>MANUAL</i> CLAUSES	13
6.13 INSURANCE	13
ANNEX A REQUIREMENT	14
ANNEX B BASIS OF PAYMENT.....	18
ANNEX C CERTIFICATIONS	19
ANNEX “D” TO PART 3 OF THE BID SOLICITATION	20

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
File No. - N° du dossier
tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Article **2** of the resulting contract clauses.

1.2 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.

1.3 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA) and the Agreement on Internal Trade (AIT).

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](#) (2016-04-04) 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: 90 days

2.2 Submission of Bids

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

2.3 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: 2012-2](#) 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.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
File No. - N° du dossier
tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 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.

2.5 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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their 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 copy)

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 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](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). 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 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. The total amount of Applicable Taxes must be shown separately.

3.1.1 Electronic Payment of Invoices – Bid

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

If Annex "D" 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.

3.1.2 Exchange Rate Fluctuation

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications 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

Any proposal which fails to meet the following mandatory requirements will be deemed non-responsive and will receive no further consideration.

M.1 Bidder must provide 2 examples of projects that demonstrate experience in building LPG (Liquified Petroleum Gas) measuring systems and associated test equipment.

M.2 Bidder must provide 2 references and their contact information for projects that demonstrate experience in building and installation of LPG (Liquified Petroleum Gas) measuring systems and associated test equipment.

4.1.2 Financial Evaluation

4.1.2.1 Bidder must submit pricing in accordance with Annex B, Basis of Payment.

4.1.2.2 The evaluated price will be the Firm Lot Price in Annex B, Basis of Payment.

4.1.2.3 *SACC Manual* Clause [A0220T](#) (2014-06-26), Evaluation of Price

4.2 Basis of Selection – Mandatory Technical Criteria

- 4.2.1** 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. 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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politiquepolicy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, 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 – List of Names

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.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

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 (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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.

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
File No. - N° du dossier
tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

5.2.3 OEM Certification

Any Bidder that is not the Original Equipment Manufacturer (OEM) for every item of hardware proposed as part of its bid is required to submit the Annex C OEM's certification regarding the Bidder's authority to provide and maintain the OEM's hardware, which must be signed by the OEM (not the Bidder). No Contract will be awarded to a Bidder who is not the OEM of the hardware it proposes to supply to Canada, unless the OEM certification has been provided to Canada. Bidders are requested to use the OEM Certification Form included with the bid solicitation. Although all the contents of the OEM Certification Form are required, using the form itself to provide this information is not mandatory. For Bidders/OEMs who use an alternate form, it is in Canada's sole discretion to determine whether all the required information has been provided. Alterations to the statements in the form may result in the bid being declared non-responsive.

If the hardware proposed by the Bidder originates with multiple OEMs, a separate OEM certification is required from each OEM.

For the purposes of this bid solicitation, OEM means the manufacturer of the hardware, as evidenced by the name appearing on the hardware and on all accompanying documentation.

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 There is no security requirement applicable to this Contract.

6.2 Requirement

6.2.1 The Contractor must provide the items detailed under the "Requirement" at Annex "A".

6.3 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.

6.3.1 General Conditions

[2010A](#) (2016-04-04), General Conditions - Goods (Medium 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 December 31, 2016.

6.4.2 Delivery Date

All the deliverables must be received on or before October 28, 2016.

6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Peggy Juan
Supply Team Leader
Public Works and Government Services Canada
Ontario Region - Acquisitions
Address: 33 City Centre Drive – Suite 480C, Mississauga, Ontario L5B 2N5
Telephone: 905-615-2467
Facsimile: 905-615-2060
E-mail address: peggy.juan@pwgsc.gc.ca

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
File No. - N° du dossier
tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

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:

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone : _____
Facsimile: _____
E-mail address: _____

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.

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone : _____
Facsimile: _____
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 – Firm Lot Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price, as specified in Annex B for a cost of \$ _____ (insert the amount at contract award). 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.

6.7.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

6.7.3 Single Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

6.7.4 Electronic Payment of Invoices – Contract (if applicable)

(Insert the following clause, if applicable, where payment of invoices will be made using electronic payment instruments, Refer to Annex "X" Electronic Payment Instruments, where the Bidder indicated which electronic payment instruments are accepted.

Contracting officers must reproduce below, the information from Annex "X" Electronic Payment Instruments, in which were identified electronic payment instruments accepted by the Contractor and renumber accordingly.)

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

- 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)

6.8 Invoicing Instructions

1. 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.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.9 Certifications and Additional Information

6.9.1 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.

6.10 Applicable Laws

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

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
File No. - N° du dossier
tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

6.11 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 2010A (2016-04-04), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____ (*insert date of bid*).

6.12 SACC Manual Clauses

A9068C (2010-01-11) Government Site Regulations

6.13 Insurance

G1005C (2008-05-12) Insurance

Annex A Requirement

1.0 Purpose

1.1 This specification document outlines the requirements and the essential component configuration necessary for the design and build of mobile proving equipment intended for the inspection & evaluation of truck-mounted liquid propane delivery systems as well as motor fuel dispensers.

2.0 General

- 2.1 The basic proving equipment required under this contract consists of a storage tank, load cells and an electronic scale packaged on a tandem axle trailer. The prover's operation is based on a mass-to-volume comparison between product delivered to the prover and the device under test.
- 2.2 The final configuration of the proving unit must have a maximum operational weight of 2050 kg (4500 lbs), and must be suitable for continuous outdoor operation in all weather conditions and temperatures.
- 2.3 The contractor must be responsible for positioning all equipment so that there is no interference from other equipment while in use.
- 2.4 Unless otherwise specified by the Project Authority, the contractor must be responsible for the fabrication and supply of all items listed in the specifications.

3.0 Trailer Frame and Axles specifications must include:

- 3.1 The trailer frame must be constructed of 6" x 4" x 3/16" galvanized steel tubing or suitable equivalent as determined by the Project Authority, HD welded construction in accordance with all applicable road transportation & industry fabrication codes and requirements.
- 3.2 Trailer frame must incorporate 3 HD hand-operated, levelling jacks that can be rotated and locked during transport including:
 - 3.2.1 1 front-mounted on trailer tongue;
 - 3.2.2 2 rear-mounted; 1- Right Hand, 1-Left Hand.

3.0 Trailer Frame and Axles specifications must include: (cont'd)

- 3.3 The frame must be suitably-constructed to eliminate any deflection when the prover is at maximum weight when supported by levelling jacks.
- 3.4 Frame construction must include 2 permanently-mounted weather-proof level indicators; 1 longitudinal axis, and 1 horizontal axis.
- 3.5 Axles must be Dual-axle torsion style suspension, 5000 lb rating ea; low-profile.
- 3.6 Axles equipped with electric brakes with onboard safety brake disconnect located on trailer tongue.
- 3.7 Must have a minimum 14" wheel diameter, HD long-life trailer tires and mounted spare wheel and tire assembly.
- 3.8 All axles are to be equipped with external grease fittings and caps.
- 3.9 Must have Class III 2" ball-type coupler, 2 safety chains, 7-pin SAE-type trailer connection.

4.0 Trailer General specifications must include:

- 4.1 Trailer must be constructed to be fully enclosed, with lockable weather-sealed access doors.
- 4.2 All trailer lights and marker lights to be LED; locations in accordance with applicable provincial or federal road transport requirements.
- 4.3 One 50' self-retracting ground indication bonding reel with integrated failsafe indication to be located inside enclosure at rear of unit.
- 4.4 Fenders are Heavy-Duty galvanized steel or stainless steel construction that can support 100kg of test standards without deflection.
- 4.5 Trailer enclosure to be constructed from aluminum light-weight panel.
- 4.6 Trailer enclosure frame to be aluminum square tube welded construction.

- 4.7 Two side operator access doors must be of the lockable (common key) "roll-up type" suitable for inclement weather use. *note: sample pictures do not show roll-up doors
- 4.8 Two rear operator access doors must be lockable (common key), center-opening hinged and swing style which incorporate gas cylinder assist to remain open under operational conditions.
- 4.9 Left-hand Rear operator access door must have lockable (common key) secondary access door suitable to provide clear operator view of scale indicator when doors are closed.
- 4.0 Trailer General specification must include: (cont'd)
- 4.10 All access doors must be effectively weather-sealed to ensure no water penetration during operation, transport or storage; all access doors must remain operational in all weather conditions.
- 4.11 Trailer interior and exterior to be primed and painted light tan colour as per sample pictures provided with suitable automotive-grade, petroleum-resistant exterior enamel or equivalent.
- 4.12 Trailer interior to include suitable provisions for 2 test weight storage (1 at right hand side and 1 at left hand side); must be constructed to secure against movement during transport and oriented as close to side-access doors as possible. See attached pictures for general orientation layout.
- 4.13 Contractor must supply 20lb dry chemical fire extinguisher and its storage and transport in the trailer interior.
- 4.14 Trailer enclosure must include permanently-open venting suitable for Liquefied Petroleum Gas (Propane) application.
- 4.15 Trailer max. length: 15'-8" (incl. tongue); max. width: 7'-9"; max. height: 5'-6"
- 5.0 General Piping, Hose Reel & Storage Tank specifications must include:
- 5.1 All piping, fittings, and equipment must meet the requirements of all applicable Federal and Provincial safety codes including CAN/CSA B149.1 "Natural Gas and Propane Installation Code" and CAN/CSA B149.5 "Installation Code for Propane Fuel Systems and Tanks on Highway Vehicles".
- 5.2 All valves, piping and associated handling equipment must be CGA/CSA approved for liquid propane use and incorporate hydrostatic relief valves as required; must be 250 psi relief pressure.
- 5.3 Storage tank is to be supplied as per attached 'Manchester Tank' specification drawing and modification list; modifications to standard tank must be in accordance with applicable certified welding requirements for pressure vessels. The modifications to the Manchester tank are as follows:
- Weld 2 new 1-1/4" FNTP half-couplings, (1) bottom centre for tank outlet and (1) on side to replace OEM 3/4" fill coupling.
- 5.4 The prover must be equipped with a rear-mounted motorized hose reel; 1" ID x 100ft LP Gas Hose - CGA Type I, UL21 or equivalent as determined by the Project Authority; 1-1/2" FNPT swivel inlet; 1" FNPT outlet; minimum working pressure rating 350psi. 110 V AC motor and start/stop switch for C1 Div1 grp D, top mounted hose reel guide.
- 5.5 Product return hose must be equipped with 1" High-Flow Low-Emission hose end delivery valve with swivel capability.
- 5.6 Piping layout requirements as per attached general schematic.
- 5.7 All 1-3/4" ACME fittings and adapters to incorporate safety cap with chain.
- 6.0 Pump/Motor and Piping considerations must include:
- 6.1 Prover configuration must allow for liquid fill connection from rear of unit.
- 6.2 System LPG pump, 1-1/4" FNPT, 1HP C11 Div1 motor; Blackmer model LGRLF; to be installed with suitable start/stop switch.
- 6.3 LPG pump assembly and electrical connection to be supported by weighbridge assembly (as specified in 9.0).
- 6.4 Liquid Fill Line:
- 6.4.1 Utilize 1-3/4" ACME inlet adapter incorporating 1-1/4" ball valve and Fisher D200 1-3/4" double check valve or equivalent; 1" ID piping.
- 6.4.2 Install 1/4" bleed valve in nipple between ACME fitting and ball valve to facilitate venting of product when hose connection is removed.

- 6.4.3 Liquid fill line must be suitably-located for access from rear of unit (see attached pictures).
- 6.5 Vapour Line:
- 6.5.1 Install excess flow valve, 3/4" X 3/4" FNPT; Fisher F170 or equivalent.
- 6.5.2 Install with 1-1/4" M ACME x 3/4" MNPT brass adapter Fisher M498-6 or equivalent.
- 6.5.3 All vapour line piping 3/4" unless otherwise specified; layout to suit final installation configuration.
- 6.5.4 Vapour line must be suitably-located for access from rear of unit (see attached pictures).
- 6.6 Pump Bypass to Liquid Fill Line:
- 6.6.1 Install bypass valve; 3/4" FNPT suitable for 1-1/4" LPG pump; Blackmer BV3/4 or equivalent
- 6.6.2 All bypass piping 3/4" unless otherwise specified; layout to suit final installation configuration.
- 6.0 Pump/Motor and Piping considerations must include: (cont'd)
- 6.7 Pump Discharge Line to Hose Reel:
- 6.7.1 LP hose assembly; 1" ID x 1" MNPT, stainless steel, length to suit final installation configuration; 350 psi min. working pressure; Gates 3220 or equivalent.
- 6.7.2 Hose end valve; 1" FNPT x 1-3/4" F. ACME ; Fisher N481 or equivalent.
- 6.7.3 filler valve; double check, 1-3/4" M ACME x 1-1/2" MNPT; Rego 7579S or equivalent.
- 6.8 Tank Outlet to Pump Outlet Line:
- 6.8.1 Internal valve, 1-1/4" MNPT x 1-1/4" FNPT complete with latch/remote cable control; Fisher C208-10 or equivalent
- 6.9 Tank Outlet to Pump Outlet Line: (cont'd)
- 6.9.1 Install 1-1/4" union; Y type strainer 1-1/4" FNPT w/1/16" mesh screen.
- 6.9.2 Install 1-1/4" nipple; length to suit final installation configuration.
- 6.10 Hydrometer Pressure Jar to Pump Suction Line:
- 6.10.1 LP hose assembly, 3/4" ID x 3/4" MNPT ends, length to suit; 350 psi minimum working pressure.
- 6.10.2 Piping to suit Hydrometer Jar connection to pump suction side (Hydrometer Jar to be supplied by Measurement Canada as a supplementary component after the contractor delivers the Prover).
- 6.10.3 Install LP hose end valve, 3/4" FNPT ball valve and 1/4" vent valve.
- 6.10.4 Install adapter; 1-3/4" F ACME x 3/4" MNPT; Fisher M215 or equivalent
- 6.10.5 Install adapter; 1-3/4" M ACME x 1/4" FNPT connection to Hydrometer Jar
- 6.10.6 Piping 3/4" unless otherwise specified; layout to suit final installation configuration
- 7.0 Instrumentation and Electrical specifications must include:
- 7.1 Electronic mass indicator; remote mounted for visibility via small access door on rear Left-Hand operator access door; C11 Div1 approved; Mettler-Toledo "Puma" PXN120000 or equivalent
- 7.2 3 self-aligning 500lb stainless steel tension mount load cells & junction box; Mettler-Toledo 0978 or equivalent; cabling and installation to suit as per attached schematic in accordance with C11 Div1 requirements.
- 7.3 Electrical cable; 10 gauge/3 wire x 150 ft; complete with 20A 120V plug (free end) and industrial-grade C11 Div1 GFCI to be installed in front-mounted equipment-storage box (as detailed in 8.0).
- 8.0 Equipment/Storage Box specifications must include:
- 8.1 Front-mounted equipment box, aluminum 'Diamond Plate' welded construction, suitably-sized to incorporate the following:
- 8.1.1 150 ft electrical cable & GFCI unit (as detailed in 7.3).
- 8.1.2 6 x 24" bright orange safety cones stacked (supplied by contractor).
- 8.1.3 2 x rubber wheel safety chocks (supplied by contractor).
- 8.1.4 4-way lug wrench (supplied by contractor).
- 8.1.5 tool box (will be supplied by Measurement Canada).

- 8.1.6 Two 24"x 18" x 12" portable equipment totes (will be supplied by Measurement Canada).
- 8.2 Two side hinged front-open access doors, lockable (common key) and weather-sealed to prevent water penetration during operation, transport or storage.
- 8.3 Refer to attached drawings and pictures for sample orientation and layout.
- 9.0 Scale Weighbridge specifications must include:
- 9.1 Contractor must fabricate and supply weighbridge assembly suitable for support of LPG storage tank; refer to attached drawings for general layout requirements.
- 9.2 Weighbridge suitably constructed to facilitate contractor-supplied tension-style load cells (as detailed in 7.2).
- 9.3 Weighbridge construction must be 2"x2" steel sq. tubing; welded construction; primed and painted safety yellow.
- 9.4 Weighbridge fabricated to ensure no deflection during unlocked operation with LPG tank filled to maximum water capacity.
- 9.5 Weighbridge must include means to lockpin-in-place during transport to prevent movement.
- 9.6 Weighbridge assembly must be free-floating with no interference with onboard equipment or support frame during operation.
- 10 Inspection, Testing, Certification and Delivery
- 10.1 Contractor to perform a Measurement Canada-witnessed nitrogen leak test (200psi) of completed unit at the Contractor's premise; the completed unit must maintain pressure for a minimum of 60 minutes during this test.
- 10.2 Contractor is responsible for all certifications required for LP Pressure Vessel modifications, Transport Canada LG Pressure Vessel (V, K, P), Provincial trailer safety certification, registration and licensing.
- 10.3 Contractor must arrange for Measurement Canada witness inspection during fabrication to assess performance and component orientation of unit in order to ensure Measurement Canada's acceptance of component installation and orientation.
- 10.4 Subsequent to acceptance by Measurement Canada Project Authority at the Contractor's location, completed unit must be delivered to:

Measurement Canada Regional Office
232 Yorktech Drive, Markham ON L6G 1A6

Attachment 1 – Sample Pictures (4 pages)

Attachment 2 – General Layout (1 page)

Attachment 3 – General Piping Layout (1 page)

Attachment 4 – Manchester Tank (1 page)

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
File No. - N° du dossier
tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

ANNEX B BASIS OF PAYMENT

Pricing must be firm all inclusive lot price including inspection testing, certification, transportation and delivery, FOB Destination, Markham, Ontario. GST/HST is excluded, if applicable.

Deliverables

Supply, installation and delivery of one Mobile Proving System as described in Annex A.

All-inclusive Firm Lot Price

\$ _____ **GST/HST extra**
(Note to Bidder: Firm Lot Price will be the total evaluated price for financial evaluation purpose.)

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
File No. - N° du dossier
tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

ANNEX C CERTIFICATIONS

Form 1 OEM Certification Form	
This confirms that the original equipment manufacturer (OEM) identified below has authorized the Bidder named below to provide and maintain its products under any contract resulting from the bid solicitation identified below.	
Name of OEM	_____
Signature of authorized signatory of OEM	_____
Print Name of authorized signatory of OEM	_____
Print Title of authorized signatory of OEM	_____
Address for authorized signatory of OEM	_____
Telephone no. for authorized signatory of OEM	_____
Fax no. for authorized signatory of OEM	_____
Date signed	_____
Solicitation Number	_____
Name of Bidder	_____

Solicitation No. - N° de l'invitation
U6322-164071/C
Client Ref. No. - N° de réf. du client
U6322-164071

Amd. No. - N° de la modif.
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tor-5-38166

Buyer ID - Id de l'acheteur
tor224
CCC No./N° CCC - FMS No./N° VME

ANNEX "D" to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

As indicated in Part 3, clause 3.1.2, the Bidder must identify which electronic payment instruments they are willing to accept for payment of invoices.

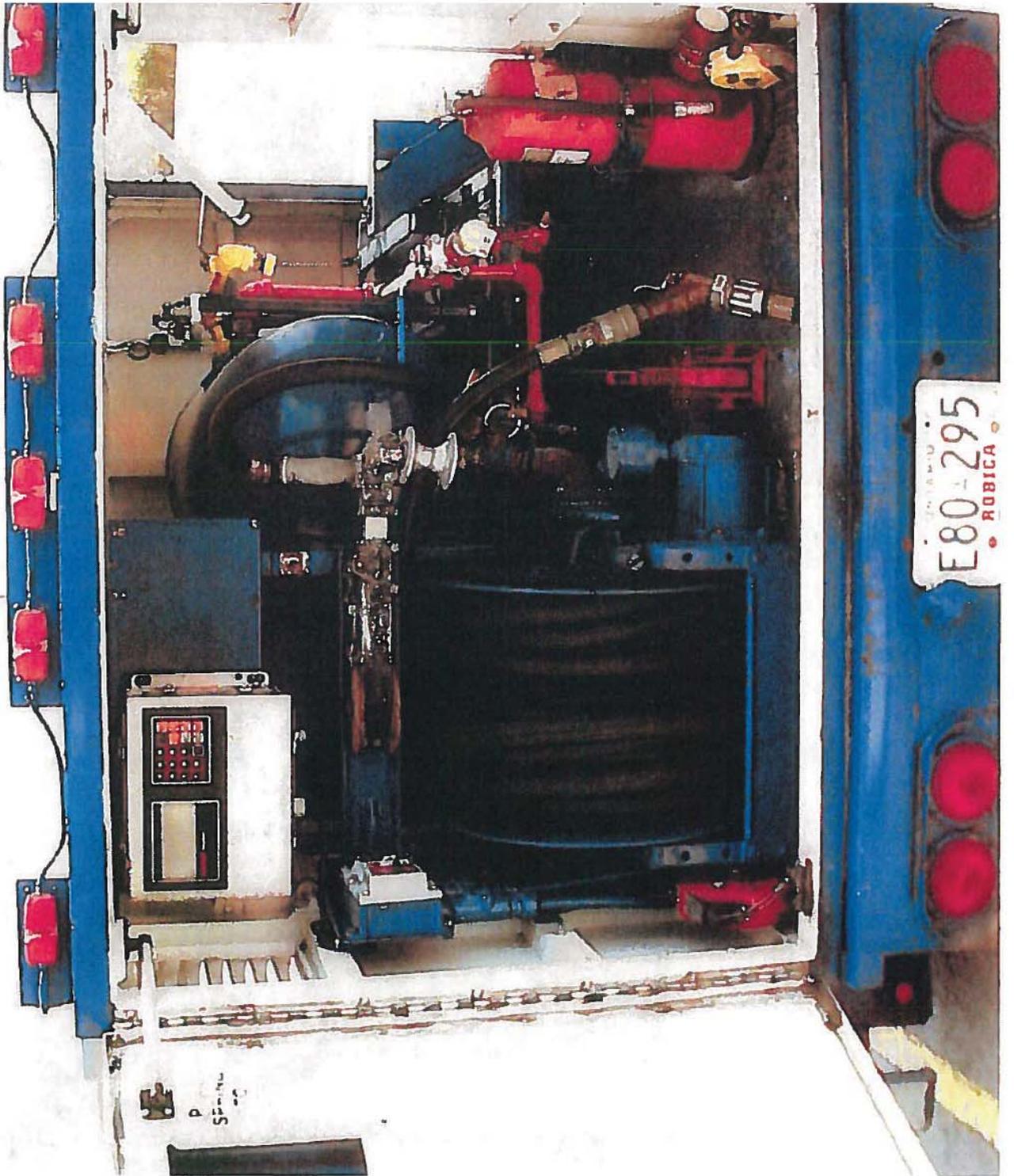
The Bidder accepts any of the following Electronic Payment Instrument(s):

- 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)



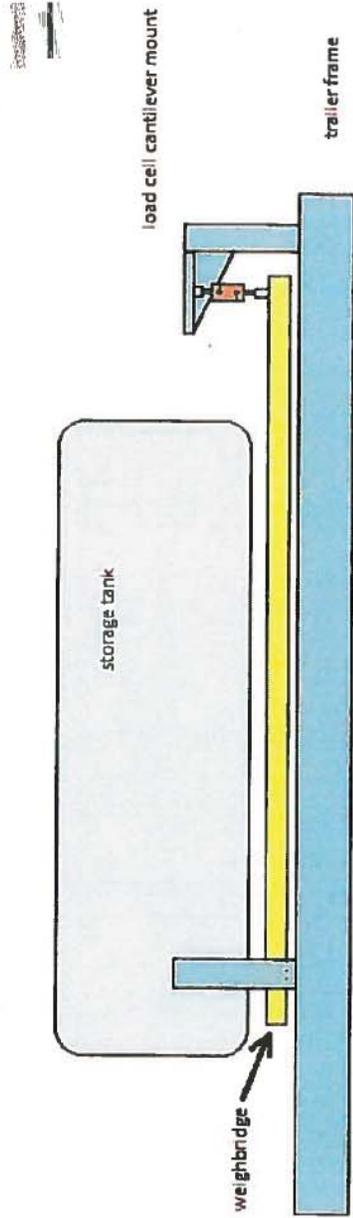




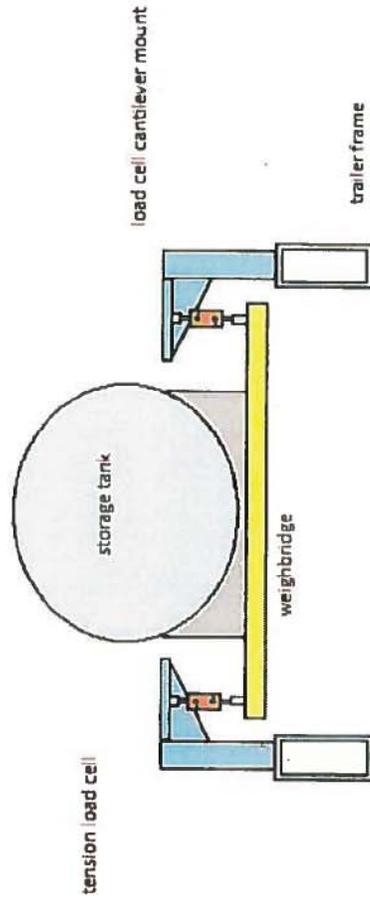


Attachment 2 - General Layout
Pièce jointe 2 - Disposition générale

General Layout - LP Gravimetric Prover Weighbridge



Side View



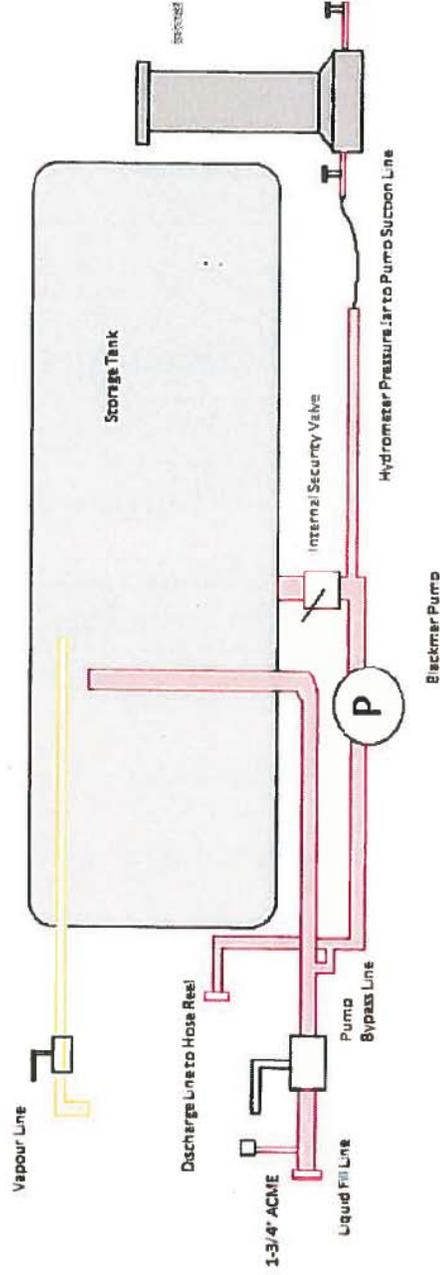
Rear View



Attachment 3 - General Piping Layout

Pièce jointe 3 - Disposition générale de la tuyauterie

General Piping Layout - LPG Gravimetric Prover

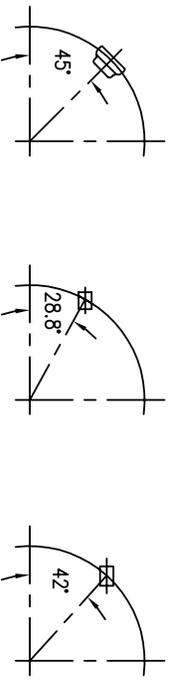
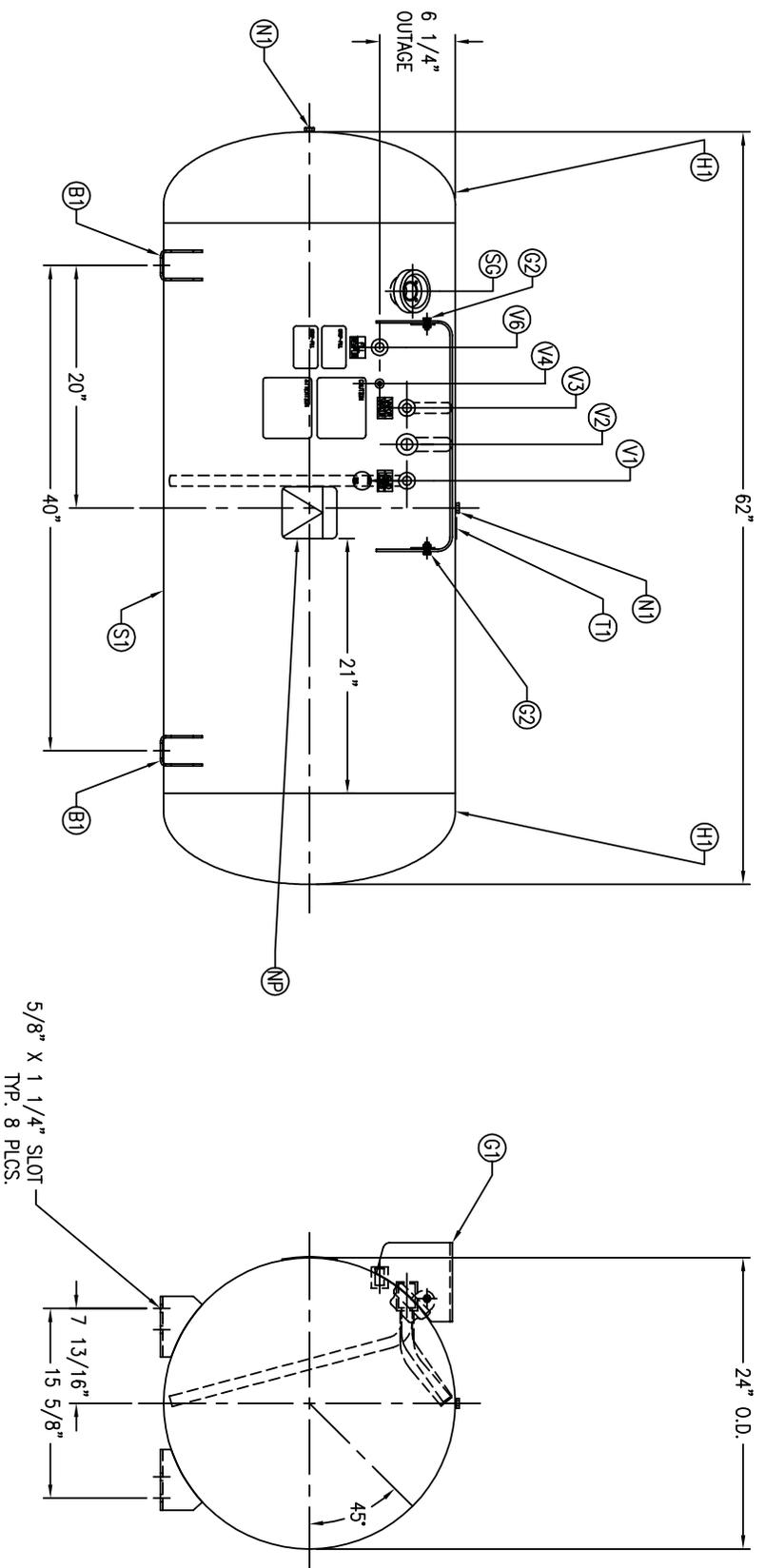


Notes:

- not to scale
- general orientation layout only; does not include all components for LPG service
- Hydrometer Pressure Jar to be supplied by Measurement Canada
- Pump assembly is fully supported by weighbridge directly below the tank
- Hose Reel (not shown) is detachable from pump supply line to facilitate isolation for weighments



Attachment 4 - Manchester Tank
 Pièce jointe 4 - Réservoir Manchester



S.G. ADAPTER
 OUTGAGE &
 FILL CPLINGS.
 LIQ. VAPOR &
 RELIEF CPLINGS.

SYM	DATE	BY	REVISION	APP	XREF REV.	NOTES

SPECIFICATIONS	
O.D. 24	LGTH 62
MAMP 312	PSI @ 650 °F
CRN M4790.5C	
WELD DETAILS: M-1932	STD. TOLERANCES (UNLESS OTHERWISE NOTED): M-2461



MANCHESTER TANK

H:\2000\

MOTORFUEL TANK

SCALE: NONE

DRWG NO. **23657**

DRAWN BY:	DATE:
APPR. BY:	DATE: