

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

**Public Works and Government Services Canada
Telus Plaza North/Plaza Telus Nord
10025 Jasper Ave./10025 ave. Jaspe
5th floor/5e étage
Edmonton
Alberta
T5J 1S6
Bid Fax: (780) 497-3510**

Request For a Standing Offer Demande d'offre à commandes

Regional Individual Standing Offer (RISO)

Offre à commandes individuelle régionale (OCIR)

Canada, as represented by the Minister of Public Works and Government Services Canada, hereby requests a Standing Offer on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et Services Gouvernementaux Canada, autorise par la présente, une offre à commandes au nom des utilisateurs identifiés énumérés ci-après.

Comments - Commentaires

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
Telus Plaza North/Plaza Telus Nord
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

Title - Sujet Bituminous Roofing Repairs	
Solicitation No. - N° de l'invitation W0127-12LP28/A	Date 2012-02-22
Client Reference No. - N° de référence du client DND	GETS Ref. No. - N° de réf. de SEAG PW-\$PWU-009-9290
File No. - N° de dossier PWU-1-34585 (009)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-03-09	Time Zone Fuseau horaire Mountain Standard Time MST
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Davyduke (RPC), Katherine	Buyer Id - Id de l'acheteur pwu009
Telephone No. - N° de téléphone (780)497-3547 ()	FAX No. - N° de FAX (780)497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE ENGINEER SERVICES COMPANY EDMONTON GARRISON STN FORCES P.O.BOX 10500 EDMONTON ALBERTA T5J4J5 CANADA	
Security - Sécurité This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

Instructions: See Herein

Instructions: Voir aux présentes

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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B. RESULTING CONTRACT CLAUSES

General Conditions:

(i) GC1 General Provisions	R2810D (2011-05-16);
(ii) GC2 Administration of the Contract	R2820D (2011-05-16);
(iii) GC3 Execution and Control of the Work	R2830D (2010-01-11);
(iv) GC4 Protective Measures	R2840D (2008-05-12);
(v) GC5 Terms of Payment	R2550D (2010-01-11);
(vi) GC6 Delays and Changes in the Work	R2865D (2008-05-12);
(vii) GC7 Default, Suspension or Termination of Contract	R2870D (2008-05-12);
(viii) GC8 Dispute Resolution	R2884D (2008-05-12);
(ix) GC9 Insurance	R2590D (2011-05-16);
Supplementary Conditions, if any;	
Fair Wages and Hours of Labour - Labour Conditions	R2940D (2010-01-11);
Allowable Costs for Contract Changes Under GC6.4.1	R2950D (2007-05-25);

ANNEXES

Annex A	Statement of Work
Annex B	Basis of Payment
Annex C	Health & Safety Requirements - Alberta
Annex D	Periodic Usage Report Form
Annex E	Offer (Part 6A)

PART 1 - GENERAL INFORMATION**1. Introduction**

The Request for Standing Offers (RFSO) template is divided into six parts:

- (i) Part 1, General Information;
- (ii) Part 2, Offeror Instructions;
- (iii) Part 3, Offer Preparation Instructions;
- (iv) Part 4, Evaluation Procedures and Basis of Selection;
- (v) Part 5, Certifications, and
- (vi) Part 6:
 - 6A, Standing Offer, and
 - 6B, Resulting Contract Clauses; and,
 - the Annexes.

Part 1: provides a general description of the requirement;

Part 2: provides the instructions applicable to the clauses and conditions of the RFSO and states that the Offeror agrees to be bound by the clauses and conditions contained in all parts of the RFSO;

Part 3: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;

Part 4: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, the security requirement, if applicable, and the basis of selection;

Part 5: includes the certifications to be provided;

Part 6A: includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;

Part 6B: includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Statement of Work, the Basis of Payment, Health & Safety, Usage Reports, Offer, and any other annexes applicable to the requirement.

2. Summary

Bituminous Roofing Repairs Standing Offer, Edmonton Garrison, CFB Edmonton, AB.

Work under this standing offer includes the provision of skilled licensed labour, tools, equipment, supervision and material as requested by Department of National Defence in the form of call ups for Bituminous Roofing Repairs at the Edmonton Garrison, CFB Edmonton, AB. Services are to be provided on an "as required" basis. It is anticipated that only 1 firm will be issued a standing offer. The standing offer will be issued for a term of three (3) years. The total expenditures over the term is estimated at \$1,600,000.00 (GST/HST included).

This procurement contains a MANDATORY requirements. See Part 4 for details.

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

3. Communications Notification

As a courtesy, the Government of Canada requests that successful offerors notify the Standing Offer Authority in advance of their intention to make public an announcement related to the issuance of a standing offer.

4. Debriefing

After issuance of a standing offer, offerors may request a debriefing on the results of the request for standing offers. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of notification that their offer was unsuccessful. The debriefing may be provided in writing, by telephone or in person. The debriefing will include an outline of the reasons the submission was not successful, making reference to the evaluation criteria. The confidentiality of information relating to other submissions will be protected.

5. Health & Safety Requirements

There are Health & Safety requirements associated with this requirement. See Annex C

PART 2 - STANDING OFFER - INSTRUCTIONS TO OFFERORS

1. Standard Instructions and Conditions

- .1 All instructions, clauses and conditions identified in the Request for Standing Offers RFSO by title, number and date are set out in the Standard Acquisition Clauses and Conditions Manual issued by Public Works and Government Services Canada (PWGSC). The Manual is available on the PWGSC Web site:

<http://sacc.pwgsc.gc.ca/sacc/query.do?lang=en&id=r&date=current&title=&detail=&type=all&action=search>

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the terms and conditions of the Standing Offer and Resulting Contract(s).

The 2006 (2011-05-16) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

1. Changes to 2006 Standard Instructions:

- .1 Subsection 06 - Delayed Offers, of 2006, Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

DELETE in it's entirety.

- .2 Subsection 08 - Customs Clearance, of 2006, Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

DELETE in it's entirety.

SUPPLEMENTARY INSTRUCTIONS

1. Submission of Offers

- .1 Offers received after the offer closing date and time will not be considered. Late offers will be returned unopened. Offers 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 Request for Standing Offers.

- .2 Firm Price and/or Rates:

The Offeror is required to submit firm prices, rates or both that will apply for the entire period of the Standing Offer.

- .3 Offers not submitted on the prescribed Offer Form will not be considered.

- .4 Any alteration to the pre-printed or pre-typed sections of the Offer Form, or any condition or qualification placed upon the offer may be cause for disqualification of the offer. Alterations, corrections, changes or erasures made to statements or figures entered on the Offer Form by the offeror shall be initialed by the person or persons signing the offer. Initials shall be original(s). Alterations, corrections, changes or erasures that are not initialed shall be deemed void and without effect.

- .5 Incomplete offers may be rejected.

2. Enquiries - Request for Standing Offers

1. To ensure the integrity of the competitive bid process, enquiries and other communications regarding the bid solicitation, from the issue date of the solicitation up to the closing date, are to be directed ONLY to the individual named on page one (1) of the bid solicitation. Enquiries and other communications are NOT to be directed to any other government official(s). Failure to comply with this paragraph 1 can (for that reason alone) result in the disqualification of the bid.
2. Enquiries must be IN WRITING.
3. Enquiries must be received no less than 5 calendar days prior to the bid closing date to allow sufficient time to provide a response. Enquiries received after that time might not be answered prior to the bid closing date.

4. To ensure consistency and quality of information provided to bidders with respect to significant enquiries received, and the replies to such enquiries, any information will be provided simultaneously to bidders to which this solicitation has been sent, without revealing the sources of the enquiries.

3. Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of work.

PART 3 - OFFER PREPARATION INSTRUCTIONS

1. General

- .1 Insert the hourly rate or unit price against each class of labour, plant, or item of specified material listed on the Unit Price Schedule of the Offer form. Insert the percentage mark-up for Unspecified Material, if any; mathematical extensions against all items including the Contractor's Mark-up on Unspecified Material if applicable, and Total Estimated Amount, GST/HST extra.

The estimated quantities will be used for cost evaluation purposes only and do not constitute a guarantee or commitment on behalf of Canada of the quantity or amount to be used under the Standing Offer.

A rate must be entered for each item.

The Offeror agrees that the Price(s) per Unit as tendered govern in calculating the Total Evaluated Price. The Offeror understands that any errors in the extension of the Price per Unit, in the addition of the Estimated Total Price, and Estimated Total Amount will be corrected in order to obtain the Total Evaluated Price.

- .2 Type or legibly print the offeror's full business name and address in the spaces provided for that purpose in the offer. Indicate the offeror's telephone, emergency telephone and facsimile numbers.
- .3 Sign and date the Offer form in the space provided

2. Offer Preparation Instructions

- .1 Offers are to be submitted on the form provided, duly completed, in an envelope provided by the Offeror, and shall be addressed and submitted to the office designated for the receipt of offers on or before the date and time set for RFSO closing.
- .2 Canada requests that offerors provide their offer in separately bound sections as follows:

Section I: Annex E - Financial Offer (one hard copies)

Offerors must submit their financial offer in accordance with the "Annex B, Basis of Payment".

The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable.

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

3. Receipt of Offers

- .1 Offers must be received on or before the date and time set for solicitation closing shown on page 1 of the RFSO. The offeror should retain a copy of the offer for their record.

4. Revision of Offer

- .1 An offer submitted in accordance with these instructions may be revised by letter or facsimile, provided that the revision is received at the office designated for the receipt of offers (Bidding address) on or before the date and time set for the closing of the RFSO. The facsimile shall be on the offeror's letterhead or bear a signature that identifies the offeror.
- .2 A revision to the unit price schedule must clearly identify the change(s) in the unit price(s) and the specific item(s) to which each change applies.
- 3) A letter or facsimile submitted to confirm an earlier revision shall be clearly identified as a confirmation.
- 4) Failure to comply with any of the above provisions shall result in the rejection of the non-compliant revision(s) only. The bid shall be evaluated based on the original offer submitted and all other compliant revision(s).
- .5 Facsimile number for receipt of revisions: (780) 497-3510

5. Taxes

- .1 The offeror is responsible for all applicable taxes.
 - .1 Offerors are not to include any amounts for the Goods and Services Tax (GST) or Harmonized Sales Tax (HST), whichever is applicable. Any amount levied in respect of the GST/HST shall be billed as a separate item on invoices submitted by the contractor, and shall be paid in addition to the amount approved by Canada for work performed under any resulting Contract. The Contractor shall be required to remit the appropriate amount to the Canada Revenue Agency in accordance with the applicable legislation.
 - .2 The Federal Government is exempt from the Quebec Sales Tax (QST). Offerors shall not include in their prices any amount that is intended to cover the QST on goods and services performed in the execution of the Work except for such amounts for which an Input Tax Refund is not available. The successful Offeror should make arrangements directly with the Province of Quebec to recover any QST paid by it in performing the Work under the resulting Contract.

6. Performance Evaluation

- 1) Offerors shall take note that the performance of the Contractor during and upon completion of the work shall be evaluated by Canada. The evaluation shall be based on the quality of workmanship; timeliness of completion of the work; project management, contract management and management of health and safety. Should the Contractor's performance be considered unsatisfactory, the Contractor's bidding privileges on future work may be suspended indefinitely.
- 2) An electronic version of the form PWGSC-TPSGC 2913, SELECT - Contractor Performance Evaluation Report Form, used to record the performance is available on the Public Works and Government Services Canada (PWGSC) Web site.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Assessment of Offers

- (a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the offers.
- .1 Offers shall be evaluated on the basis of the lowest compliant offer being recommended for issuance of a Standing Offer.
- .2 The retention of an offer does not bind the Department to any set amount of work to be assigned to the offeror. Offers may be retained from more than one offeror, in which case, the Department may issue a call-up against any of the Standing Offers resulting from this invitation, for any given work project in accordance with the Call-up Procedures identified in Part 6(A) - Standing Offer.
- .3 Evaluation Results
Following completion of the evaluation and after issuance of SO's, Offerors will be notified individually by the PWGSC SO Authority of the result of the process as it pertains to their submission. Offerors may request a debriefing.

2. Financial Evaluation

- 1. Offers retained pursuant to Part 4, will be evaluated on the basis of the total estimated amount quoted, GST/HST extra. It is anticipated that one standing offer will be issued to the lowest compliant offeror.

3. Basis of Selection

2.1 Basis of Selection - Lowest Evaluated Price

An offer must comply with the requirements of the Request for Standing Offers to be declared responsive. The responsive offer with the lowest evaluated price will be recommended for issuance of a standing offer.

4. MANDATORY REQUIREMENTS - Required with the Offer

Offers not meeting the following Mandatory Requirements at the time of closing will be deemed non-compliant and receive no further consideration.

- 1. Price Schedule - A rate must be entered for each item.
- 2. Signature and Submission - Page 1 of the Request for Standing Offer (RFSO), and any requisite certificates or licenses identified in the RFSO (eg: Journeyman Tickets) MUST be submitted with ANNEX E - OFFER (Part 6A) portion including all appendices. Offers must be submitted to the office designated for the receipt of offers, and must be received on or before the date and time set for solicitation closing shown on page 1 of the RFSO.

5. MANDATORY REQUIREMENTS - Precedent to issuance of a Standing Offer

Failure to comply with the following Mandatory Requirements will result in rejection of the offer.

- 1. **Health & Safety Requirements** - per attached Annex C
- 2. **Proof of Licensing** - upon request, as contained in Part 6B, General Conditions.

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3. Proof of Insurance - upon request, as contained in Part 6B, General Conditions

6. Ranking

- .1 Only 1 firm will be issued a standing offer.
- .2 See Part 6(A) section 7. for Call up Procedures

PART 5 - CERTIFICATIONS

Not Applicable

PART 6 - CLAUSES & CONDITIONS

PART 6(A) - STANDING OFFER

1. Offer - attached at ANNEX E

- .1 General Provisions
- .2 Financial Terms
- .3 Prices

2. Security Requirement

Not Applicable

3. Standard Clauses and Conditions

- 1) .1 General Conditions - Standing Offer, 2005 (2011-05-16)
- .2 Supplementary Conditions
- .3 Insurance, R2590D (2011-05-16);
- .4 Fair Wages and Hours of Labour - Labour Conditions, R2940D (2010-01-11);
- .5 Schedules of Wage Rates for Federal Construction Contracts;
- 2) The documents identified by title, number and date in paragraph 1) are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site:

<http://sacc.pwgsc.gc.ca/sacc/query.do?lang=en&id=r&date=current&title=&detail=&type=all&action=search>

- 3) Schedules of Wage Rates for Federal Construction Contracts is included by reference and may be accessed from the Web site:
http://www.hrsdc.gc.ca/en/labour/employment_standards/contracts/schedule/index.shtml

NOTE: Contractors should note that a copy of the Labour Conditions and the Fair Wage Schedule applicable to the project location must be posted at the work site in a convenient, easily accessible location.

4) Changes to 2005 General Conditions

- .1 Subsection 08 - Delayed Offers of 2005, General Conditions - Standing Offers - Goods or Services is **DELETED** in it's entirety.

4. Term of Standing Offer - see Annex E - Offer

5. Authorities

5.1 Standing Offer Authority

The Standing Offer Authority is:

Name: *see front page of Standing Offer for details*
 Public Works and Government Services Canada

Acquisitions Branch
Directorate: Real Property Contracting

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, they are responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

5.2 Project Authority

The Project Authority for the Standing Offer is identified in the call-up against the Standing Offer.

The Project Authority is the representative of the department or agency (Departmental Representative) for whom the Work will be carried out pursuant to a call-up against the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

6. Identified users

The Identified User authorized to make call-ups against the Standing Offer is : Department Of National Defence

7. Call-up Procedures

1. Best Standing Offer: the offer that provides best value lowest prices will be retained.

The Technical Authority will establish the scope of work to be performed by the successful firm and negotiate the level of effort required to perform the work based on the hourly rates contained in the SO.

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8. CALL-UP INSTRUMENTPublic Works and
Government Services
CanadaTravaux publics et
Services gouvernementaux
Canada**CALL-UP AGAINST A STANDING OFFER**
COMMANDE SUBSÉQUENTE À UNE OFFRE
PERMANENTEIn accordance with
STANDING OFFER NO.:Conformément à
L'OFFRE PERMANENTE No. _____Call-up no. - No
de commandeDated _____
and the terms and conditions therein, you are
Requested to carry out the worked described
below.En date du _____
Et les modalités qui y sont énumérées, vous êtes
prié
d'exécuter les travaux décrits ci-après.

Contractor's name and address - Nom et adresse de l'entrepreneur		Send invoice to - Expédier la facture à attention:
Fax No. ()		
Project no. - No du projet	Note: Quote standing offer number, project number and call-up number on your invoice. Inscrire le numéro de l'offre permanente, le numéro du projet et le numéro de commande sur la facture.	
Location of work - Endroit des travaux		Call-up cost, GST/HST extra - Coût de la commande, TPS en plus

Work description - Description des travaux

Certified pursuant to subsection 32 (1) of the Financial Administration Act
Certifié en vertu du paragraphe 32 (1) de la Loi sur la gestion des finances publiques_____
Signature_____
Date

Departmental Representative - Représentant du ministère

Signature_____
Date

PWGSC-TPSGC 2829 (03/2006)

9. Limitation of Call-ups - see Annex E - Offer**10. Financial Limitation - see Annex E - Offer****11. Priority Documents**

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

- a) the call up against the Standing Offer, including any annexes and any amendments;
- b) the articles of the Standing Offer;
- c) the general conditions 2005 (2011-05-16), General Conditions - Standing Offers - Goods or Services
- d) any amendment or variation in the Standing Offer that is made in accordance with the terms and conditions of the Standing Offer;
- e) the general conditions dated and listed in Part 6B, Resulting Contract Clauses;
- f) the supplemental general conditions;
- g) Annexes:
Annex A, Statement of Work, and any amendment to the solicitation document incorporated in the Standing Offer before the date of the Standing Offer;
Annex B, Basis of Payment;
Annex C, Health & Safety Requirements - Alberta
Annex D, Periodic Usage Report Form; and
- h) the Offeror's offer Annex E, dated _____ (insert date of offer);

12. Certifications**12.1 Compliance**

Compliance with the certifications provided by the Offeror is a condition of authorization of the Standing Offer and subject to verification by Canada during the term of the Standing Offer and of any resulting contract that would continue beyond the period of the Standing Offer. In the event that the Offeror does not comply with any certification or it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

13. Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of work.

15. Estimates

Where an estimate of the cost of performing specific work is required, the Identified User will provide the Offeror with a statement of the work required and the Offeror must provide the Identified User with an estimate of the cost of performing the specified work in accordance with the pricing provision of the Standing Offer. The Offeror must not undertake any of the specified work unless and until a call-up is issued by the Identified User. The estimated cost stated in the call-up must not be exceeded without the specific written authorization of the Identified User.

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16. Offeror's Contact Information

Name: _____

Title: _____

Address: _____

Telephone Number: _____

Fax Number: _____

Email: _____

PART 6 (B) - RESULTING CONTRACT CLAUSES

- 1) The following are the resulting contract documents:
 - (a) Call up form and Statement of Work when signed by Canada;
 - (b) General Conditions:

(i)	GC1	General Provisions	R2810D	(2011-05-16);
(ii)	GC2	Administration of the Contract	R2820D	(2011-05-16);
(iii)	GC3	Execution and Control of the Work	R2830D	(2010-01-11);
(iv)	GC4	Protective Measures	R2840D	(2008-05-12);
(v)	GC5	Terms of Payment	R2550D	(2010-01-11);
(vi)	GC6	Delays and Changes in the Work	R2865D	(2008-05-12);
(vii)	GC7	Default, Suspension or Termination of Contract	R2870D	(2008-05-12);
(viii)	GC8	Dispute Resolution	R2884D	(2008-05-12);
(ix)	GC9	Insurance	R2590D	(2011-05-16);
 - (c) Supplementary Conditions, if any;
 - (d) Fair Wages and Hours of Labour - Labour Conditions R2940D (2010-01-11);
 - (e) Allowable Costs for Contract Changes Under GC6.4.1 R2950D (2007-05-25);
 - (f) Schedules of Wage Rates for Federal Construction Contracts;
 - (g) Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
 - (h) Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
 - (i) Any amendment or variation of the contract documents that is made in accordance with the General Conditions.
- 2) The documents identified by title, number and date in paragraph 1) are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Website:

<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/rqqr.do?lang=eng&verb=rese&id=r&date=current&ttl=&detail=&type=all&action=search>
- 3) Schedules of Wage Rates for Federal Construction Contracts is included by reference and may be accessed from the Website:

http://www.hrsdc.gc.ca/eng/labour/employment_standards/contracts/schedule/index.shtml
- 4) The language of the contract documents shall be the language of the Bid and Acceptance Form submitted.
- 5) A contract is formed between Canada and the Offeror only when a Call-up duly signed is issued by the Departmental Representative and accepted by the Offeror*. The Offeror shall then be referred to as "the Contractor" and the Contract includes the Offer, the Specifications referred to in the Unit Price Schedule, the General Conditions, and the Call-up .

6) Interpretation

"Accepted by the Offeror" * means that the Offeror has agreed to, and commenced performance of the work.

"Minister" includes a person acting for the Minister, the Minister's successor in office, their lawful deputy and their representatives appointed for the purpose of the Standing Offer.

"Departmental Representative" means the Project Authority who is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up against the

Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

"Superintendent" or "Supervisor" means the employee or representative of the Contractor designated by the Contractor to act as Superintendent;

"Unit Price Table" means the table of prices per unit set out in the Offer; and

"Work" means, subject only to any express stipulation in the Contract to the contrary, everything that is necessary to be done, furnished or delivered by the Contractor to perform the Contract in accordance with the work as described in each Call-up, and in the technical specifications or statement of work.

1. SUPPLEMENTAL CONDITIONS

INSERT the following supplementary conditions in the resulting General Conditions:

1. T1204 - Direct Request by Customer Department

1. Pursuant to paragraph 221 (1)(d) of the Income Tax Act, R.S. 1985, c.1 (5th Supp.), payments made by departments and agencies to contractors under applicable services contracts (including contracts involving a mix of goods and services) must be reported on a T1204 Government Service Contract Payments slip.
2. To enable departments and agencies to comply with this requirement, the Contractor must provide Canada, upon request, its business number or Social Insurance Number, as applicable. (These requests may take the form of a general call-letter to contractors, in writing or by telephone).

2. Periodic Reports

- .1 The Offeror shall provide to the Contracting Authority biannual reports on usage of the Standing Offer, showing the number and total value of call-ups by each consignee. Reports shall be submitted in the format shown on the attached Annex D "Periodic Usage Report Form" and forwarded to the Contracting Authority no later than fifteen (15) days after the designated reporting period.
- .2 The Offeror understands that failure to comply may result in the setting aside of the Standing offer.

2 CHANGES TO GC5 R2550D TERMS OF PAYMENT

DELETE GC5.4, GC5.5, and GC5.6 and **INSERT** the following:

GC5.4 Payment

.1 Terms of Payment

1. Where the duration of the work identified in a call-up is greater than 30 days, the Contractor may submit monthly progress claims, and shall be entitled to receive progress payments at monthly or other agreed intervals. Subject to verification by the Departmental Representative, payment of the Contractor's invoice for work satisfactorily completed shall be made not later than 30 days after receipt thereof. The due date shall be the 30th day following receipt of a properly submitted invoice.
2. The Contractor shall submit a separate invoice for each Call-up to the Departmental Representative in accordance with any invoicing instructions set out herein. The properly submitted invoice shall be delivered to the Departmental Representative in the agreed format with sufficient detail, information, and backup to permit verification.

The Contractor's invoice shall show the following, as separate items:

(a) the amount of the progress payment being claimed for Work satisfactorily performed excluding GST/HST;

(b) the amount for any tax calculated (GST/HST) in accordance with the applicable federal tax legislation; and

(c) the total amount which shall be the sum of the amounts referred to in (a) and (b) above.

3. The amount of the tax shown on the invoice shall be paid by Canada to the Contractor in addition to the amount of the progress payment for Work satisfactorily performed.
4. If, within 15 days of receipt of the invoice, additional information is requested by the Departmental Representative for the purpose of verification, the 30 day payment period shall commence upon receipt of the requested information. Payment shall be made prior to or on the thirtieth (30) day after receipt of the corrected invoice or the required information.
 - .1 Any monthly progress payment made to the Contractor may be subject to a 10% holdback which shall be released to the Contractor with the final payment unless the amount held back is required by Canada to remedy any defect in the Contractor's work.
 - .2 Where the duration of the Work identified in a call-up is equal to or less than thirty (30) days, the Contractor may receive a single payment as full consideration for the Work performed.
5. Upon completion of the Work in the progress claim, the Contractor maybe requested to provide a completed and signed statutory declaration containing a declaration that, up to the date of the progress claim, the Contractor has complied with all lawful obligations with respect to the Labour Conditions and that, in respect of the Work, all lawful obligations of the Contractor to its Subcontractors and Suppliers, referred to collectively in the declaration as "subcontractors and suppliers", have been fully discharged before any further payment is made.
6. Upon written notice by a Sub-Contractor, with whom the Contractor has a direct contract, of an alleged non payment to the Sub-Contractor, the Departmental Representative may provide the Sub-Contractor with a copy of the latest approved progress payment made to the Contractor for the Work.

Solicitation No. - N° de l'invitation

W0127-12LP28/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pwu009

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

DND

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7. Upon the satisfactory completion of all Work, the amount due, less any payments already made, shall be paid to the Contractor not later than thirty (30) days after receipt of a properly submitted invoice, and upon request, with a Statutory Declaration in accordance with paragraph 5 above.

.2 Supplemental Invoicing Instructions

.1 Invoices

- .1 All invoices submitted for payment shall show:
 - .1 Construction Engineering Work Order Number,
 - .2 Requisition Number, DSS 942 (Requisition on Contract),
 - .3 Public Works and Government Services Canada (PWGSC) Standing Offer Number, and
 - .4 same address as on PWGSC contract.
- .2 Invoices are to include a breakdown as follows:
 - .1 Hourly rate per the Offer and hours of work for each tradesperson.
 - .2 An itemized list of materials used, by cost, shall be shown on all invoices submitted for payment.
 - .3 Good and Services Tax (GST/HST) shall be shown as a separate item.
 - .4 Where subcontracting is involved a copy of subcontractor's invoice shall accompany the invoice against the requisition.
 - .5 Where discount or markup is applicable, indicate separately.
- .3 Invoices submitted for payment against this contract that are not properly identified will be returned to the Contractor for proper annotation before certification for payment is made.

ALL OTHER TERMS AND CONDITIONS OF PART 6 REMAIN IN FULL FORCE AND EFFECT.

Solicitation No. - N° de l'invitation

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ANNEXES

Annex A	Statement of Work
Annex B	Basis of Payment
Annex C	Health & Safety Requirements - Alberta
Annex D	Periodic Usage Report Form
Annex E	Offer

ANNEX A

General

1. Description of Work

- .1 Work under the Standing Offer covers the supply of all labour, materials, (including waste factors), equipment, supervision, and transportation necessary to carry out repair and maintenance to various roofs on an "as and when requested" basis for the Department of National Defence, Garrison Edmonton, Edmonton AB.
- .2 Buildings are located at the following locations:
 - a) Lancaster Park
 - b) 7 CFSD
 - c) 42 Kingsway
 - d) Riverbend
 - e) SAC
 - f) Cardiff
- .3 Type of Roof Systems
 - a) Hot and cold asphalt
 - b) Coal Tar Pitch
 - c) Gravel and smooth surfaced.

2. Inspection

- .1 Inspection of roof systems and service calls will be conducted by DND. Engineer will mark out the areas for repair and inform the Contractor on the type of roof and the repairs required.
- .2 Engineer will designate work to be performed by providing the Contractor with a form 2829, Call-up against a Standing Offer.
- .3 Emergency Repair work: Contractor will be notified by telephone, followed by a 2829 delivered either by hand or by mail.
- .4 The Contractor is to ensure all service calls are actioned within two (2) working days following receipt of verbal authorization by the Engineer or authorized representative.

3. Contractor's Use of Site

- .1 Use of site, exclusive and complete for the execution of the work except as follows:
 - a) Movement around the site shall be subject to any restriction imposed by the Base Commander or Engineer.
 - b) Do not unreasonably encumber site with materials or equipment.

4. Codes and Standards

- .1 Perform all work in accordance with the National Building Code of Canada (NBC)
- .2 Materials and workmanship must conform to or exceed applicable standards of Canadian General Standards Board (CGSB), Canadian Standards Association (CSA), American Society for Testing and Materials (ASTM) and other referenced organizations.
- .3 Conform to the latest revision of dated referenced standards as reaffirmed or revised to date of the specification. Standards or codes not dated shall be deemed the edition in force on the date of the specification.
- .4 Workmanship
 - .1 Workmanship shall be uniformly high quality and in strict accordance with Canadian Roofing Contractor's Association (CRCA) and best trade practices. Mediocre or inferior workmanship shall be replaced at nocost to DND.
 - .2 Work shall be carried out by personnel skilled in the built-up roofing trade and the foreman of the crew will have in their possession, a valid Provincial Certificate of Qualification in the built-up roofing trade, including torch application of SBS Modified Bituminous roofing.

5. Project Meetings

- .1 Engineer will arrange meetings and brief the contractor on all aspects of this Standing Offer.

6. Terminology

- .1 The word "provide: shall mean "supply and install";

.2 The word "indicated" shall mean " as shown on the drawings and/or noted in the contract documents.

7. Scaffolding

.1 Design, construct and maintain scaffolding in a rigid, secure and safe manner. Erect independent of walls and remove promptly when no longer required.

8. Temporary Facilities

.1 Access: to provide and maintain adequate access to project site.

a) if authorized to use existing roads for access to project site, maintain such roads for duration of contract and make good any damage resulting from Contractor's use of roads.

.2 Sanitary Facilities: If required, provide sanitary facilities for work force in accordance with governing regulations and ordinances.

a) post notices and take such precautions as required by local health authorities. Keep area and premises in a sanitary condition.

.3 Storage Sheds:

a) Where storage facilities are not available on the site, the Contractor shall provide adequate weathertight sheds with raised floors for storage of materials, tools, and equipment which are subject to damage by weather.

b) The contractor will approve the siting of the shed.

.4 Power and Water Supply: DND can provide, free of charge, temporary electric power and water for construction purposes.

a) Engineer shall determine delivery points and quantitative limits. Engineer shall determine delivery points and quantitative limits. Engineer's written permission is required before any connection is made. Connect to existing power supply in accordance with Canadian Electrical Code.

b) Provide at no cost to DND, all equipment and temporary lines to bring these services to the project site.

c) The supply of temporary services by DND is subject to DND requirements and may be discontinued by the DND site representative at any time without notice and without acceptance of any liability for any damage or delay caused by such withdrawal of temporary services.

.5 Removal of Temporary Facilities: Removal all temporary facilities from site when directed by Engineer.

a) Restore connection points for electric power and water to original condition.

9. Safety Requirements, Fire Orders and Regulations

.1 Construction Safety Measures: observe and enforce all construction safety measures required by the National Building Code of Canada, Provincial Government, Workers Compensation Board and Municipal Statutes and Authorities.

.1 In the event of conflict between any provisions of the above authorities the most stringent provision shall apply.

.2 Fire Safety Requirements: comply with requirements of the Orders and Precautions for Civilian Contractors as issued by the Base Fire Chief.

.3 All personnel are to be thoroughly familiar with the contents of this order and in addition are to be conversant with relevant regulations pertaining to:

.1 Reporting a Fire

.1 All fire incidents are to be reported immediately to the nearest Fire Department by one of the following means available.

.2 Non-emergency, fire related inquiries - call MP's at local 4044 or Fire Department at 4434 Lancaster Park.

.3 Reporting a fire Lancaster Park

a) Activate nearest fire alarm, or;

b) On base, dial 4333, give location and nature of incident, and;

c) Married Quarters or non-government phone, dial 780-973-4333, give location and nature of incident.

.4 Reporting a fire Riverbend Receiver Site

- a) Call City of Edmonton 9 -9-1-1 and then;
- b) Notify CFB Fire Department, dial 780-973-4334, give location and nature of incident.

.5 Reporting a fire Cardiff Transmitter Site

- a) call Morinville Fire Department 780-939-4011 and then;
- b) notify CFB Fire Department, dial 780-973-4434, give location and nature of incident.

.6 Reporting a fire HMCS Nonsuch

- a) Active nearest fire alarm, or;
- b) Call City of Edmonton 9 -9-1-1, and then;
- c) Notify CFB Fire Department, dial 780-973-4011, ext. 4434 give location and nature of incident.

.7 When transmitting an alarm by telephone, give the location of the fire and the name or number of building and be prepared verify the location.

.8 Before starting the job, know the location of the nearest fire alarm or telephone covering the area of work.

.2 Fire Precautions

.1 Fire Watchers: wherever work is being carried out in dangerous or hazardous areas involving the use of heat, fire watchers, provided with sufficient fire equipment to control or extinguish fire shall be provided. Private contractors are responsible for providing fire watcher service on a scale established in conjunction with the Engineer and the Base Fire Chief prior to commencing work.

.2 The Base Fire Chief is to be advised by phoning local 4434 Fire Orders and (780-973-4011 ext. 4434) in all cases involving welding, burning of the use of blow torches, salamanders, etc. in buildings or hazardous areas.

.3 Fire Hydrants, fire protection systems and sprinkler systems.

- .1 Under no circumstances are these systems to be shut off or blocked in any way without the permission of the Base Fire Chief. This includes cutting off the electrical power in buildings equipped with 110 V activated fire warning systems.

.4 Flammable Liquids:

.1 Flammable liquids such as gasoline, kerosene, naphtha, etc. may be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing Underwriters Laboratory or Factory Mutual Seal of Approval.

.2 Transfer of flammables is prohibited in buildings. In all cases where the transfer of such liquids is necessary, care is to taken to provide adequate bonding between containers and ground.

.3 Transfer of flammable liquids shall not be carried out in the vicinity of open flame or any type of heat producing device.

.4 Storage of quantities of flammable liquids exceeding forty-five litres for work purposes requires the permission of the Base Fire Chief.

Flammable liquids having a flash point below 37.7 degrees Celsius, such as gasoline or naphtha, etc. shall not be used as solvents or cleaning agents.

.5 Installation and/or repair of roof to include Contractor's physical plant at site:

- .1 The Contractor shall notify the Fire Chief of the location of any asphalt kettles and the dates they will be in use. The Contractor in the course of roofing work, shall ensure that the and/or his personnel use and take the following precautions:

- .1 Do not use direct fired equipment.

-
- .1 Use only kettles equipped with thermometers or gauges in good working order.
 - .2 Locate kettles in safe place outside the building, or if approved by Engineer, on noncombustible roof at location to avoid danger of igniting combustible material below. When locating kettles give consideration to direction of prevailing winds, building fans and air handling units to minimize possibility of smoke and fumes entering surrounding occupied buildings. If wind direction causes smoke and fume problems, relocate kettles on daily basis when directed by Engineer.
 - .3 Maintain continuous supervision while kettles are in operation and provide metal covers for the kettles to smother any flames in case of fire. Fire extinguishers shall be provided as required in
 - .4 Maintain efficiency of kettles by frequent cleaning. Remove all carbonized bitumen.
 - .5 Prior to start of work, demonstrate container capacities to Engineer and/or Fire Chief.
 - .6 Use only glass fibre roofing mops
 - .7 Used roofing mops shall not be left unattended and shall be stored away from building and combustible materials,
 - .8 All roofing materials shall be stored in locations no closer than 3 metres to any structures.
 - .9 A one (1) hour fire inspection control limit shall be done at the end of the day. An acceptable temperature gauge shall be used as per Engineer's approval.
 - .6 Smoking precautions: smoking is not permitted in hazardous areas, care must still be exercised in the use of smoking materials in nonrestricted areas. Smoking is not permitted in Department of National Defence buildings.
 - .7 Solvents and Adhesives: take suitable fire precautions, use in well ventilated areas only.
 - .8 Storage and removal of rubbish and waste materials.
 - .1 Accumulations of rubbish and waste materials are to be kept to a minimum and removed from the building at the end of the work day or shift.
 - .2 Flammable material or waste shall not be stored in the work area without the consent of the Base Fire Chief.
 - .3 The burning of rubbish is prohibited.
 - .9 Overloading: No part of the work shall be loaded to the point which will endanger its safety.
 - .10 Hazardous Materials: known hazardous materials have been identified in the drawings and specifications. Contractors must inform DND employees and inspectors of any other hazards associated with the work or the products being used.
 - .11 WHMIS: Comply with the requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labeling and the provision of Material Safety Data Sheets (MSDS) acceptable to Labour Canada and Health & Welfare Canada. Deliver copies of WHMIS data sheets to the Engineer upon delivery of materials.

10. Materials

- .1 General: use new materials unless otherwise specified.
- .2 Manufacturer's Instructions: unless otherwise specified, comply with manufacturer's latest printed instructions, so that Engineer can designate which specification is to be followed.
- .3 Fastenings:
 - .1 Prevent electrolytic action between dissimilar metals;
 - .2 Wood plugs are not acceptable;
 - .3 Fastenings which cause spalling or cracking of material to which anchorage is made is not acceptable.
 - .4 obtain Engineer's approval before using powder activated tools. If approval is obtained, comply with CAN3-Z166.1-M85 and CAN3-Z166.2 -M85.
- 4. Delivery and Storage: deliver, store and maintain packaged materials with manufacturer's seals and labels intact.
 - .1 prevent damage, adulteration and spoilage of materials during delivery, handling and storage. Immediately remove rejected materials from site.
 - .2 store materials in accordance with supplier's instructions.
- 5. Acceptability of Material: "acceptable" materials are materials that are specified in the contract document and that fully meet the design criteria. Whenever the materials are specified by trade name or by manufacturer's names, the tender shall be based on the use of the named materials,
 - .1 For short tenders or SSC projects: Request for "acceptance" of materials in addition to those presently established as "acceptable" by the specifications and/or drawings shall be submitted with complete supporting data such as manufacturer's test data and drawings, in five (5) copies to the Engineering Officer, 1 ASG Engineer Company, Bldg 177, Edmonton Garrison, PO Box 10500, Edmonton, Alberta, T5J 4J5; or by courier to 2nd Floor, Building C-1, 104 Street and 137 Avenue, Edmonton Alberta; or by FAX 973-1789. Acceptance of such materials will be made at a time and in a way that will encourage the full force of legitimate competition. Request must be received at least five (5) days prior to the tender closing date.
- 6. Construction Equipment and Plant
 - .1 On request, prove to the satisfaction of Engineer, that the construction equipment and plant are adequate to manufacture, transport, place and finish work to quality and production rates specified or requested. If inadequate, replace or provide additional equipment or plant as directed.
 - .2 Maintain construction equipment and plant in good working order.
- 7. Store materials indoors (weather dependent). Bring up as required.

11. Construction Equipment

- .1 It is essential that all power tools, internal combustion engines and equipment used for work of this contract, be equipped with suppressors to positively eliminate interference with base radio, radar and telecommunication equipment.

12. Cleaning

- .1 General: conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.
 - a) do not bury rubbish and waste materials on project site;
 - b) do not dispose of volatile wastes such as mineral spirits, oil, or paint thinner in storm or sanitary drains.
 - c) Do not dispose of wastes into streams or waterways.
 - d) Store volatile wastes in covered metal containers.
 - e) Prevent accumulation of wastes which create hazardous conditions. Do not conceal waste materials in hidden spaces.
 - f) On a daily basis, maintain premises including roofs, free from debris and waste material.
 - g) Provide on-site containers for collection of waste materials and rubbish.

.2 Final Cleaning: in preparation for substantial completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces and of concealed spaces.

- a) Remove grease, dust, dirt, stains, labels, finger prints, and other foreign materials from sight exposed interior and exterior finished surfaces including glass, resultant from work under this contract.
- b) Broom clean paved surfaces, rake clean other surfaces of grounds.
- c) Remove debris and materials from roof areas.

Built -Up Bituminous Roofing Repairs Section 07511

1. General

1.1 Reference Standard: Do roofing work to applicable standards in Canadian Roofing Contractor's Association (CRCA); Roofing Specifications Manual and Alberta Roofing Contractor's Association (ACRA) Specifications Manual, to manufacturer's recommended methods and as specified herein.

2. Products

2.1 Asphalt Roofing Products:

- .1 Asphalt cutback fibrated lap cement: to CAN/CGSB 37.4-M89.
- .2 Mineral colloid emulsified asphalt fibrated for roof coating: to CAN/CGSB 37.28-M89, with non re-emulsifying characteristics meeting ASTM D466.
- .3 Cutback asphalt primer, unfilled: to CGSB 37-GP-9Ma.
- .4 Rubber Asphalt sealing compound: to CAN/CGSB 37.29-M89
- .5 Asphalt for built-up roofing: to CSA A123.4-M1979. Types 1, 2, & 3 as applicable
- .6 Asphalt saturated roofing felts No. 15 perforated to CSA A123.3-M1979, amended Nov. 1985.
- .7 Glass cloth, asphalt coated: to CGSB 37-GP-63M
- .8 Aluminum cutback asphalt : fibrated roof coating to CGSB 37-GP-42M; type 2.
- .1 Standard of acceptance: Bakelite 810-18 or approved equal.

2.2 Coal Tar Products

- .1 Coal tar primer, cutback, unfilled, to CAN/CGSB 37.32-M89
- .2 Coal tar pitch for built up roofing: to CSA A123.4-M1979, Type A
- .3 Cutback tar plastic cement: to CGSB 37-GP-19M
- .4 Glass cloth, coal tar coated: to Can/CGSB 37.63-M90
- .5 Coal Tar saturated roofing felts No. 15 perforated: to CSA A123.3-M1979 amended Nov. 1985.
- .6 Emulsified coal tar pitch, fibrated, mineral colloid type for roof coatings, dampproofing and waterproofing: to CAN/CGSB-37.33-M90.

2.3 Restorative Products

- .1 Mastics: self-reinforcing asphalt /coal tar based mastic as applicable.
 - .1 Standard of Acceptance: Tremco Fibremat/Trimfix or approved equal.
- .2 Reinforcing Mesh: Vinyl coated woven glass mesh.
 - .1 Standard of Acceptance: Burmesh or approved equal.
- .3 Reinforced Flashing and Adhesives: reinforced EPDM/SRB Elastomeric sheeting and Elastomeric Bedding Adhesive.
- .4 Flood Coat: Waterborne Restorative Coating.
 - .1 Standard of Acceptance: Tremco Ecolastic or approved equal.
- .5 Caulking: one component, elastomeric, chemical curing: to CAN/CGSB-19.13-M87, Class 2-40, colour to match surfaces being sealed, primer as recommended by manufacturer.
- .6 One part Elastomer:
 - .1 Standard of Acceptance: Polyroof or approved equal.

2.4 SBS Modified Bituminous Membrane

- .1 Base Sheet: to CGSB 37-GP-56M, Styrene-Butadiene-STyrene (SBS) elastomeric polymer, prefabricated sheet, glass reinforcement, weighing 95 gm/m2.

- .1 Type 2, fully adhered
- .2 Class C - plain surfaced
- .3 Grade 1 - standard service
- .4 Top and bottom surfaces
 - .1 Polyethylene sanded
- .5 Acceptable material:
 - .1 Soprema Inc.
 - .2 Siplast Canada Inc
 - .3 IKO Industries Ltd.
 - .4 Bakor/Globe- Vedag.
- .6 Note: Base sheet will only be required where specifically requested by the engineer.
- .2 Cap Sheet: to CGSB 37-GP-56M, Styrene-Butadiene-Styrene (SBS) elastomeric polymer, prefabricated sheet, polyester reinforcement, weighing 250 g/m2.
 - .1 Type 1, fully adhered.
 - .2 Class A - granule surfaced
 - .3 Grade 2
 - .4 Bottom surface sanded
 - .5 Acceptable material:
 - .1 Soprema Inc.
 - .2 Siplast Canada Inc.
 - .3 IKO Industries Ltd.
 - .4 Bakor/Gobe-Vedag.

2.5 Insulation

- .1 Fibrous Glass Thermal Insulation Board: to CAN/CGSB-51.31-M84. Thickness and taper to match existing, less 12.7 mm for new fibreboard.
- .2 Insulating Fibreboard, to CSA A247-M86, type 1, 12.7 mm thick.
- .3 Joint Tape: to CGSB 43-GP-3M, 75mm wide pressure sensitive.
- .4 Expanded Polystyrene: to CAN/CGSB-51.20, Type 2 thickness and taper to match existing, less 12.7 mm for new fibreboard. Only polystyrene insulations listed on CGSB Qualified Products List (41 GP Series) are acceptable for use on this project.
- .5 Asphalt Saturated Fibreboard: to ASTM D1751-83

2.6 Roofing Aggregate

- .1 From 9-20 mm size, well graded, round opaque, non-porous material, washed free from fines, moisture, ice, snow or long splinters to ASTM D1863-83.

2.7 Flashings

- .1 Plumbing drain and roof drain flashing: 1.98 mm thick lead sheet or approved equal in accordance with the Canadian Plumbing Code.
 - .1 Minimum 760 mm square for roof drains.
 - .2 Galvanized sheet steel: 0.61 mm core thickness commercial quality to ASTM A526, with Z275 designation zinc coating. Apply prefinish "5000" series coating, class F1S, colour to match existing unless otherwise directed by the Engineer.
 - .3 Aluminum: plain, 0.80 mm minimum thickness.
 - .4 Cleats: same material and thickness as flashing, minimum 50 mm wide.
 - .5 Solder 50/50 to ASTM B32-83.
 - .6 Washers: 1 mm thick with rubber packings.

2.8 Flashing Fabrication

- .1 Fabricate metal flashings and other sheet metal work in accordance with applicable CRCA and ARCA specifications and to good trade practices.
- .2 Where replacing existing flashings, fabricate to match existing in configuration, gauge, dimensions and material.
- .3 Fabricate aluminum flashings and other sheet metal aluminum work in accordance with Aluminum Association "Aluminum Sheet Metal Work in Building Construction - 1971".

- .4 Form pieces in 2400 mm maximum lengths. Make allowance for expansion at joints.
- .5 Hem exposed edges on underside 12 mm. Mitre and seal corners with sealant.
- .6 Form sections square, true and accurate to size, free from distortion or other defects detrimental to appearance or performance.
- .7 Apply isolation coating to metal surfaces to be embedded in concrete or mortar.
- .8 Apply isolation coating to metal surfaces between dissimilar materials to prevent electrolysis action.

2.9 Roof Drain

- .1 Suitable for gravel surface roofs, with integral expansion joints, gravel stops and minimum 127 mm width lead flashing.
- .2 Acceptable products: Marathon series 75, Wade 3300, Josam Series 4550, Zurn Z-100 Crown Roof Drain or approved equal.
- .3 Size: to suit the piping system and roof type.

2.10 Roof Vent and Jack Flashing

- .1 Conical Roof Vent Cone: minimum flange width 120 mm, aluminum, diameter to match plumbing vent expansion complete with integral gasket, purpose made and approved by ARCA/CRCA.
- .2 Vent flashings shall comply with 2.8.1 unless otherwise directed by Engineer.
- .3 Roof jacks: galvanized steel, sized as required, joints seamed and soldered.

2.11 Pressure Treated Lumber

- .1 Wood to be used as cant strips, insulation stops, fascias and the like to be vacuum/pressure impregnated in accordance with CSA 080.1 to an average net retention of (0.40) 6.4 kg/m³ of CCA preservative.
- .2 Fasteners: Nails, spikes and staples: to CSA B111-1974.
- .3 Galvanizing: to CAN/CSA G164-M92, use galvanized fasteners for exterior work and pressure preservative treated lumber.

2.12 Down Pipes

- .1 Form down pipes from minimum 0.6 mm thick galvanized/baked enamel finish sheet metal.
- .2 Sizes and profiles to suit site condition.
- .3 Provide goosenecks, strainer baskets and necessary fastening.
- .4 Splash pads: precast concrete, standard 600 x 750 x 50 mm thick.
- .5 Sand: coarse river sand.

2.13 Scupper

- .1 Form scupper from minimum 0.76 mm thick galvanized sheet metal with sump sloped to drain.
- .2 Size and profile to suite site condition. Minimum 150 mm wide.
- .3 Accessories: purpose made as supplied by manufacturer.

Execution

3.1 Storage and Handling

- .1 Provide and maintain dry off-ground weatherproof storage when storage is required.
- .2 Store rolls of felt on end.
- .3 Twenty-four hours prior to use, cut and stack felts in 2.75 to 3.65 m lengths. Keep guide lines up.
- .4 Remove insulation wrapping only on roof immediately prior to laying.

3.2 Weather Limitations:

- .1 Do not proceed with work when temperature remains consistently below 5 degrees C. especially when wind chill effect would tend to set bitumen before proper adhesion takes place.
- .2 Use only dry materials and apply during weather that will not introduce moisture into roofing system.
- .3 Protect work and materials from snow and rain.
- .4 Undertake patching work that can be completed same day or prior to precipitation.

.5 Avoid throwing or dropping felts as impact may fracture material.

.6 When temperature is below 10 degree C.

.1 Exercise care in unrolling felts as sudden bending may cause cracks.

.2 Raise temperature of cold process cement to 22 degree C using warm storage or other suitable method approved by Engineer.

3.3 Protection

.1 Use glass fibre roofing mops only

.2 Used mops shall not be left unattended on roof and shall be stored away from building and combustible materials.

.3 Provide covering for walls and adjacent work where materials are hoisted or used.

.4 Provide warning signs and barriers. Maintain in good order until completion of work.

.5 Clean off drips and smears of bituminous materials from wall or other surfaces.

.6 Protect work from traffic and damage. Comply with precautions deemed necessary by the Engineer.

.7 Dispose of rain water off roof and away from face of building.

.8 Prior to the start of each day, cut back and totally remove seal. Do not leave asphalt between sheets of insulation.

.9 At end of each days work or when stoppage occurs due to inclement weather, provide protection for uncompleted work and materials out of storage.

3.4 Examination of Work

.1 Examine roof, roof deck and other exposed areas whether marked out for repair or not and inform Engineer of any defects or unusual conditions.

3.5 Workmanship

.1 Apply roofing materials over clean and dry surfaces to CRCA and ARCA recommendations and requirements and as specified.

.2 The Engineer will have marked out areas for specific repairs, will inform Contractor on the requirements and whether roof is asphalt or coal tar. The Contractor is responsible to obtain and use the proper and compatible materials for the type of roof to be worked on.

.3 Do priming for asphalt roofing in accordance with CBSB 37-GP-15M.

.4 Compatibility between roofing components is essential. Provide written declaration to Engineer stating that materials and components assembled in roof systems meet this requirement.

3.6 Roof Mounted Equipment

.1 All roof mounted equipment, apparatus as guy wires, intake or exhausters units, air conditioners and the like, which interfere with the operation of the work, to be removed, safeguarded and replaced in an operational and approved condition on completion of the work in that area.

.2 When removals result in openings or holes in the roofing system, the Contractor to provide temporary closures for these openings as required by the Engineer, pending reinstallation of removed items.

3.7 Application of Bitumens

.1 Following types of hot asphalt to be used for roofing repairs

.1 Type 1 for slopes up to 1:16.

.2 Type 2 for slopes from 1:16 - 1:8

.3 Type 3 for slopes from 1:8 - 1:4

.2 Hot pitch is one type.

3.8 Replacement of Roofing to Vapour Barrier

.1 Hot process bituminous roofs (Gravel surface).

.1 The Engineer will have marked out areas where the insulation is saturated and roofing system to be replaced to the vapour barrier.

.2 Aggregate and dust to be removed to a minimum of 950 mm out from proposed cut lines and for the overlap of felts.

- .1 Existing roof aggregate in repair area to be removed from roof and disposed of.
- .3 Generally cut along the marked lines, in straight lines and square corners, cut vertically and remove the felts and wet insulation. Take precautions to prevent damage to vapour barrier. Examine vapour barrier and ensure it is sound, unpunctured, smooth, dry and free from ice, snow or frost. Sweep clean of all dust and debris.
- .4 Where wet insulation exists at the limits of the cut, extend new cuts to limits designated by the Engineer until dry insulation is encountered. At no time shall the Contractor extend cuts without approval of Engineer.
- .5 If requested by Engineer remove roofing membrane from around the cut to expose a minimum of 155 mm dry insulation all around the opening.
- .6 Damaged vapour barrier: patch damaged area with a layer of tar or asphalt saturated felts (as applicable) embedded in a coating of the applicable cement.
- .7 Vapour Barrier at roof perimeters, curbs and projections - 2 plys:
 - .1 have 1st sheet mopped to deck
 - .2 Install 2nd sheet over perimeter blocking
 - .3 Adhere an additional strip approximately 609.6 mm - 914.4 mm to existing vapour barrier and wrap along edge of insulation leaving edge sticking up approximately 152.4 mm - 228.6 mm. Later mop top of fibreboard insulation and wrap back onto face.
- .8 Insulation application
 - .1 New insulation to be same elevation and slope, flat or tapered as existing unless otherwise directed.
 - .2 New insulation to be composed of a fibrous glass primary layer and a 12.7 mm thick fibreboard secondary layer with total thickness to match existing insulation.
 OR
 - .3 Remove existing wet insulation and install Polystyrene (bead board) insulation plus 12.7 mm fibreboard insulation to match existing roof assembly prior to mopping on base sheet as directed by Engineer.
 - .4 Adhere insulation to vapour barrier and to each preceding layer of insulation in a total mopping of hot bitumen applied at the following rates:
 - .1 1 kg/m² to 1.5 kg/m² for asphalt roofing system
 - .2 1.2 kg/m² for coal tar pitch roofing system
- .9 Over insulation apply four ply of No. 15 felt, coal tar or asphalt saturated as applicable. First ply to extend a minimum of 230 mm past cut line on all sides with each succeeding ply to extend an additional 230 mm past cutline on all sides.
- .10 Adhere the #15 felts to the insulation and to each other as follows using hot bitumen:
 - .1 Asphalt: apply hot asphalt CSA A123.4 at rate of 1.2 kg/m²
 - .2 Coal Tar Pitch: apply hot tar pitch CSA A123.4 at rate of 1.5 kg/m²
- .11. NOTE Apply felts in same direction and ply over ply as existing.
- .12 Flood coat patched surface with hot bitumen and while still hot, apply gravel.
 - .1 Asphalt: flood coat rate of 3 kg/m² hot asphalt CSA A123.4 followed with new gravel surfacing 20 kg/m²
 - .2 Coal tar pitch: flood coat rate of 3.7 kg/m² hot coal tar pitch CSA 123.4 followed with new gravel surfacing 20 kg/m².
- .2 Hot process bituminous roofs (smooth surface)
 - .1 Carry out removals and rebuilding as noted in paras 3.8.1.10 above.
 - .2 Over felts, apply coating as follows:
 - .1 Asphalt: 1.25 kg/m² hot asphalt CSA 123.4
 - .2 Coal tar pitch: 1.5 kg/m² hot coal tar pitch CSA 123.4

.3 Cold process bituminous roof (smooth surface)

.1 Carry out removal of marked roof sections as noted in para 3.8.1.1 to para 3.8.1.5 except that there will be no gravel to remove, however, dust, dirt and other contaminants to be removed by brushing. Do not use water.

.2 Damaged vapour barrier to be patched with applicable felts (asphalts or tar saturated felts). Embed felts in a mopped coating of asphalts cutback fibrated lap cement where roofing is asphalt and cutback tar plastic cement where roof is coal tar pitch. Application rate for both materials to be 1 L/m².

.3 Insulation Application

.1 New insulation to be the same elevation and slope, flat or tapered as existing unless otherwise directed.

.2 New insulation to be composed of a fibrous glass primary layer and a 12.7 mm thick fibreboard secondary layer with total thickness to match existing insulation.

OR

.3 Remove existing wet insulation and install Polystyrene (bead board) insulation plus 12.7 mm fibreboard insulation to match existing roof assembly prior to mopping on base sheet as directed by Engineer.

.4 Adhere insulation to vapour barrier and insulation layer with the following:

.1 Asphalt roof system: cold process asphalt cement CAN/CGSB-37.4 at rate of 1 L/m².

.2 Coal Tar Pitch roof system: cement tar cutback 37-GP-19M at rate of 1L /m².

.4 Application of felts

.1 Start application of felts at low point and at right angles to incline on tapered roof.

.2 Completed patch shall be a two ply system.

.3 Extend primary felts to a minimum of 610 mm past exposed insulation on all sides, and secondary (top) felts minimum of 915 mm past exposed insulation on all sides.

.4 Adhere felts to insulation and to each other with cold process asphalt cement CAN/CGSB-37.4 for asphalt roof and cement tar cutback 37-GP-19M for tar pitch roof, both applied at the rate of 0.61L/m²

.5 Immediately on placing each sheet, broom vigorously from centre to each end. Rolling : Asphalt roof system only

.1 Follow each brooming operation by rolling with heated roller equipped with temperature control, range 65 degree to 175 degree C. Operating temperature of roller shall be dependent on air temperature and as directed by Engineer.

.2 Place roller on centre line of sheet and roll from one end to the other.

.3 On return trip, place one end of roller flush with edge overlapping deck and roll to end.

.4 On third pass, place end of roller flush with edge overlapping deck and roll to end.

.5 Continue rolling in this sequence until entire area is rolled free of buckles, wrinkles, fishmouths or other distortions.

.6 Smooth surface coating

.1 Over complete patch and extending a minimum of 150 mm past new felts on each side apply two coats of emulsified asphalt CAN/CGSB -37.28 to asphalt surface roof systems and emulsified surface roof systems and emulsified coal tar CAN/CGSB - 37.33 to coal tar pitch roof system.

.2 Apply with brush or spray at the rate of 1 L/m² and when dry an additional coat applied at 1 L /m².

3.9 Blisters and Buckles

.1 Hot process bituminous roofs

.1 Remove all gravel, bitumens, and dust, down to the felt surface, extending a minimum of 610 mm beyond edges of blisters and buckles.

.2 Cut blisters using intersecting cuts, care being taken to cut no deeper than the last blister ply. Where blisters are more than two plies deep, the cuts shall be reinforced with two plies of membrane sandwiched in appropriate application of mastic.

.3 Fold back flaps and allow to dry. Where the insulation is saturated and/or free water is visible, the area to be cut out and replaced as noted in para 3.8 of this section.

.4 Trim flaps so they will lie flat and not overlap when returned to original position.

.5 Where dry, apply a coating of fibrated lap cement CAN/CGSB-37.4 for asphalt system roof and cutback tar plastic cement CGSB 37-GP-19M for tar system roof. The cement shall be applied at the rate of 1 kg/m² and the flaps pressed firmly in place.

.6 If flaps are delaminated, each ply is to be secured with an application of the cement noted in para 3.9.1.5 above, and pressed firmly in place.

.7 Over entire cleaned surface apply a light coat of the applicable primer (tar or asphalt) and allow to dry.

.8 Over cleaned and primed area install a two ply system of #15 felts (tar or asphalt) set in hot bitumen applied at:

.1 Asphalt roof: 1.2 kg/m² of hot asphalt CSA A123.4

.2 Tar roof: 1.5 kg/m² of hot tar pitch CSA A123.4 Type A.

.9 Surfacing:

.1 For gravel surface, use gravel brushed off to the sides supplemented as required with new gravel.

.2 Apply flood coat of hot bitumen and gravel as noted in para 3.8.2.2.

.3 For smooth surface, apply bitumens as noted in paras 3.8.2.2.

.2 Cold Process Roofs

.1 Prepare roof areas with blisters and buckles as noted in para 3.9.1.1 to .4

.2 When dry adhere flaps to insulation with cold process cement CAN/CGSB 37-GP-19M for asphalt roof systems and cement tar cutback CGSB 37-GP-19M for coal tar pitch roof systems, both applied at a rate of 0.61 L/ m². Press flaps firmly into place. Let dry.

.3 Prime cleaned area using primer CGSB 37-GP-9M or coal tar primer CAN/CGSB-37.32 as applicable and let dry.

.4 Over primed area apply a coat of emulsified fibrated asphalt CAN/CGSB -37.28 to asphalt roof system and emulsified coal tar CAN/CGSB 37.33 to coal tar roofs at a rate of 2 L/m² and embed applicable asphalt or coal tar coated glass cloth. Ensure it is totally embedded. Allow to dry then apply a second coat of applicable emulsion at the rate of 2 L/m².

3.10 Fishmouths

.1 Hot process bituminous roofs

.1 Remove all gravel, dust, dirt and excess bitumen 300 mm beyond fishmouths. Broom clean.

.2 Using roofers knife, cut membranes along ridge, full length of fishmouth.

.3 Trim edges of membranes so that they do not overlap when pressed down.

.4 Engineer to examine cut fishmouths to determine whether moisture has penetrated into the insulation. Where moisture penetration has occurred, the Engineer will approve repair as for blisters, para 3.9, or replacement to vapour barrier, para 3.8.

.5 Where no moisture penetration has occurred, lift flaps and apply a coating of fibrated lap cement CAN/CGSB - 37.4 for asphalt roof system, and cutback tar plastic cement CGSB 37-GP-19M for tar roof system. The cement shall be applied at a rate of 1 kg/m² and the flaps pressed firmly into place.

.6 Prime cleaned area using applicable primer (asphalt of coal tar) and let dry.

.7 Over cleaned and primed area apply a coating of asphalt sealing compound CAN/CGSB 37.29 or cutback tar cement 37-GP-19M as applicable at a rate of 2 L/m² and embed applicable asphalt or coal tar coated glass cloth. Allow to dry and then apply a second coat of applicable cement at the same rate and let dry.

.8 If roof had gravel surface apply third coat of cement at same rate as 3.10.1.7 above and spread on brushed off gravel and tamp in lightly. Apply additional gravel as required.

.2 Cold Process Bituminous Roofs

.1 Prepare fishmouths as noted in para 3.10.1.1 to .6 above.

.2 Centre over lap and extending 300 mm out to all sides of fishmouth apply applicable asphalt or tar coated glass cloth embedded in emulsion applied at a rate of 2 L/m². Use emulsified asphalt CAN/CGSB-37.28 for asphalt type roof system and emulsified coal tar CAN/CGSB-37.33 for coal tar roof system. Allow to dry and apply a second coat.

3.11 Bare Felts, Oxidized Surfaces Alligating

.1 Hot and cold process bituminous roofs

.1 Remove all gravel, dust and foreign matter from area marked out for repairs.

.2 Do not wash felts to remove dust and dirt, broom areas clean.

.3 Repair all defects as blisters, buckles and fishmouths as described in paras 3.9 and 3.10

.4 Prime all dry felts and oxidized surfaces:

.1 Asphalt roof system: asphalt primer CGSB 37-GP-9Ma at the rate of 0.4 L/m²

.2 Coal tar roof system: coal tar primer CAN/CGSB-37.32 at the rate of 0.25 L/m².

.5 Smooth surface roof coating

.1 Asphalt roof system: over dry primer, apply emulsified asphalt CAN/CGSB-37.28 rate of 1.5 L/m²

.2 Coal Tar roof system: over dry primer apply emulsified coal tar CAN/CGSB-37.33 at rate of 1.5 L/m².

.6 Gravel surfaced roofs

.1 Asphalt roof system: over dry primer apply hot roofing asphalt

CSA A123.4 at rate of 3 kg/m² and while still hot apply gravel surfacing at 20 kg/m².

.2 Coal tar roof system: over dry primer apply hot coal tar pitch CSA A123.4 at rate of 3.7 kg/m² and while still hot apply gravel surfacing at 20 kg/m².

.7 Heavy Checking and Alligatering

.1 Prime as noted in para 3.11.1.4 brushing heavily to ensure primer penetrates all fissures.

.2 Over dry primer, coat area with CAN/CGSB-37.28 emulsified asphalt to asphalt roofs at rate of 1.5 L/m² and embed tar coated glass cloth into it. When dry provide additional coating of emulsified tar.

3.12 Split Membrane

.1 Remove all gravel, dust, debris and dirt for a minimum of 305 mm on each side of split and 610 mm beyond each end.

.2 Open splits and ensure insulation is dry. Splits that extend through the insulation shall be filled flush with the same type of insulation.

.3 Hot process bituminous roof systems

.1 Over the split and extending 150 mm beyond each end apply a 150 mm wide strip of applicable felt, cemented in place with applicable cement.

.1 asphalt roof: use #15 felts asphalt saturated and embed in hot asphalt CSA 123.4 applied at 1.2 kg/m².

.2 coal tar roof: use #15 coal tar saturated felts and embed in hot coal tar CSA A123.4 applied at 1.5 kg/m².

.2 Over the 150 mm wide felt when dry apply a 305 mm wide strip of applicable felt exting 305 mm past end of split. Cement in place as noted in para 3.12.3.1.1. and .2.

.3 Surfacing

.1 For gravel surfaced roof, flood coat cleared area with hot asphalt CSA A123.4 applied at 3 kg/m² or hot coal tar CSA A123.4 applied at 3.7 kg/m² whichever is applicable and while still hot, surface with gravel at 20 kg/m².

.2 For smooth surfaced roofs over the felts, apply hot asphalt CSA A123.4 at 1.25 KG/me or hot coal tar CSA A123.4 at 1.5 kg/m² as applicable.

.4 Cold proces bituminous roof system

.1 Over the split and extending 150 mm beyond each end apply a 150 mm wide strip of applicable glass cloth embedded in applicable emulsion. When dry apply 305 mm wide strip of glass cloth extending 305 mm past ends of split.

.1 For asphalt roof use asphalt coated glass cloth embedded in emulsified asphalt at 2 L/m² for each ply of glass cloth. Let dry.

.2 For coal tar roofs use tar coated glass cloth embedded in emulsified coal tar applied at 2 L/m² for each ply of glass cloth. Let dry.

.2 Surfacing

.1 Over embedded glass cloth apply a two coat surface application of the applicable emulsion applied at the rate of 1 L/m² for each coat.

3.13 Metal Flashings

.1 When requested by Engineer, remove flashings to permit examination and/or repair.

.2 Removals will be accomplished in a manner that will permit maximum salvage of installed metal counter flashing, or as directed by the Engineer.

.3 On completion of required repairs, replace salvaged or new flashings in their original location.

.4 Insulate between stacks and flashings with mineral wool insulation.

.5 Ensure cleats and fasteners are compatible to flashing used.

.6 Fabricate and install metal flashings and other sheet metal work in accordance with applicable CRCA "FL" series details and where practical, new flashings to be performed to match existing in configuration, gauge, dimensions and material.

.7 Use concealed fastenings, except where approved before installation.

.8 Lock end joints and caulk with sealant.

.9 Install surface mounted reglets true and level and caulk with sealant. Mechanically fasten at 300 mm c/c maximum spacing, using purpose made non corrosive fasteners. Colour to match flashing, c/w integral neoprene/rubber gaskets.

.10 Install flashing into recessed reglets using lead wedges @600 c/c. Caulk with sealant. Mechanically fasten @600 mm c/c with fasteners as specified in para 3.13.9 above.

3.14 Roof Drains

.1 The Engineer will indicate roof drains for replacement.

.2 Generally replace roof drains to CRCA Specifications FL-526 and FL-527 with variations applicable to the type of roof, insulation thickness and type of drain pipe.

.3 Contractor is responsible to provide all clamps, piping, sealants and the like required for the connection of new roof drain to the existing drain pipe system.

3.15 Aluminized Asphalt Flood Coat

.1 Surface Preparation

.1 Metal surfaces shall be dry and free from oil, grease or other contaminants

.2 Asphalt roofing must be dry and sound. Clean surfaces with brush to remove all dust, dirt and loose or spalled material.

.3 Make repairs to roof surface in accordance with applicable paragraphs of this specification. Inform Engineer of any damaged areas detected by the Contractor and not indicated for repair, and proceed as directed. Repairs made to roofs without Engineer's approval will not be compensated for.

.2 Primer

.1 All existing roof surfaces which are to be coated with aluminized asphalt shall be primed with asphalt primer CGSB 37-GP-9M at a rate of 0.40 L/m². Allow to dry.

.2 New roof surfaces will not require primer.

.3 Apply cutback, fibrated aluminized asphalt coating, CGSB 37-GP-42 with brush or spray equipment in accordance with manufacturer's printed instructions.

.1 Apply first coat by brush to all lap seams and nail heads at a rate of 1. L/m².

.2 Apply final coat to entire roof surface at a minimum rate of 1 L/m².

Broom or brush entire surface to ensure there are no pinholes, skips or misses in the coating.

3.16 Waterborne Restorative Flood Coat (Coal Tar Roofs)

.1 Surface Preparation

.1 Remove and store for reuse, the metal counterflashings at all perimeters parapets, projections and expansion joints. Replace damaged or otherwise unsuitable metal flashings with new where directed by Engineer and in accordance with paragraph 3.13.

.2 Prior to commencement of roof cleaning, all building appurtenances such as roof drains, vent stacks, air intakes and the like shall be covered. All such devices shall be removed at the completion of each day's work and replaced again prior to the following day's startup .

.3 Damaged roof membrane: Patch damaged roof areas, blisters and the like in accordance with applicable sections of this specification and flood coat.

.2 Flood Coat

- .1 When the roof membrane is prepared, and membrane flashings are completed, a joint inspection by the Engineer and a representative of the material manufacturer shall be made for approval to proceed with the flood coat.
- .2 Installation of flood coat without approval from either the Engineer or a representative of the material manufacturer will cause the area to be rejected.
- .3 The total roof membrane shall receive an application of a water-borne restorative coating applied at the spread rate of 3.44 L/m². Material shall be brushed and cross brushed to ensure film thickness.
- .4 Resecure flashing to exterior wall with fascia screws of same material as flashing with enough shank to penetrate the blocking by 31 mm and in accordance with paragraph 3.13.
- .5 Reinstall all additional perimeter and projection sheet metal counter flashings.

3.17 Flood Coat and Gravel

- .1 Hot process bituminous roofs (gravel surface)
 - .1 Remove all loose gravel, dust, debris, and dirt down to the primary membrane using approved Wet Power Vacuum System. Repair all defects such as blisters, buckles and fishmouth and split membrane as described in paras 3.9, 3.10 and 3.12. Preparation shall be such to remove all contaminants to ensure adhesion of the new flood coat and gravel to the primary membrane. NOTE: Do not use Hand Power Broom Sweeper unless otherwise approved by the Engineer.
 - .2 Do not proceed with flood coat and gravel until Engineer has inspected and approved surface preparation, and roof system has been given time to be 100% dry.
 - .3 Apply bitumen flood coat at a rate of 3 kg/m² and immediately broadcast 20 kg/m² of new clean aggregate. Sufficient gravel must be embedded to allow minimum bitumen to show through. An additional flood coat of 3 kg/m² and 20kg/m² gravel must be applied at the exterior corners for approximately 1200mm in each direction..
 - .4 If use of Hand Power Broom is allowed, coat surface with primer before proceeding with the application of flood coat and gravel.

3.18 Wood Cants and Fascia Backing

- .1 Install wood cant strips, fascia backing, nailers and other wood supports to CRCA/ARCA details and specifications. Secure using galvanized fasteners at maximum 410 mm).C. to sound substrate.
- .2 Comply with the requirements of NBC 1990, Par 9.

3.19 Down Pipes

- .1 Install down pipes and provide goosenecks back to wall. Secure down pipes to wall with straps at 1800 mm OC; minimum 2 straps per down.
- .2 Install splash pads at bottom of down pipes. Pads to slope away from building.
- .3 Install down pipe at scupper locations.

3.20 Overflow Scupper

- .1 Cut out parapet wall, cant strips, metal flashing, counterflashing and the like to accommodate scupper.
- .2 Install scupper with sump sloped to drain.
- .3 Set flange in mastic, nail to blocking and prime flange before stripping.
- .4 Apply three ply membrane flashing over metal scupper, one ply cotton and two plies felt.
- .5 Ensure installation is watertight.

3.21 Replacement of Existing Gravel Stop with Roof Edge Cant or Low Parapet

- .1 Remove existing gravel stop flashing and fascia board to accommodate installation of new roof edge cant or low parapet.

-
- .2 All gravel, dust, dirt and foreign material shall be spudded and broomed to existing roofing membrane.
 - .3 Install wood cant at roof perimeter, fascia backing, nailers and the like to CRCA/ARCA details and specifications. Secure using galvanized nails at maximum 410 mm O.C. To insulation stop.
 - .4 Comply with the requirements of NBC 1990, Part 9.
 - .5 Repair all roof membrane defects as described in para 3.10 and 3.11, as directed by Engineer, and to a good trade practice.
 - .6 Lap joints, remove wrinkles and buckles. Laps to minimum 150 mm embedded in hot bitumen.
 - .7 Cut off first ply at top outside edge of fascia, turn top ply down face of fascia minimum 75mm and securely nail to wood fascia at approximately 102 mm centre to centre staggered and coat on face of cant. Note: Where requested, apply SBS modified bituminous flashing.
 - .8 Coat top ply with hot bitumen.
 - .9 Install metal counterflashing to a good trade practice and in accordance with paragraph 3.13. Form with hemmed edges and locked joints. Extend to bottom of cant in moderate contact with completed roof surface. Secure by concealed nailing at lock joints along top by concealed nailing at lock joints along top edge. Nail bottom edge of flashing into fascia board at 610 oc. Do not fasten metal into cant.

ANNEX B

.1 Basis of Payment

Payments in respect of the agreed price shall be made upon satisfactory performance of the Work, and upon approval of the Departmental Representative, but such payments shall not exceed the amount(s) as specified in the Call Up, for the Work without written authorization.

In consideration of the Contractor satisfactorily completing all of its obligations under the resulting Contract, the Contractor will be paid a firm price, Goods and Services Tax or Harmonized Sales Tax extra.

.1 Hourly Rates:

The Contractor will be paid firm hourly rates as follows, for work performed in accordance with the Contract.

See attached for details

ANNEX C

MANDATORY HEALTH AND SAFETY - *for Work in the Province of Alberta*

1.) SPECIAL INSTRUCTIONS TO BIDDERS (SI):

SI13 WCB AND SAFETY PROGRAM

- 1) The recommended Bidder shall provide to the Contracting Authority, prior to Standing Offer issue:
 - 1.1 a Workers Compensation Board Premium Rate Statement - Alberta, or equivalent documentation from another jurisdiction;
 - 1.2 a Workers Compensation Board letter of good standing, also listing covered Directors, Principals, Proprietor(s) or Partners who will be or who are anticipated to be present on the work site(s), or equivalent documentation from another jurisdiction; and
 - 1.3 a Certificate of Recognition (COR) or Registered Safety Plan (RSP). A health and safety policy and program, as required by other provincial/territorial Occupational Health and Safety Acts, will be acceptable in lieu of a COR or RSP.
- 2) The recommended Bidder shall deliver all of the above documents to the Contracting Authority on or before the date stated (usually 3-5 days after notification) by the Contracting Authority. Failure to comply with the request may result in the bid being declared non-compliant.

2.) SUPPLEMENTARY CONDITIONS (SC):

SC02 Workplace Safety and Health

1. EMPLOYER/PRIME CONTRACTOR

- 1.1 The Contractor shall, for the purposes of the Occupational Health and Safety Act, Alberta, and for the duration of the Work:
 - 1.1.1 act as the Employer, where there is only one employer on the work site, in accordance with the Authority Having Jurisdiction;
 - 1.1.2 accept the role of Prime Contractor, where there are two or more employers involved in work at the same time and space at the work site, in accordance with the Authority Having Jurisdiction; and
 - 1.1.3 agree, in the event of two or more Contractors working at the same time and space at the work site, without limiting the General Conditions, to Canada's order * to:
 - 1.1.3.1 accept, as the Prime Contractor, the responsibility for Canada's other Contractor(s); or
 - 1.1.3.2 accept that Canada's other Contractor is Prime Contractor and conform to that Contractor's Site Specific Health and Safety Plan.

* "order" definition: *after contract award, Contractor is ordered by a Change Order*

2. SUBMITTALS

- 2.1 The Contractor shall provide to Canada:

-
- 2.1.1 prior to the pre-construction meeting, a transmittal and copy of a completed Notice of Project form PWGSC - TPSGC 458 (form will be provided to the proposed contractor prior to award), as sent to the Authority Having Jurisdiction (AHJ); and
 - 2.1.2 prior to commencement of work and without limiting the terms of the General Conditions:
 - 2.1.2.1 copies of all other necessary permits, notifications and related documents as called for in the scope of work/specifications and/or by the AHJ; and
 - 2.1.2.2 a site specific Health and Safety Plan as requested.

NOTE: Please do not include any forms that include personal 3rd party information such as the names of the contractor's employees and their related claims information.

3. LABOUR AUTHORITY CONTACT:

The contact below represents the Labour Authority in the jurisdiction (AHJ). They are not representatives of the Workers Compensation.

Do not contact the people referenced below for issues pertaining to WCB or WCB Clearances. Those queries must be directed specifically to the WCB, and where the WCB has both a Labour and Compensation component, WCB issues must be directed to the Compensation/Employer Services sections.

ALBERTA North

Alberta Human Resources and Employment
Workplace Health and Safety
10th Floor, 7th Street Plaza
10030-107 Street
Edmonton, Alberta, T5J 3E4

Telephone: (780)422-5949
Facsimile: (780) 427-0999

Solicitation No. - N° de l'invitation

W0127-12LP28/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pww009

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

DND

PWU-1-34585

ANNEX D Periodic Usage Report Form

As a requirement of this Request for Standing Offer, a report shall be submitted as follows:

Return to:

Katherine Davyduke	(780) 497-3547	Katherine.Davyduke@p wgsc-tpsgc.gc.ca
<i>Name</i>	<i>Fax</i>	<i>Email Address</i>

at:

Public Works and Government Services Canada
Real Property Contracting, Acquisitions Branch
10025 Jasper Ave., 5th Floor
Telus Plaza North
Edmonton, AB T5J 1S6

REPORT ON THE VOLUME OF BUSINESS

SUPPLIER: _____

REPORT FOR THE PERIOD ENDING: _____

Description of Work	Call-up #	TOTAL BILLIN G

NIL REPORT: We have not done any business with the federal government for this period _____.

PREPARED BY:

NAME: _____

SIGNATURE: _____

TELEPHONE NO.: _____

ANNEX E PART 6 (A) - OFFER

Description of Work: Edmonton, Alberta
Bituminous Roofing Repairs, Department of National Defence
Bituminous Roofing Repairs Standing Offer

Standing Offer Solicitation No.: W0127-12LP28

1. OFFER

- .1 This Standing Offer, hereinafter called the "Offer", is made by the undersigned Offeror, hereinafter called the "Offeror", to Her Majesty the Queen in right of Canada, hereinafter called "Her Majesty", as represented by the Minister of Public Works and Government Services, hereinafter called the "Minister";
- .2 This Offer is to furnish all necessary tools, plant, equipment, services, materials and labour to execute and complete the Work described above in careful and workmanlike manner;
- .3 The Work shall be more particularly described in individual Call-ups to be issued by the Departmental Representative, hereinafter called the "Departmental Representative";
- .4 The individual Call-ups may be issued, from time to time, during the period of (3) Three Years following the date of this Offer, hereinafter called the "Term", or until the maximum amount as described in subsection 3.1 below is expended, whichever comes first.

2. GENERAL PROVISIONS

- .1 This Offer when signed by or on behalf of the Offeror, the Specifications referred to in the Unit Price Schedule below and the General Conditions shall constitute the complete Offer subject to the provisions contained therein;
- .2 The Hourly Rate and the Unit Price, as offered, govern in calculating each Estimated Total Price; any errors in the extension of the Unit Price and in the addition of the Estimated Total Prices will be corrected in order to obtain the actual Total Estimated Amount;
- .3 This Offer supersedes and cancels all communications, negotiations and agreements relating to the Work other than those contained in the Offer;
- .4 that this tender may not be withdrawn for a period of 60 days following the tender closing time,

The Offeror agrees

- .1 to carry out individual work projects as requisitioned from time to time by the Departmental Representative in **Call- ups Against a Standing Offer**, form PWGSC/TPSGC 2829, copies of which the Offeror acknowledges to have in its possession, in accordance with the requirements set out therein and in consideration of payment of amounts to be determined pursuant to section 3. Below;

-
- .2 to provide, on demand from the Departmental Representative, a detailed price estimate, calculated in accordance with section 4 below, and a proposed work schedule for each work project; and
 - .3 to commence Work promptly upon receipt of each Call-up issued pursuant to this Offer, duly signed by the Departmental Representative.
 - .5 This Offer does not constitute a binding contract between Her Majesty and the Offeror. The Departmental Representative shall have the right to issue a Call-up with those other offerors which have also submitted offers to Her Majesty.
 - .6 A contract is formed between Her Majesty and the Offeror only when a Call-up duly signed is issued by the Departmental Representative and accepted by the Offeror. The Offeror shall then be referred to as "the Contractor" and the Contract includes the Offer, the Specifications referred to in the Unit Price Schedule below, the General Conditions and the Call-up .
 - .7 The estimated number of hours, the quantities of material and plant, and the amount of the Allowance for Unspecified material set out in the Unit Price Schedule are for the purpose of comparative evaluation of the offers and do not express an obligation on the part of Her Majesty to order any or all of the work, material or plant listed therein.
 - .8 The Offeror declares that no bribe, gift or benefit has been or will be paid, given, promised or offered directly or indirectly to any official or employee of Her Majesty or to a member of the family of such person, with a view to influence the entry into or the administration of any contract which may result from this Offer.

3. FINANCIAL TERMS

- .1 The maximum amount payable by Her Majesty for all call ups issued pursuant to the Standing Offer(s) shall not exceed the amount of **\$1,600,000.00 GST/HST Extra.**
- .2 The amount payable by Her Majesty for Work associated with a Call-up against this Offer shall be based on the Unit Prices set out in section 4 of the Offer or established pursuant thereto. The maximum amount payable for Work associated with any one Call-up shall not exceed the sum of **\$60,000.00, GST/HST Included.** This maximum amount shall be established precisely from said Unit Prices, prior to the issuance of a Call-up. This maximum amount may include an amount not to exceed \$5,000.00. GST/HST Extra, for a portion of the work which cannot be established precisely from said Unit Prices.
- .3 The Offeror shall notify the Departmental Representative when 80% of the amount shown in subsection 3.1 is expended or when there are three (3) months left on the Term of this Offer.
- .4 Each item specified in the Unit Price Schedule in subsection 4.1 includes wages, traveling time and costs, allowances, supervision, liabilities as employer, insurance, and the use of all tools, tackle, etc., overhead, profit and all other liabilities whatsoever.
- .5 Unspecified Material shall be reimbursed at net cost, as supported by invoices, plus Markup as established in section 4 of this Offer. "Net Cost" means all amounts reasonably and properly paid by the Offeror in respect of materials required for and used in the Work, and includes packing, handling and delivery charges, less any trade discounts received by the Offeror. The Offeror's Markup on Unspecified Material covers overheads, profit, and all other expenses whatsoever.
- .6 The prices inserted in section 4 of this Offer include all applicable federal, provincial, and municipal taxes.

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- .1 However, they do not include any amount for the Goods and Services Tax Goods and Services Tax (GST) or Harmonized Sales Tax (HST). The appropriate GST/HST amounts will be paid by her Majesty to the Offeror in addition to the amounts paid against the amount of the contract. The Offeror shall make appropriate remittances to Revenue Canada in accordance with the legislation.
 - .2 The prices do not include the Québec Sales Tax. The Offeror shall arrange directly with the Province of Québec for the reimbursement of Provincial Sales Tax paid to this Province for the purpose of any contract resulting from this Offer.
 - .7 Payment by Her Majesty for the Offeror's own special equipment not covered by the Unit Price Schedule and required at the job site will be no greater than the local going rental rate for such equipment or the rate published by the local construction association for such equipment, whichever is the lower.
 - .8 The cost of subcontract work, including special equipment rentals approved by the Project Authority, shall be reimbursed at actual cost with the addition of ten (10) percent to cover overheads, profit, and all other expenses whatsoever. "Actual cost" means all amounts reasonably and properly paid by the Contractor for those parts of the Work carried out by subcontractors.
 - .9 Pricing
 - .1 The prices requested in the Offer are:
 - .1 hourly rates for regular hours;
 - .2 hourly rate for each hour outside of regular hours; and
 - .3 mark up on allowance for unspecified material, replacement parts, required permits and certificates. for purposes of evaluation.
 - .2 The hourly rates requested in the offer and acceptance for specific types of service shall be the total cost to perform the work including but not limited to:
 - .1 labour including supervision, allowances and liability insurance;
 - .2 travel time;
 - .3 transportation/vehicle expenses;
 - .4 tools and tackle;
 - .5 overhead and profit;
 - .6 any other incidental expenses other than supply of materials and replacement parts relating to the delivery of labour.
 - .3 It is considered that regular hours of work fall between 0700 and 1800 hours, Monday to Friday.

4. PRICES

The Offeror agrees that the following are the prices referred to in sections 2 and 3 above:

4.1 Unit Price Schedules - Rates

SCHEDULE A) Initial Year

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Item	Class of Labour, material or plant	Unit	Estimated Hours/ Quantity	Unit Price	Estimated total price
				\$ ¢	\$ ¢
1.	Removal / Replacement of roof mounted equipment as per Section 07511 para 3.6:				
a	Journeyman Rate	Per Hour	250 Hours	\$ _____	\$ _____
b	Apprentice 2nd Year	Per Hour	250 Hours	\$ _____	\$ _____
c	Labourer	Per Hour	250 Hours	\$ _____	\$ _____
2	Replacement of roofing system to vapour barrier as per Section 07511 para 3.8; using 25mm Polystyrene (beadboard) insulation as primary insulation and 25 mm asphalt Saturated Fiberboard insulation as the secondary insulation:				
a	Hot process asphalt gravel surface	m2	900 m2	\$ _____	\$ _____
b	Cold Process asphalt smooth surface	m2	200 m2	\$ _____	\$ _____
c	SBS Modified bituminous granular surface	m2	300 m2	\$ _____	\$ _____
3	Repair of blisters and buckles as per Section 07511 para 3.9				
a	Hot process asphalt gravel surface	m2	400 m2	\$ _____	\$ _____
b	Cold Process asphalt smooth surface	m2	50 m2	\$ _____	\$ _____
c	SBS Modified bituminous granular surface	m2	100 m2	\$ _____	\$ _____
4	Clean and prime the existing membrane prior to adhering an additional 12mm asphalt saturated fibreboard insulation c/w (2) ply S3S Modified Bituminous membrane to				

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	the existing roof surface as per section 07511 para 2.5				
a	Hot process asphalt gravel surface	m2	750 m2	\$ _____	\$ _____
b	Cold Process asphalt smooth surface	m2	150 m2	\$ _____	\$ _____
5	To replace roof drain as per Section 07511 para 3.14	Each	12	\$ _____	\$ _____
6	Supply and install downspout to scupper c/q Installation of 2" styrofoam & splashpad as per section 07511 para 3.19	Each	4	\$ _____	\$ _____
7	Supply and apply fibrated aluminized emulsion Flood coat as per section 07511 para 3.15	m2	800 m2	\$ _____	\$ _____
8	Supply and install overflow Scupper as per section 07511 para 3.20	Each	4	\$ _____	\$ _____
	Contractor's Mark Up on Allowance for unspecified material, replacement parts, required permits and certificates. (% mark up x \$3,000. =)	%	\$3,000.00	_____%	\$ _____
Sub Total A): Estimated Total Amount 1st Year GST/HST Extra					\$ _____

continued

4.1 Unit Price Schedules - Rates (continued)**SCHEDULE B) Year 2**

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Item	Class of Labour, material or plant	Unit	Estimated Hours/ Quantity	Unit Price	Estimated total price
				\$¢	\$¢
<u>1.</u>	Removal / Replacement of roof mounted equipment as per Section 07511 para 3.6:				
a	Journeyman Rate	Per Hour	250 Hours	\$ _____	\$ _____
b	Apprentice 2nd Year	Per Hour	250 Hours	\$ _____	\$ _____
c	Labourer	Per Hour	250 Hours	\$ _____	\$ _____
2.00	Replacement of roofing system to vapour barrier as per Section 07511 para 3.8; using 25mm Polystyrene (beadboard) insulation as primary insulation and 25 mm asphalt Saturated Fiberboard insulation as the secondary insulation:				
a	Hot process asphalt gravel surface	m2	900 m2	\$ _____	\$ _____
b	Cold Process asphalt smooth surface	m2	200 m2	\$ _____	\$ _____
c	SBS Modified bituminous granular surface	m2	300 m2	\$ _____	\$ _____
3.00	Repair of blisters and buckles as per Section 07511 para 3.9				
a	Hot process asphalt gravel surface	m2	400 m2	\$ _____	\$ _____
b	Cold Process asphalt smooth surface	m2	50 m2	\$ _____	\$ _____
c	SBS Modified bituminous granular surface	m2	100 m2	\$ _____	\$ _____
4.00	Clean and prime the existing membrane prior to adhering an additional 12mm asphalt saturated fibreboard insulation c/w (2) ply S3S Modified Bituminous membrane to the existing roof surface as per section 07511 para 2.5				
a	Hot process asphalt gravel surface	m2	750 m2	\$ _____	\$ _____
b	Cold Process asphalt smooth surface	m2	150 m2	\$ _____	\$ _____
5.00	To replace roof drain as per Section 07511 para 3.14	Each	12.00	\$ _____	\$ _____
6.00	Supply and install downspout to scupper c/q Installation of 2" styrofoam & splashpad as per section 07511 para 3.19	Each	4.00	\$ _____	\$ _____
7.00	Supply and apply fibrated aluminized emulsion Flood coat as per section 07511 para 3.15	m2	800 m2	\$ _____	\$ _____
8.00	Supply and install overflow Scupper as per section 07511 para 3.20	Each	4.00	\$ _____	\$ _____

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	Contractor's Mark Up on Allowance for unspecified material, replacement parts, required permits and certificates. (% mark up x \$3,000. =)	%	\$3,000.00	____%	\$_____
Sub Total B): Estimated Total Amount 2nd Year GST/HST Extra					\$_____

SCHEDULE C) Year 3

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Item	Class of Labour, material or plant	Unit	Estimated Hours/ Quantity	Unit Price	Estimated total price
				\$¢	\$¢
<u>1.</u>	Removal / Replacement of roof mounted equipment as per Section 07511 para 3.6:				
a	Journeyman Rate	Per Hour	250 Hours	\$_____	\$_____
b	Apprentice 2nd Year	Per Hour	250 Hours	\$_____	\$_____
c	Labourer	Per Hour	250 Hours	\$_____	\$_____
2.00	Replacement of roofing system to vapour barrier as per Section 07511 para 3.8; using 25mm Polystyrene (beadboard) insulation as primary insulation and 25 mm asphalt Saturated Fiberboard insulation as the secondary insulation:				
a	Hot process asphalt gravel surface	m2	900 m2	\$_____	\$_____
b	Cold Process asphalt smooth surface	m2	200 m2	\$_____	\$_____
c	SBS Modified bituminous granular surface	m2	300 m2	\$_____	\$_____
3.00	Repair of blisters and buckles as per Section 07511 para 3.9				
a	Hot process asphalt gravel surface	m2	400 m2	\$_____	\$_____
b	Cold Process asphalt smooth surface	m2	50 m2	\$_____	\$_____
c	SBS Modified bituminous granular surface	m2	100 m2	\$_____	\$_____
4.00	Clean and prime the existing membrane prior to adhering an additional 12mm asphalt saturated fibreboard insulation c/w (2) ply S3S Modified Bituminous membrane to the existing roof surface as per section 07511 para 2.5				
a	Hot process asphalt gravel surface	m2	750 m2	\$_____	\$_____
b	Cold Process asphalt smooth surface	m2	150 m2	\$_____	\$_____
5.00	To replace roof drain as per Section 07511 para 3.14	Each	12.00	\$_____	\$_____
6.00	Supply and install downspout to scupper c/q Installation of 2"	Each	4.00	\$_____	\$_____

Solicitation No. - N° de l'invitation

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Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

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Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

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	styrofoam & splashpad as per section 07511 para 3.19				
7.00	Supply and apply fibrated aluminized emulsion Flood coat as per section 07511 para 3.15	m2	800 m2	\$ _____	\$ _____
8.00	Supply and install overflow Scupper as per section 07511 para 3.20	Each	4.00	\$ _____	\$ _____
	<u>Contractor's Mark Up on Allowance for unspecified material, replacement parts, required permits and certificates. (% mark up x \$3,000. =)</u>	%	\$3,000.00	_____ %	\$ _____
Sub Total C): Estimated Total Amount 3rd Year GST/HST Extra					\$ _____

Continued

4.1 Unit Price Schedules - Rates (continued)**4.2 TOTAL EVALUATED PRICE (3 Year Term)**

Col. 1	Col. 2	Col. 3	Col. 4
Sub Total SCHEDULE A) Initial Year Term	Sub Total SCHEDULE B) 2nd Year	Sub Total SCHEDULE C) 3rd Year	Total Evaluated Price (col.1 + col.2 + col.3 = col.4)
\$ _____	\$ _____	\$ _____	\$ _____ GST/HST Extra

These items will be used for cost evaluation purposes only and do not constitute a guarantee or commitment on behalf of Canada of the quantity or amount to be used under the Standing Offer.

A rate must be entered for each item.

The Offeror agrees that the Price(s) per Unit as tendered govern in calculating the Total Evaluated Price. The Offeror understands that any errors in the extension of the Price per Unit, in the addition of the Estimated Total Price, and Estimated Total Amount will be corrected in order to obtain the Total Evaluated Price.

Cost will be evaluated on the Total Evaluated Price in Column 4. It is anticipated that only one standing offer will be issued to the lowest compliant offeror.

SIGNATURE:

Name and title of person authorized to sign on behalf of Bidder (Type or print)

Signature

Date