

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

**Public Works and Government Services Canada
ATB Place North Tower
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
ATB Place North Tower
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

Title - Sujet Repair of Refractory Materials	
Solicitation No. - N° de l'invitation W0134-15CYNT/C	Date 2015-04-20
Client Reference No. - N° de référence du client DND-W0134-15CYNT	GETS Ref. No. - N° de réf. de SEAG PW-\$PWU-183-10423
File No. - N° de dossier PWU-4-37260 (183)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-05-06	Time Zone Fuseau horaire Mountain Daylight Saving Time MDT
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Tikhonovitch (RPC), Alex	Buyer Id - Id de l'acheteur pwu183
Telephone No. - N° de téléphone (780)497-3541 ()	FAX No. - N° de FAX (780)497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE P.O.BOX 6550 STN FORCES COLD LAKE Alberta T9M2C6 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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Supplementary Conditions

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SUPPORT THE USE OF APPRENTICES

Through Canada's Economic Action Plan 2013, the Government of Canada proposes to support the employment of apprentices in federal construction and maintenance projects. Refer to SI11.

PART 1 - GENERAL INFORMATION

1. Introduction

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

Part 1, General Information: provides a general description of the requirement;

Part 2, Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;

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

Part 4, Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;

Part 5, Certifications: includes the certifications to be provided;

Part 6, Security, Financial and Insurance Requirements: includes specific requirements that must be addressed by offerors; and

Part 7: 7A, Standing Offer, and 7B, Resulting Contract Clauses:

7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;

7B, 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, SRCL and other annexes.

2. Summary

Repair of Boiler Refractory Materials Standing Offer, 4 Wing, CFB Cold Lake, 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 to repair, replace/refurbish refractory and brick work in boilers in base buildings for the Department of National Defence, 4 Wing Cold Lake, Cold Lake, 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 period of the standing offer will be for three (3) years from date of standing offer award.

This procurement contains MANDATORY requirements. See Part 4 and 5 of the RFSO for details.

Pursuant to section 01 of Standard Instructions 2006, Offerors must submit a complete list of names of all individuals who are currently directors of the Offeror. Furthermore, as determined by the Special Investigations Directorate, Departmental Oversight Branch, each individual named on the list may be requested to complete a Consent to a Criminal Record Verification form and related documentation.

3. Health & Safety Requirements

There are Health & Safety requirements associated with this requirement. See Annex C, Health & Safety Requirements - Alberta.

4. Debriefing

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person

5. Security Requirement

There is a security requirement associated with the requirement of the Standing Offer. For additional information, see Part 6 - Security, Financial and Insurance Requirements, and Part 7 - Standing Offer and Resulting Contract Clauses.

PART 2 - OFFEROR INSTRUCTIONS

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

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

The 2006 (2014-09-25) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Subsection 5.4 of 2006, Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

DELETE sixty (60) days and **INSERT** ninety (90) days

2. Submission of Offers

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.

2.1 Revision of Offer:

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 (Offering 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.

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.

A letter or facsimile submitted to confirm an earlier revision shall be clearly identified as a confirmation.

Failure to comply with any of the above provisions shall result in the rejection of the non-compliant revision(s) only. The offer shall be evaluated based on the original offer submitted and all other compliant revision(s).

Facsimile number for receipt of revisions: **(780) 497-3510**

2.2 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.

2.3 Form

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

2.4 Alterations

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.

2.5 Incomplete Offers

Incomplete offers may be rejected.

2.6 Taxes

The offeror is responsible for all applicable taxes.

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.

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.

2.7 Performance Evaluation

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.

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.

3. Enquiries - Request for Standing Offers

All enquiries MUST be submitted in writing to the Standing Offer Authority no later than five (5) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

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

4. Applicable Laws

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pwu183

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

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CCC No./N° CCC - FMS No/ N° VME

DND-W0134-15CYNT

PWU-4-37260

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

1.1 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.

1.2 Submit the Offer, duly completed, to the office designated on page 1 of the RFSO in accordance with the Standard Instructions.

1.3 Sign and date the Offer in accordance with the RFSO.

2. Offer Preparation Instructions

Canada requests that offerors provide their offer in separately bound sections as follows:

Section I: Annex E - Financial Offer (1 hard copy)

Section II: Certifications (1 hard copy)

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

Canada requests that offerors follow the format instructions described below in the preparation of their offer.

(a) use 8.5 x 11 inch (216 mm x 279 mm) paper;

(b) use a numbering system that corresponds to that of the Request for Standing Offers.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>).

To assist Canada in reaching its objectives, offerors should:

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

Section I: Financial Offer

Offerors must submit their financial offer in accordance with Annex B, Basis of Payment. The total amount of Applicable Taxes must be shown separately, if applicable.

Payment by Credit Card

Canada requests that offerors complete one of the following:

- (a) () Government of Canada Acquisition Cards (credit cards) will be accepted for payment of call-ups against the standing offer.

The following credit card(s) are accepted:

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VISA _____

Master Card _____

- (b) () Government of Canada Acquisition Cards (credit cards) will not be accepted for payment of call-ups against the standing offer.

The Offeror is not obligated to accept payment by credit card.

Acceptance of credit cards for payment of call-ups will not be considered as an evaluation criterion.

Section II: Certifications

Offerors must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

- (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.
- (c) Offers shall be evaluated on the basis of the lowest compliant offer being recommended for issuance of a Standing Offer.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Criteria

a) MANDATORY REQUIREMENTS - Required as part of the Offer

i) Pursuant to the General Instructions, submission of Request for Standing Offer (RFSO), 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. A rate must be entered for each item listed in the unit price schedule of the offer.

b) MANDATORY REQUIREMENTS - Precedent to issuance of a Standing Offer

- i) Health & Safety Requirements
- ii) Code of Conduct Certifications (see Part 5 - Certifications)
- iii) Insurance
- iv) Proof of Financial Capability - upon request (see Part 6)
- v) Security Requirements
- vi) Requisite certificates or licenses identified in the RFSO (eg: Journeyman Tickets) must be submitted must be submitted upon request by Canada.

1.2 Financial Evaluation

1.2.1 Price Schedule - A rate must be entered for each item.

1.2.2 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.

2. Basis of Selection

2.1 Basis of Selection

An offer must comply with the requirements of the Request for Standing Offers and meet all mandatory technical evaluation criteria to be declared responsive. The responsive offer with the lowest evaluated price on an aggregate basis will be recommended for issuance of a standing offer

3. Ranking

3.1 Only 1 firm will be issued a standing offer.

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3.2 The firm submitting the lowest price compliant submission will be issued a Standing Offer.

PART 5 - CERTIFICATIONS

Offerors must provide the required certifications to be issued a standing offer. Canada will declare an offer non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications offerors provide to Canada is subject to verification by Canada during the offer evaluation period (before issuance of a standing offer) and after issuance of a standing offer. The Standing Offer Authority will have the right to ask for additional information to verify offerors' compliance with the certifications before issuance of a standing offer. The offer will be declared non-responsive if any certification made by the Offeror is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Standing Offer Authority for additional information will also render the offer non-responsive.

1. Mandatory Certifications Required Precedent to Issuance of a Standing Offer

1.1 Code of Conduct and Certifications - Related documentation

By submitting an offer, the Offeror certifies that the Offeror and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Offer of Standard Instructions 2006 (2014-09-25). The related documentation therein required will assist Canada in confirming that the certifications are true.

2. Additional Certifications Precedent to Issuance of a Standing Offer

The certifications listed below should be completed and submitted with the offer, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Standing Offer Authority will so inform the Offeror and provide the Offeror with a time frame within which to meet the requirement. Failure to comply with the request of the Standing Offer Authority and meet the requirement within that time period will render the offer non-responsive.

- 2.1 Requisite certificates or licenses identified in the RFSO** (eg: Journeyman Tickets) must be submitted with Annex E - OFFER portion including all appendices.
- 2.2 Health & Safety Requirements** - per attached Annex C .
- 2.3 Insurance**, (Annex F - Insurance Certificate);
- 2.4 Proof of Financial Capability** - upon request, per article 2 of Part 6.
- 2.5 Security Requirement** - per article 1 of Part 6.

PART 6 - SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS

1. Security Requirement

1. Before issuance of a standing offer, the following conditions must be met:

(a) the Offeror must hold a valid organization security clearance as indicated in Part 7A - Standing Offer;

(b) the Offeror's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7A - Standing Offer;

(c) the Offeror must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites.

2. Offerors are reminded to obtain the required security clearance promptly. Any delay in the issuance of a standing offer to allow the successful offeror to obtain the required clearance will be at the entire discretion of the Standing Offer Authority.

3. For additional information on security requirements, bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders"
<http://www.tpsgc-pwgsc.gc.ca/app-acq/lc-pl/lc-pl-eng.html#a31> document on the Departmental Standard Procurement Documents Web site

2. Financial Capability

Financial Statements: In order to confirm an offeror's financial capability to perform the Contract, the Standing Offer Authority may during the RFSO evaluation phase, request from that offeror current financial information. The requested financial information may include, but is not limited to, an offeror's most recent audited financial statements or financial statements certified by an offeror's chief financial officer. The information provided will be considered in the offer evaluation and selection process. If an offer is found to be non-responsive on the basis that an offeror is considered financially incapable of performing the Work, that offeror will receive a written notification from the Standing Offer Authority.

Should an offeror provide the requested information to Canada in confidence while indicating that the disclosed information is confidential, Canada will treat the information in a confidential manner in accordance with the Access to Information Act, R.S. 1985, c.A-1.

3. Insurance Requirements

The Offeror must provide a certificate from an insurance broker or an insurance company licensed to operate in Canada stating that the Offeror, if issued a standing offer as a result of the request for standing offer, can be insured in accordance with the Insurance Requirements specified in SACC Manual clause R2900D GC10 - Insurance (2008-05-12)

If the information is not provided in the offer, the Standing Offer Authority will so inform the Offeror and provide the Offeror with a time frame within which to meet the requirement. Failure to comply with the request of the Standing Offer Authority and meet the requirement within that time period will render the offer non-responsive.

Certificate of Insurance attached at Annex F

1) Insurance Contracts

- (a) The Contractor must, at the Contractor's expense, obtain and maintain insurance contracts in accordance with the requirements of the Certificate of Insurance. Coverage must be placed with an Insurer licensed to carry out business in Canada.
- (b) Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract. The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection

2) Period of Insurance

- (a) The policies required in the Certificate of Insurance must be in force from the date of contract award and be maintained throughout the duration of the Contract.

3) Proof of Insurance

- (a) Before commencement of the Work, and no later than thirty (30) days after acceptance of its bid, the Contractor must deposit with Canada a Certificate of Insurance on the form attached herein.
- (b) Upon request by Canada, the Contractor must provide originals or certified true copies of all contracts of insurance maintained by the Contractor pursuant to the Certificate of Insurance.

4) Insurance Proceeds

In the event of a claim, the Contractor must, without delay, do such things and execute such documents as are necessary to effect payment of the proceeds.

5) Deductible

The payment of monies up to the deductible amount made in satisfaction of a claim must be borne by the Contractor.

PART 7 - CLAUSES & CONDITIONS

PART 7(A) - STANDING OFFER

1. Offer - attached at ANNEX E

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

2. Security Requirement

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid **Designated Organization Screening (DOS)**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).

2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must **EACH** hold a valid **RELIABILITY STATUS**, granted or approved by CISD/PWGSC. Until the security screening of the Contractor personnel required by this Contract has been completed satisfactorily by the CISD, PWGSC, the Contractor personnel **MAY NOT ENTER** sites without **an escort**.

3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.

4. The Contractor/Offeror must comply with the provisions of the:

- (a) Security Requirements Check List and security guide (if applicable), attached at Annex H;
- (b) Industrial Security Manual (Latest Edition).

For additional information on security requirements, proponents should consult the Industrial Security web site at: <http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>.

3. Standard Clauses and Conditions

- 1) .1 General Conditions - Standing Offers - Goods or Services, 2005 (2014-09-25)
- 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:

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

4. Term of Standing Offer

4.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is for three (3) years from date of establishment of the Standing Offer.

5. Authorities

5.1 Standing Offer Authority

The Standing Offer Authority is:

Alex Tikhonovitch
Public Works and Government Services Canada
Western Region
5th Floor ATB Place North Tower
10025 Jasper Avenue
Edmonton, Alberta T5J 1S6

Telephone: (780) 497-3541

Facsimile: (780) 497-3510

E-mail address: alex.tikhonovitch@pwgsc-tpsgc.gc.ca

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 : The Department of National Defence (DND), CFB Cold Lake, Alberta.

7. Call-up Procedures

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

The Project 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 Standing Offer.

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8. CALL-UP INSTRUMENT

Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

CALL-UP AGAINST A STANDING OFFER
COMMANDE SUBSÉQUENTE À UNE OFFRE
PERMANENTE

In accordance with
STANDING OFFER NO.: _____

Conformément à
L'OFFRE PERMANENTE No. _____

Call-up no.
- No de
commande

Dated _____
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
Fax No. ()		attention:
Project no. - No du projet	Note: Quote standing offer number, project number and call-up number on your invoice. Inscrive 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

Individual call-ups against the Standing Offer must not exceed \$60,000.00 (Applicable Taxes included).

10. Financial Limitation

The total cost to Canada resulting from call ups against the Standing Offer must not exceed the sum of \$168,000.00 (Applicable Taxes included) unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or three (3) months before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

11. Priority of 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 (2014-09-25), 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 7B, 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;
 - Annex F, Insurance;
 - Annex G, Voluntary Report for Apprentices Employed During the Contract;
 - Annex H, Security Requirement Check List (SRCL).
- 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.

14. 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.

15. Offeror Contact Information

Name: _____
Title: _____
Address: _____
Telephone Number: _____
Fax Number: _____
Email: _____

PART 7 (B) - RESULTING CONTRACT CLAUSES

- 1) The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer:
 - (a) Statement of Work - The Contractor must perform the Work described in the call-up against the Standing Offer;
 - (b) General Conditions:

(i) GC1	General Provisions	R2810D	(2015-04-01);
(ii) GC2	Administration of the Contract	R2820D	(2015-02-25);
(iii) GC3	Execution and Control of the Work	R2830D	(2015-02-25);
(iv) GC4	Protective Measures	R2840D	(2008-05-12);
(v) GC5	Terms of Payment	R2550D	(2015-02-25);
(vi) GC6	Delays and Changes in the Work	R2865D	(2013-04-25);
(vii) GC7	Default, Suspension or Termination of Contract	R2870D	(2008-05-12);
(viii) GC8	Dispute Resolution	R2884D	(2008-05-12);
(ix) GC10	Insurance	R2900D	(2008-05-12);
 - (c) Supplementary Conditions:
 - (d) Allowable Costs for Contract Changes Under GC6.4.1 R2950D (2015-02-25);
 - (e) Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
 - (f) Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
 - (g) 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:

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>
- 3) The language of the contract documents shall be the language of the Bid and Acceptance Form submitted.
- 4) 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.

SUPPLEMENTAL CONDITIONS

SC01 INSERT the following supplementary conditions in the resulting General Conditions:

1.1. T1204 - Direct Request by Customer Department

- 1.1.1 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.
- 1.1.2 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).

1.2. Periodic Reports

- 1.2.1 The Offeror shall provide to the Standing Offer 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 Standing Offer Authority no later than fifteen (15) days after the designated reporting period.
- 1.2.2 The Offeror understands that failure to comply may result in the setting aside of the Standing Offer.

SC02 Term of Contract

2.1 Period of the Contract

The Work must be completed in accordance with the call-up against the Standing Offer.

SC03 Payment

3.1 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.
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.

3.2 Basis of Payment - see Annex B

3.3 Limitation of Price

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

3.4 Supplemental Invoicing Instructions

.1 Invoices

.1 All invoices submitted for payment shall show:

- .1 Construction Engineering Work Order Number,
- .2 Construction Engineering File Number,
- .3 Requisition Number, DSS 942 (Requisition on Contract),
- .4 Public Works and Government Services Canada (PWGSC) Standing Offer Number,

and

- .5 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 Extended total.
- .4 Good and Services Tax (GST/HST) shall be shown as a separate item.
- .5 Where subcontracting is involved a copy of subcontractor's invoice shall accompany the invoice against the requisition.
- .6 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.

3.5 Payment of Invoices by Credit Card (see PART 3)

The credit cards _____ and _____ are accepted.

Sections GC5.11 and GC5.12 of GC5 - Terms of Payment R2550D (2015-02-25) will not apply to payments made by credit cards.

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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

Appendix 1 - List of Individuals who are Currently Directors of the Offeror

Appendix 2 - Voluntary Certification to Support the Use of Apprentices

Annex F Insurance Certificate

Annex G Voluntary Reports for Apprentices Employed During the Contract

Annex H Security Requirements Checklist

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ANNEX A

STATEMENT OF WORK

Attached as PDF

ANNEX B**BASIS OF PAYMENT****.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):

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):

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 South

Alberta Human Resources and Employment
Workplace Health and Safety
600 – 727, 7th Avenue S.W.
Calgary, Alberta, T2P 0Z5
Telephone: 1(866) 415-8690
Email: All submissions are to be scanned and
emailed to
whs@gov.ab.ca

ALBERTA North

Alberta Human Resources and Employment
Workplace Health and Safety
10th Floor, 7th Street Plaza
10030-107 Street
Edmonton, Alberta, T5J 3E4
Telephone: 1(866) 415-8690
Email: All submissions are to be scanned and
emailed to
whs@gov.ab.ca

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ANNEX D
Periodic Usage Report Form

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

Return to:

Alex Tikhonovitch	780-497-3510	alex.tikhonovitch@pwgsc-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 BILLING

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

PREPARED BY:

NAME: _____

SIGNATURE: _____

TELEPHONE NO.: _____

ANNEX E OFFER

Description of Work: Department of National Defence Canada, Cold Lake, Alberta
Repair of Boiler Refractory Materials Standing Offer

1. OFFER

- .1 This Standing Offer is made by the Offeror to Canada;
- .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 Project Authority, hereinafter called the "Departmental Representative";
- .4 Individual Call-ups may be issued, from time to time, during the period identified in Part 7A, clause 4.1, hereinafter called the "Term".

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 or 942 , 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 Canada 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 Canada.
 - .6 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 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 Canada 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 Canada 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 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.
- .2 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.
- .3 The prices inserted in section 4 of this Offer include all applicable federal, provincial, and municipal taxes.
 - .1 However, they do not include any amount for the Goods and Services Tax (GST) or Harmonized Sales Tax (HST). The appropriate GST/HST amounts will be paid by Canada 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.
- .4 Payment by Canada 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.
- .5 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.
- .6 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.
- .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 0800 and 1600 hours, Monday to Friday.

4. PRICES

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

1. Service call rates will be paid only on the initial call-out. Should the work carry over to subsequent days, the labour rates only will apply.
2. Overtime must be authorized in advance by the Project Authority.
3. For work carried over to subsequent days, accommodations will be reimbursed as per Travel Directive Policy. The current Travel Directive Policy is available at the following website. Accommodations costs are not to include a mark-up and must be supported with receipts.

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	Est. Hours/ Quantity	Unit Price \$	Estimated total price \$
1	Service call including the first hour of on-site productive labour:				
A	During Regular Working Hours (Monday through Friday, 08:00 - 16:00)				
i	Bricklayer Foreman	Per Call	2	\$ _____/Call	\$ _____
ii	Bricklayer Journeyman	Per Call	2	\$ _____/Call	\$ _____
iii	Labourer	Per Call	2	\$ _____/Call	\$ _____
B	Outside Regular Working Hours (Monday through Friday)				
i	Bricklayer Foreman	Per Call	1	\$ _____/Call	\$ _____
ii	Bricklayer Journeyman	Per Call	1	\$ _____/Call	\$ _____
iii	Labourer	Per Call	1	\$ _____/Call	\$ _____
C	Outside Regular Working Hours (Weekends and Statutory Holidays)				
i	Bricklayer Foreman	Per Call	1	\$ _____/Call	\$ _____
ii	Bricklayer Journeyman	Per Call	1	\$ _____/Call	\$ _____
iii	Labourer	Per Call	1	\$ _____/Call	\$ _____
2	Labour only in addition to the above:				
A	During Regular Working Hours (Monday through Friday, 08:00 - 16:00)				
i	Bricklayer Foreman	Per Hour	80	\$ _____/Hour	\$ _____
ii	Bricklayer Journeyman	Per Hour	80	\$ _____/Hour	\$ _____
iii	Labourer	Per Hour	80	\$ _____/Hour	\$ _____
B	Outside Regular Working Hours (Monday through Friday)				
i	Bricklayer Foreman	Per Hour	30	\$ _____/Hour	\$ _____
ii	Bricklayer Journeyman	Per Hour	30	\$ _____/Hour	\$ _____
iii	Labourer	Per Hour	30	\$ _____/Hour	\$ _____
C	Outside Regular Working Hours (Weekends and Statutory Holidays)				
i	Bricklayer Foreman	Per Hour	30	\$ _____/Hour	\$ _____

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ii	Bricklayer Journeyman	Per Hour	30	\$ _____/Hour	\$ _____
iii	Labourer	Per Hour	30	\$ _____/Hour	\$ _____
3	On-site kick off meeting including all applicable costs (one meeting at the of the Standing Offer if applicable; no applicable if meeting is conducted by teleconference)	Meeting	1	\$ _____	\$ _____
4	Contractor's Mark up on Allowance for unspecified material, replacement parts, required permits and certificates. (% mark up x \$15,000 =) Verification of Offeror's cost to be provided upon request of the Project Authority	%	\$15,000.00	_____ %	\$ _____
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	Est. Hours/ Quantity	Unit Price \$	Estimated total price \$
1	Service call including the first hour of on-site productive labour:				
A	During Regular Working Hours (Monday through Friday, 08:00 - 16:00)				
i	Bricklayer Foreman	Per Call	2	\$ /Call	\$
ii	Bricklayer Journeyman	Per Call	2	\$ /Call	\$
iii	Labourer	Per Call	2	\$ /Call	\$
B	Outside Regular Working Hours (Monday through Friday)				
i	Bricklayer Foreman	Per Call	1	\$ /Call	\$
ii	Bricklayer Journeyman	Per Call	1	\$ /Call	\$
iii	Labourer	Per Call	1	\$ /Call	\$
C	Outside Regular Working Hours (Weekends and Statutory Holidays)				
i	Bricklayer Foreman	Per Call	1	\$ /Call	\$
ii	Bricklayer Journeyman	Per Call	1	\$ /Call	\$
iii	Labourer	Per Call	1	\$ /Call	\$
2	Labour only in addition to the above:				
A	During Regular Working Hours (Monday through Friday, 08:00 - 16:00)				
i	Bricklayer Foreman	Per Hour	80	\$ /Hour	\$
ii	Bricklayer Journeyman	Per Hour	80	\$ /Hour	\$
iii	Labourer	Per Hour	80	\$ /Hour	\$
B	Outside Regular Working Hours (Monday through Friday)				
i	Bricklayer Foreman	Per Hour	30	\$ /Hour	\$
ii	Bricklayer Journeyman	Per Hour	30	\$ /Hour	\$
iii	Labourer	Per Hour	30	\$ /Hour	\$
C	Outside Regular Working Hours (Weekends and Statutory Holidays)				
i	Bricklayer Foreman	Per Hour	30	\$ /Hour	\$
ii	Bricklayer Journeyman	Per Hour	30	\$ /Hour	\$
iii	Labourer	Per Hour	30	\$ /Hour	\$
3	On-site kick off meeting including all applicable costs (one meeting at the of the Standing Offer if applicable; no applicable if meeting is conducted by teleconference)	Meeting	1	\$	\$
4	Contractor's Mark up on Allowance for unspecified material, replacement parts, required permits	%	\$15,000.00	%	\$

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and certificates. (% mark up x \$15,000 =) Verification of Offeror's cost to be provided upon request of the Project Authority				
Sub Total A): Estimated Total Amount 1st Year GST/HST Extra				\$_____

4.1 Unit Price Schedules - Rates (continued)**SCHEDULE C) Year 3**

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6
Item	Class of Labour, material or plant	Unit	Est. Hours/ Quantity	Unit Price \$	Estimated total price \$
1	Service call including the first hour of on-site productive labour:				
A	During Regular Working Hours (Monday through Friday, 08:00 - 16:00)				
i	Bricklayer Foreman	Per Call	2	\$ /Call	\$
ii	Bricklayer Journeyman	Per Call	2	\$ /Call	\$
iii	Labourer	Per Call	2	\$ /Call	\$
B	Outside Regular Working Hours (Monday through Friday)				
i	Bricklayer Foreman	Per Call	1	\$ /Call	\$
ii	Bricklayer Journeyman	Per Call	1	\$ /Call	\$
iii	Labourer	Per Call	1	\$ /Call	\$
C	Outside Regular Working Hours (Weekends and Statutory Holidays)				
i	Bricklayer Foreman	Per Call	1	\$ /Call	\$
ii	Bricklayer Journeyman	Per Call	1	\$ /Call	\$
iii	Labourer	Per Call	1	\$ /Call	\$
2	Labour only in addition to the above:				
A	During Regular Working Hours (Monday through Friday, 08:00 - 16:00)				
i	Bricklayer Foreman	Per Hour	80	\$ /Hour	\$
ii	Bricklayer Journeyman	Per Hour	80	\$ /Hour	\$
iii	Labourer	Per Hour	80	\$ /Hour	\$
B	Outside Regular Working Hours (Monday through Friday)				
i	Bricklayer Foreman	Per Hour	30	\$ /Hour	\$
ii	Bricklayer Journeyman	Per Hour	30	\$ /Hour	\$
iii	Labourer	Per Hour	30	\$ /Hour	\$
C	Outside Regular Working Hours (Weekends and Statutory Holidays)				
i	Bricklayer Foreman	Per Hour	30	\$ /Hour	\$
ii	Bricklayer Journeyman	Per Hour	30	\$ /Hour	\$
iii	Labourer	Per Hour	30	\$ /Hour	\$
3	On-site kick off meeting including all applicable costs (one meeting at the of the Standing Offer if applicable; no applicable if meeting is conducted by teleconference)	Meeting	1	\$	\$
4	Contractor's Mark up on Allowance				

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for unspecified material, replacement parts, required permits and certificates. (% mark up x \$15,000 =) Verification of Offeror's cost to be provided upon request of the Project Authority	%	\$15,000.00	_____ %	\$ _____
Sub Total A): Estimated Total Amount 1st Year GST/HST Extra				\$ _____

4.2 TOTAL EVALUATED PRICE (Initial 1st Year + 2nd Year + 3rd Year)

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)
\$ _____	\$ _____	\$ _____	\$ _____ 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.

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APPENDIX 1
COMPLETE LIST OF EACH INDIVIDUAL WHO IS CURRENTLY ON THE OFFEROR'S
BOARD OF DIRECTORS

NOTE TO OFFERORS: LEGIBLY PRINT OR TYPE DIRECTOR' SURNAMES AND GIVEN NAMES

NOTE TO OFFERORS: LEGIBLY PRINT OR TYPE DIRECTOR' SURNAMES AND GIVEN NAMES

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APPENDIX 2 - VOLUNTARY CERTIFICATION TO SUPPORT THE USE OF APPRENTICES

Note; The contractor will be asked to fill out a report every six months as included a Annex G

Name: _____

Signature: _____

Company Name: _____

Company Legal Name: _____

Solicitation Number: _____

Optional information to provide: _____

Number of apprentices planned to be working on this contract: _____

Trades of those apprentices:

A sample of the "Voluntary Reports for Apprentices Employed during the Contract" is provided at Annex G

Solicitation No. - N° de l'invitation

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ANNEX F

The Insurance Terms have been amended. Refer to Part 6 clause 3.

Please see the attached PDF document "Certificate of Insurance"

**ANNEX G - VOLUNTARY REPORT FOR APPRENTICES EMPLOYED DURING THE CONTRACT
(Sample)**

(This report is not required at bid deposit)

The Contractor should compile and maintain records on the number of apprentices and their trade that were hired to work on the contract.

The Contractor should provide this data in accordance with the format below. If no apprentices were hired during the contract period, the Contractor should still provide a "nil" report.

The data should be submitted six months after the Contract award or at the end of the Contract, whichever comes first to the Contracting Authority.

Number of apprentices hired	Trade

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ANNEX H

Refer to the attached SRCL

**DEPARTMENT OF NATIONAL DEFENCE
4 WING - CFB COLD LAKE
WING CONSTRUCTION ENGINEERING**

**STANDING OFFER AGREEMENT (SOA)
FOR**

REPAIR OF REFRACTORY MATERIALS 2015



**Job Number:
Date:
Design OPI:
Contract Engineer:**

**L-C252-9900/374
30 Jan 2015
Dwight Schock
Scott Gillrie**

<u>Section</u>	<u>Title</u>	<u>Pages</u>
<u>Division 01 - General Requirements</u>		
01 00 00	Annexes and Drawings	1
01 00 01	General Instructions	8
01 33 00	Submittal Procedures	5
01 35 27	Special Procedures: Airports in Use	3
01 35 30	Health and Safety Requirements	7
01 35 35	DND Fire Safety Requirements	6
01 35 43	Environmental Procedures	4
01 42 00	References	5
01 51 00	Temporary Utilities	3
01 74 11	Cleaning	4
01 77 00	Closeout Procedures	2
01 78 00	Closeout Submittals	10
<u>Division 04 - Masonry</u>		
04 05 00	COMMON WORK RESULTS FOR MASONRY-REFRACTORY	7

LIST OF ANNEXES

<u>ANNEX NO.</u>	<u>TITLE</u>
ANNEX A	4 Wing Ground Disturbance Notice
ANNEX B	Hot Work Permit
ANNEX C	4 Wing Confined space Entry Permit
ANNEX D	Not Used
ANNEX E	4 Wing Road Closure Notice
ANNEX F	4 Wing Environmental Incident & Emergency Plan
ANNEX G	Equipment List

LIST OF DRAWINGS No Drawings included

END

PART 1 - GENERAL

- 1.1 Description of Work .1 Work under this Contract comprises the supply of all labour, materials, tools, equipment, transportation and supervision necessary to repair, replace/refurbish refractory and brick work in boilers in base buildings for the Department of National Defence, 4 Wing Cold Lake, Cold Lake, AB.
- 1.2 Security Authorization .1 This project will be issued with Security Mitigation Measures.
- 1.3 Contract Administration .1 This contract will be administered in English.
- 1.4 Documents Required .1 Maintain at job site, one copy each of the following:
 .1 Contract drawings.
 .2 Specifications.
 .3 Addenda.
 .4 Reviewed shop drawings.
 .5 Change orders.
 .6 Other modifications to Contract.
 .7 Copy of approved work schedule.
 .8 Manufacturers' installation and application instructions.
- 1.5 Work Schedule .1 Provide within 3 working days after call-up, construction schedule showing anticipated progress stages and final completion of work within time period required by call-up documents.
 .2 Interim reviews of work progress based on work schedule will be conducted as deemed by DND Rep and schedule updated by Contractor in conjunction with and to approval of DND Rep.
-

1.6 Contractor's Use of Site

- Exclusive and complete for execution of work except as follows:
- .1 Movement around site shall be subject to restrictions imposed by Wing Commander and/or DND Rep.
 - .2 Do not unreasonably encumber site with materials or equipment.
 - .3 Execute work with the least possible interference or disturbance to occupants and normal use of premises.
 - .2 PLER/Jimmy Lake special precautions:
 - .1 Day to day restrictions enroute to Jimmy Lake site may occur from time to time while military live range missions are underway. These restrictions are usually of short duration in terms of hours however may result in a full day.
 - .2 No work will be permitted during the multi-nation Maple Flag exercises.
 - .3 Normal working hours are from 0730 to 1600 but are subject to change.
 - .4 Weekend work is permitted with special arrangements.
 - .5 Obtain permission from Wing Operation Range Control 48hrs before proceeding to site.

1.7 Property Damage

- .1 Contractor is responsible to make good any damage to DND property resulting from his work conducted on site. Repairs shall be carried out at the contractors expense.
- .2 The contractor shall immediately notify the DND Rep or Contracting Authority of any damage incident. Damage to any surface feature or underground utility are included in this definition such as gas lines, power lines, water lines, buildings, survey markers, etc.
- .3 Any tree removed or damaged during the work must be replaced with a trees equalling the total diameter of trees removed. The replacement trees should be no less than half the calliper of the trees that are damaged/removed. CE Roads and Grounds (Loc 8432) should be contacted for a list of preferred species; each area will have specific requirements based on location, soils proximity to paved areas, moisture etc.

-
- 1.8 Codes and Standards .1 Perform work in accordance with the latest edition of National Building Code of Canada (NBC), and any other code of provincial or local application provided that in any case of conflict or discrepancy, the more stringent requirements shall apply.
- 1.9 Workmanship .1 Workmanship:
.1 Workmanship shall be executed by workers qualified in respective duties for which they are employed.
.2 Decisions as to quality or fitness of workmanship, in case of dispute, rest solely with DND Rep, whose decision is final.
- .2 Qualification:
.1 All work shall be carried out by qualified journeyman or apprentice in accordance with the conditions of the Alberta Provincial Act respecting manpower, vocational training and qualification.
.2 Apprenticed employees registered in the provincial apprenticeship program shall be permitted to work only under the direct supervision of a qualified journeyman.
- 1.10 Project Meetings .1 DND Rep will arrange project meetings, assume responsibility for setting times and recording and distributing minutes.
- 1.11 Project Layout .1 Assume full responsibility for and execute completelayout of work to locations, lines and elevations indicated.
- .2 Provide devices as required to lay out and construct project.
- .3 Supply such devices as straight edges and templates required to facilitate DND Rep's inspection of work.
- .4 Supply stakes and other survey markers required for project layout.
-

1.12 Location of
Equipment and
Fixtures

- .1 Location of equipment, fixtures and outlets indicated or specified are to be considered as approximate.
- .2 Locate equipment, fixtures and distribution systems to provide minimum interference and maximum usable space and in accordance with manufacturer's recommendations for safety, access and maintenance.
- .3 Inform DND Rep of impending installations and obtain approval for actual location.
- .4 Submit field drawings to indicate relative position of various services and equipment as required by DND Rep.
- .5 Before the start of construction, the Contractor will be responsible to identify and preserve DND Survey Monuments.
- .6 If during construction, Contractor discovers a DND Survey Monument, (complete with marker post, 50 mm round pipe with 75 x 100 mm aluminium plate), do not disturb the area, carefully preserve survey monuments and inform DND Rep before proceeding.
- .7 Should a DND Survey Monument be disturbed during construction, the Contractor will be responsible to re-survey and replace if the Monument if necessary, by a certified land surveyor approved by DND Rep.

1.13 Cutting and
Patching

- .1 Execute cutting, including excavation, fitting and patching required to allow proper fitting of construction elements.
- .2 Where new elements connect with existing and where existing are altered, cut, patch and make good to match existing.
- .3 Obtain DND Rep's approval before cutting, boring or sleeving load-bearing members.
- .4 Make cuts with clean, true, smooth edges. Make patches inconspicuous in final assembly.
- .5 Fit construction elements to pipes, sleeves, ducts and conduits.

1.14 Existing
Services

- .1 It is the Contractor's ultimate responsibility to obtain a properly completed "CE Work Clearance Request form" (Annex A) to establish the location and extent of service lines in the area of work, before any clearing/digging is started.
- .2 Ten working days prior to the scheduled start date, the Contractor shall complete the "CE Work Clearance Request form".
- .3 The DND Rep will arrange for the form to be completed and signed by the authorized representative for:
 - .1 Electrical Distribution.
 - .2 POL Distribution.
 - .3 Sewer/Water/Drainage System.
 - .4 Heating Plant.
 - .5 Fire Department.
 - .6 UGSO (Unit General Safety Officer).
 - .7 W TIS
 - .8 Wing Operations.
 - .9 Commercial Utility Companies.
 - .10 Telus (Ticket Number)
 - .11 Alberta First Call
- .4 Where work involves breaking into or connecting to existing services, carry out work at times directed by governing authorities, with minimum of disturbance to pedestrian and vehicular traffic.
- .5 Submit schedule to and obtain approval from DND Rep for any shut-down or closure of active service or facility. Adhere to approved schedule and provide notice to affected parties.
- .6 Where unknown services are encountered, immediately advise DND Rep and confirm findings in writing.
- .7 Remove abandoned service lines within 2 m of structures. Cap or otherwise seal lines at cut-off points as directed by DND Rep.
- .8 Record locations of maintained, re-routed and abandoned service lines.

- | | | |
|--|----|---|
| <u>1.15 Additional Drawings</u> | .1 | DND Rep may furnish, if requested, additional copies of drawings and specifications. |
| <u>1.16 Alterations, Additions or Repairs to Existing Building</u> | .1 | Execute work with least possible interference or disturbance to occupants, public and normal use of premises. Arrange with DND Rep to facilitate execution of work. |
| | .2 | Where security has been affected by work of Contract, provide temporary means to maintain security. |
| | .3 | Where elevators or conveyors exist in building, only those assigned for Contractor's use may be used for moving men and material within building. Protect walls of passenger elevators to approval of DND Rep before use. Accept liability for damage, safety of equipment and overloading of existing equipment. |
| | .4 | Provide temporary dust screens, barriers, and warning signs in locations where renovation and alteration work is adjacent to areas used by public or government staff. |
| <u>1.17 Restoration of Disturbed Surfaces</u> | .1 | The Contractor shall be responsible for the restoration of all disturbed areas including adjacent areas to excavations, disturbed grassed areas, hard surfaces and any other area damaged due to work carried out, as indicated and to the satisfaction of the DND Rep. |
| <u>1.18 Building Smoking Environment</u> | .1 | 4 Wing Cold Lake has a smoking policy in effect. Contractor is to obtain a copy from DND Rep and adhere to it. |
| <u>1.19 Asbestos Discovery</u> | .1 | If, during execution of contract work, workers uncover or disturb suspected asbestos products that are not covered in the contract specifications, STOP work in that area and advise DND Rep. |
| | .2 | Disturbing spray-applied asbestos, trowel-applied asbestos, asbestos pipe insulation or mechanical equipment asbestos |
-

-
- 1.19 Asbestos Discovery (Cont'd)
- .2 (Cont'd)
insulation can be hazardous to health of workers and public. Should any asbestos be encountered in course of work, immediately stop and notify Technical Authority. Do not proceed until written instructions have been received from Technical Authority
- 1.20 Security
- .1 Access
.1 Work carried out under the terms of this contract will be conducted within the General Restricted Area (GRA) where special and unique security regulations are enforced. Individuals without authorized passes in their possession will not be permitted to enter the GRA.
- .2 Clearances
.1 Work clearance will be granted in two possible ways, please see clause 1.2 for authorization:
.1 Security Mitigation Measures
- .3 Security Mitigation Measures
.1 In the case of Security Mitigation Measures, contractor will have access to the GRA only under full time escort.
.2 At no time shall the contractor's employees or sub-contractors be found within the GRA without an authorized pass and escort.
.3 Every effort will be made to provide escorts according to the provided construction schedule.
.4 The Contractor shall give minimum 48 hours notice (two working days) for the processing of the information and subsequent issue of the passes. The Contractor shall ensure that all employees are advised not to enter the GRA without prior authorization (GRA pass) and government issued photo identification.
- .4 CLAWR (Cold Lake Air Weapons Range) Special conditions.
.1 The contractor shall provide DND a list of personnel who need access to the area to perform work under the terms of the contract.
.2 All personnel are required to attend a 1 hour "Range Safety Briefing" prior to conducting any work or accessing the PLER site.
.3 Contractor shall provide schedule minimum 14 days in advance of scheduled work on site. Any changes to this schedule shall be
-

1.20 Security
(Cont'd)

- .4 (Cont'd)
.3 (Cont'd)
provided to the inspector at a minimum of 48 hours advance notice (two working days) for processing of information and subsequent clearances to PLER. The Contractor shall ensure that all employees are advised not to enter the PLER without prior authorization.
.4 Information that the contractor must provide for access: name of individual(s), dates and times for access, location of work, phone number, drivers licence.
.5 Work clearance will be granted by DND through Wing Operations Mr Dick Brakely @ local 7978.
.6 The Contractor shall be responsible for his sub-contractors, ensuring all security related requirements are met.
.7 Garbage or refuse shall be removed off the CLAWR.
.8 Feeding wildlife is prohibited.
.9 All meals must be prepared and consumed in a suitable enclosed space or building.
.10 Report to Range Safety Officer (RSO) as required by DND.
.11 The Contractor shall provide a list of employees and sub-contractors, complete with telephone numbers, who may be contacted during non-working hours in the event of any emergency.

PART 2 - PRODUCTS

2.1 Not Used .1 Not Used.

PART 3 - EXECUTION

3.1 Not Used .1 Not Used.

PART 1 - GENERAL

- | | |
|-------------------------------|---|
| <u>1.1 Section Includes</u> | <ul style="list-style-type: none">.1 Shop drawings and product data..2 Samples. |
|
<u>1.2 Administrative</u> | <ul style="list-style-type: none">.1 Submit to DND Rep submittals listed for review. Submit with reasonable promptness and in orderly sequence so as to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for an extension of Contract Time and no claim for extension by reason of such default will be allowed..2 Work affected by submittal shall not proceed until review is complete..3 Present shop drawings, product data, samples and mock-ups in SI Metric units..4 Where items or information is not produced in SI Metric units converted values are acceptable..5 Review submittals prior to submission to DND Rep. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been checked and co-ordinated with requirements of Work and Contract Documents. Submittals not stamped, signed, dated and identified as to specific project will be returned without being examined and shall be considered rejected..6 Notify DND Rep, in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations..7 Verify field measurements and affected adjacent Work are coordinated..8 Contractor's responsibility for errors and omissions in submission is not relieved by DND Rep's Consultant's review of submittals..9 Contractor's responsibility for deviations in submission from requirements of Contract |
-

- 1.2 Administrative (Cont'd)
- .9 (Cont'd)
Documents is not relieved by DND Rep
Consultant review.
- .10 Keep one reviewed copy of each submission on
site.
- 1.3 Shop Drawings
- .1 The term "shop drawings" means drawings,
diagrams, illustrations, schedules,
performance charts, brochures and other data
which are to be provided by Contractor to
illustrate details of a portion of Work.
- .2 Indicate materials, methods of construction
and attachment or anchorage, erection
diagrams, connections, explanatory notes and
other information necessary for completion of
Work. Where articles or equipment attach or
connect to other articles or equipment,
indicate that such items have been
coordinated, regardless of Section under which
adjacent items will be supplied and installed.
Indicate cross references to design drawings
and specifications.
- .3 Allow 10 days for DND Rep's review of each
submission.
- .4 Adjustments made on shop drawings by DND Rep
are not intended to change Contract Price. If
adjustments affect value of Work, state such
in writing to DND Rep prior to proceeding with
Work.
- .5 Make changes in shop drawings as DND Rep may
require, consistent with Contract Documents.
When resubmitting, notify DND Rep in writing
of any revisions other than those requested.
- .6 Accompany submissions with transmittal letter
containing:
- .1 Date.
- .2 Project title and number.
- .3 Contractor's name and address.
- .4 Identification and quantity of each shop
drawing, product data and sample.
- .5 Other pertinent data.
- .7 Submissions shall include:
- .1 Date and revision dates.
- .2 Project title and number.
-

1.3 Shop Drawings
(Cont'd)

- .7 Submissions shall include:(Cont'd)
- .3 Name and address of:
 - .1 Subcontractor.
 - .2 Supplier.
 - .3 Manufacturer.
 - .4 Contractor's stamp, signed by Contractor's authorized representative certifying approval of submissions, verification of field measurements and compliance with Contract Documents.
 - .5 Details of appropriate portions of Work as applicable:
 - .1 Fabrication.
 - .2 Layout, showing dimensions, including identified field dimensions, and clearances.
 - .3 Setting or erection details.
 - .4 Capacities.
 - .5 Performance characteristics.
 - .6 Standards.
 - .7 Operating weight.
 - .8 Wiring diagrams.
 - .9 Single line and schematic diagrams.
 - .10 Relationship to adjacent work.
 - .8 After DND Rep's review, distribute copies.
 - .9 Submit shop drawings for each requirement requested in specification Sections and as consultant may reasonably request.
 - .10 Submit product data sheets or brochures for requirements requested in specification Sections and as requested by DND Rep where shop drawings will not be prepared due to standardized manufacture of product.
 - .11 All submittals to be in electronic format (PDF) unless otherwise requested by the DND Rep.
 - .12 Delete information not applicable to project.
 - .13 Supplement standard information to provide details applicable to project.
 - .14 If upon review by DND Rep, no errors or omissions are discovered or if only minor corrections are made, copies will be returned and fabrication and installation of Work may proceed. If shop drawings are rejected, noted copy will be returned and resubmission of corrected shop drawings, through same procedure indicated above, must be performed
-

1.3 Shop Drawings
(Cont'd)

- .14 (Cont'd)
before fabrication and installation of Work may proceed.
- .15 The review of shop drawings by Department of National Defence (DND) is for sole purpose of ascertaining conformance with general concept. This review shall not mean that DND approves detail design inherent in shop drawings, responsibility for which shall remain with Contractor submitting same, and such review shall not relieve Contractor of responsibility for errors or omissions in shop drawings or of responsibility for meeting all requirements of construction and Contract Documents. Without restricting generality of foregoing, Contractor is responsible for dimensions to be confirmed and correlated at job site, for information that pertains solely to fabrication processes or to techniques of construction and installation and for co-ordination of Work of all sub-trades.

1.4 Product Data

- .1 Manufacturers' catalogue sheets, brochures, literature, performance charts and diagrams, used to illustrate standard manufactured products.
- .2 Submit electronic copies of product data.
- .3 Sheet size: 215 x 280 mm.
- .4 Delete information not applicable to project.
- .5 Supplement standard information to provide details applicable to project.
- .6 Cross-reference product data information to applicable portions of Contract documents.

1.5 Samples

- .1 Submit for review samples in duplicate as requested in respective specification Sections. Label samples with origin and intended use.
- .2 Deliver samples prepaid to DND Rep.
- .3 Notify DND Rep in writing, at time of submission of deviations in samples from requirements of SOA Documents.
-

- | | |
|---------------------------------|--|
| <u>1.5 Samples
(Cont'd)</u> | <p>.4 Where colour, pattern or texture is
criterion, submit full range of samples.</p> <p>.5 Adjustments made on samples by DND Rep are
not intended to change Contract Price. If
adjustments affect value of Work, state such
in writing to DND Rep prior to proceeding with
Work.</p> <p>.6 Make changes in samples which DND Rep may
require, consistent with Contract Documents.</p> <p>.7 Reviewed and accepted samples will become
standard of workmanship and material against
which installed Work will be verified.</p> |
|---------------------------------|--|

PART 2 - PRODUCTS

- | | |
|---------------------|---------------------|
| <u>2.1 Not Used</u> | <p>.1 Not Used.</p> |
|---------------------|---------------------|

PART 3 - EXECUTION

- | | |
|---------------------|---------------------|
| <u>3.1 Not Used</u> | <p>.1 Not Used.</p> |
|---------------------|---------------------|

END

PART 1 - GENERAL

- | | |
|--|---|
| <u>1.1 General Protection</u> | .1 Do not disrupt airport business except as permitted by DND Rep . |
| | .2 Provide temporary protection for safe handling of public, personnel, pedestrians and vehicular traffic: |
| | .3 Provide barricades and lights where directed. |
| <u>1.2 Movement of Equipment and Personnel</u> | .1 In areas of airport not closed to aircraft traffic:
.1 Obtain DND Rep's approval on scheduling of Work.
.2 Control movements of equipment and personnel as directed by DND Rep .
.3 Provide qualified field personnel at locations designated by DND Rep to relay signals from airport traffic control tower to equipment and personnel wishing to cross live traffic areas.
.4 Obey signals from airport traffic control tower instantly. |
| <u>1.3 Unserviceable Areas</u> | .1 Mark off areas made unserviceable for aircraft by Work of this Contract by providing plainly visible danger markings by day and red lights by night. Open flames and inflammable fuels are not permitted. |
| | .2 Park equipment not in use and stockpile materials so that stockpile tops are below 50 to 1 ratio from ends of useable landing strip and below 20 to 1 ratio from sides of aircraft traffic areas. Mark tops with red lights. |
| <u>1.4 Trenching</u> | .1 Obtain DND Rep's written permission to undertake trenching on pavements open to aircraft traffic which cannot be completed, backfilled and sealed within one working day. |
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| <u>1.5 Airport Facilities</u> | .1 | DND Rep will arrange for the location of underground facilities such as cables, pipes and ducts. Notify DND Rep of work areas sufficiently in advance of operations so that underground facilities can be located. |
| <u>1.6 Paint Markings</u> | .1 | Any paint applied to the aerodrome surface must be approved by DND Rep. |
| | .2 | All markings must be of non permanent type such as chalk or water soluble paint. |
| <u>1.7 Radio Communications</u> | .1 | Base authority will assign call signs. |
| | .2 | Do not use control tower frequencies for idle chatter. |
| <u>1.8 Flight Safety</u> | .1 | Prior to permitting personnel to cross active runways, taxiways, parking aprons or working within 60 m of active facility, establish radio contact with control tower and obtain specific clearances. |
| | .2 | Prior to starting work, obtain necessary closure of adjacent facilities. |
| | .3 | Maintain continuous radio watch. Obey all instructions promptly and explicitly. |
| | .4 | Radio:
.1 The Contractor's personnel and equipment authorized to enter the security area, will be given a DND two-way radio. If no radio are available, the Contractor shall be escorted to cross runways, taxiways or parking aprons.
.2 Any Contractor's employee found outside of the work site limit, will have his security pass revoked and will no longer be allowed inside the security area. |
| <u>1.9 Cleaning FOD</u> | .1 | Where travel routes cross active runways, taxiways or parking aprons, broom clean immediately. |
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- 1.9 Cleaning FOD (Cont'd)
- .2 Where access routes cross active runways, taxiways or parking aprons, keep crossings free of mud and debris at all times.
- .3 See Section 01 74 11 - Cleaning for further FOD info.

PART 2 - PRODUCTS

- 2.1 Not Used
- .1 Not Used.

PART 3 - EXECUTION

END

PART 1 - GENERAL

- 1.1 Precedence
- .1 For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual.
 - .2 The contractor will be acting as the Prime Contractor for this contract and will certify this agreement in writing with the DND representative. Refer to Annex D for prime contractors's Agreement.
- 1.2 References
- .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations.
 - .2 Province of Alberta Occupational Health and Safety Act, R.S.A. 1980.
- 1.3 Submittals
- .1 Make submittals in accordance with Section 01 33 00 - Submittal Procedures.
 - .2 Submit site-specific Health and Safety Plan: Within 7 days after date of Notice to Proceed and prior to commencement of Work. Health and Safety Plan must include:
 - .1 Results of site specific safety hazard assessment.
 - .2 Results of safety and health risk or hazard analysis for site tasks and operation found in work plan.
 - .3 Submit copies of Contractor's authorized representative's work site health and safety inspection reports to DND Rep weekly.
 - .4 Submit copies of reports or directions issued by Federal, Provincial and Territorial health and safety inspectors.
 - .5 Submit copies of incident and accident reports.
 - .6 Submit Material Safety Data Sheets (MSDS) to DND Rep.
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| <u>1.3 Submittals
(Cont'd)</u> | .7 | DND Rep will review Contractor's site-specific Health and Safety Plan and provide comments to Contractor within 10days after receipt of plan. Revise plan as appropriate and resubmit plan to DND Rep within 10 days after receipt of comments from DND Rep. |
| | .8 | DND Rep 's review of Contractor's final Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction Health and Safety. |
| | .9 | Medical Surveillance: Where prescribed by legislation, regulation or safety program, submit certification of medical surveillance for site personnel prior to commencement of Work, and submit additional certifications for any new site personnel to DND Rep. |
| | .10 | On-site Contingency and Emergency Response Plan: Address standard operating procedures to be implemented during emergency situations. |
| <u>1.4 Filing of
Notice</u> | .1 | File Notice of Project with Provincial authorities prior to commencement of Work. |
| <u>1.5 Safety
Assessment</u> | .1 | Perform site specific safety hazard assessment related to project. |
| <u>1.6 Meetings</u> | .1 | Schedule and administer Health and Safety meeting with DND Rep prior to commencement of Work. |
| <u>1.7 Project/Site
Conditions</u> | .1 | Work at site may involve contact with:
.1 Asbestos.
.2 Lead Paint |
| <u>1.8 General
Requirements</u> | .1 | Develop written site-specific Health and Safety Plan based on hazard assessment prior to commencing any site Work and continue to implement, maintain, and enforce plan until final demobilization from site. Health and |
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1.8 General
Requirements
(Cont'd)

- .1 (Cont'd)
Safety Plan must address project specifications.
- .2 DND Rep may respond in writing, where deficiencies or concerns are noted and may request re-submission with correction of deficiencies or concerns.

1.9 Responsibility

- .1 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .2 Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

1.10 Compliance Requirements

- .1 Comply with Occupational Health and Safety Act, General Safety Regulation, Alberta. Reg. 1980 and 4 Wing Safety Measures listed below.
 - .2 Contractors and their personnel shall be familiar with this section and its requirements.
 - .3 Observe and enforce construction safety measures required by National Building Code 2005, Part 8; Provincial Government, Workmen's Compensation Board and municipal statutes and authorities.
 - .4 Hard hats and safety boots shall be worn at all times at construction site and while operating mobile machinery.
 - .5 Eye or face protection shall be worn when handling any material liable to injure or irritate the eyes or when engaging in any work producing hazard from flying objects or when operating power lawn equipment and tools.
 - .6 Hearing protection shall be worn when entering or working in a noise hazardous area. This is to include, but not limited, to the flight line when aircraft are running, shop operations where sound levels exceed 85
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1.10 Compliance
Requirements
(Cont'd)

- .6 (Cont'd)
decibels and operators of vehicles or
equipment which produce excessive noise.
 - .7 Respirators shall be worn when a worker is or
may be exposed to an oxygen deficient area or
to harmful concentration of gas, vapours,
smoke, fumes, mist or dust.
 - .8 All employees who handle or are exposed to
hazardous materials as defined under the
Hazardous Product Act (WHMIS Legislation)
shall be WHMIS trained in accordance with the
act.
 - .9 Material safety data sheets (MSDS) for all
materials falling under the WHMIS program
shall be supplied to the work site by the
Contractor/Sub-contractor or user(s), and
readily accessible to all on-site personnel.
 - .10 No employee shall enter or be permitted to
enter a hazardous confined space unless such
entry is made in compliance with Occupational
Safety and Health and Labour Canada Standards.
 - .11 Confined spaces entry permit must be obtained
from the Fire Department and completed prior
to the entry into a confined space.
 - .12 Safety belts and lifelines shall be worn when
working at heights greater than 3.26 metres
above floor level where it is impractical to
provide adequate work platforms or staging.
 - .13 All elevated work sites shall have the area
underneath cordoned off to prevent injuries
from falling debris.
 - .14 All construction sites which present a
potential hazard to the public shall be
properly cordoned off and signs prominently
placed, warning of possible dangers.
 - .15 No burning, cutting, welding or use of any
heat producing device is allowed without a hot
work permit from the Fire Department (Annex
B). A pre-work inspection and post-work
inspection is mandatory.
 - .1 Fire Department phone number for
Safety/Fire Inspector is:
 - .1 840-8000 ext 8198.
 - .16 All accidents are to be reported through the
DND Rep immediately.
-

1.10 Compliance Requirements (Cont'd)

- .17 In addition to these 4 Wing Cold Lake's General Safety Contractor Regulations, all Alberta Occupational Health and Safety Regulations shall be adhered to at all times.
- .18 In event of conflict between any provisions of above authorities the most stringent provisions govern.
- .1 The following are the known hazardous substances and/or hazardous conditions at the work site which will be considered as health or environmental hazards and shall be properly managed should they be encountered as part of the work.
- .2 Specific hazards that may impact significantly on the contract or present significant risk:
- a. Excavation
 - b. Hot work
 - c. Fall Hazards
 - d. Heavy Equipment
 - e. Overhead/underground Utilities
 - f. Traffic
- .3 Contractors are required to be aware of the known hazardous substances and/or hazardous conditions and are to include in their tender price all work associated in working with, in and around the hazards.
- .4 The above lists shall not be construed as being complete and inclusive of all safety and health hazards encountered as a result of the Contractor's operations during the course of work. Include the above items into the hazard assessment program specified herein.

1.11 Cell Phones

- .1 Use of cellular phones are prohibited within Refueling Compounds.
- .2 Cell phones shall not be operated within 15M of an aircraft.

1.12 Overloading

- .1 Ensure no part of work is subjected to loading that will endanger its safety or will cause permanent deformation.
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<u>1.13 Hazardous Material</u>	.1	All hazardous material must be identified and labelled in accordance with the Workplace Hazardous Material Information System (WHMIS) and copies of the Material Safety Data Sheet (MSDS) shall be supplied to both the Wing Fire Chief and DND Rep.
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<u>1.14 Unforeseen Hazards</u>	.1	Should any unforeseen or peculiar safety-related factor, hazard, or condition become evident during performance of Work, and follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction. Advise DND Rep verbally and in writing.
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<u>1.15 Health and Safety Co-ordinator</u>	.1	Employ and assign to Work, competent and authorized representative as Health and Safety Co-ordinator. Health and Safety Co-ordinator must: .1 Have minimum 2 years' site-related working experience specific to construction activities taking place. .2 Have working knowledge of occupational safety and health regulations. .3 Be responsible for completing Contractor's Health and Safety Training Sessions and ensuring that personnel not successfully completing required training are not permitted to enter site to perform Work. .4 Be responsible for implementing, enforcing daily and monitoring site-specific Contractor's Health and Safety Plan. .5 Be on site during execution of any hazardous Work and report directly to and be under direction of site supervisor.
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<u>1.16 Posting of Documents</u>	.1	Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province having jurisdiction, and in consultation with DND Rep.
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- 1.17 Correction of Non-Compliance
- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by DND Rep.
 - .2 Provide DND Rep with written report of action taken to correct non-compliance of health and safety issues identified.
 - .3 DND Rep may stop Work if non-compliance of health and safety regulations is not corrected.

- 1.18 Work Stoppage
- .1 Give precedence to safety and health of public and site personnel and protection of environment over cost and schedule considerations for Work.

PART 2 - PRODUCTS

- 2.1 Not Used
- .1 Not used.

PART 3 - EXECUTION

- 3.1 Not Used
- .1 Not used.

END

PART 1 - GENERAL

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|-------------------------------------|----|--|
| <u>1.1 Precedence</u> | .1 | For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual. |
| <u>1.2 Fire Department Briefing</u> | .1 | DND Rep will coordinate arrangements for contractor to be briefed on Fire Safety at their pre-work conference by Fire Chief before any work is commenced. |
| <u>1.3 Reporting Fires</u> | .1 | Know location of nearest fire alarm box and telephone, including emergency phone number. |
| | .2 | Report immediately all fire incidents to the Fire Department as follows:
.1 Activate nearest fire alarm box, or
.2 Telephone 911 in case of EMERGENCY ONLY. |
| | .3 | Person activating fire alarm box will remain at the front entrance to direct Fire Department to scene of fire. |
| | .4 | When reporting fire by telephone, give location of fire, name or number of building and be prepared to verify the location. |
| <u>1.4 Fire Safety Plan</u> | .1 | Submit a fire safety plan for the construction site prior to commencement of construction work. The fire safety plan shall conform to the National Fire Code of Canada. |
| | .2 | Post the fire safety plan at the entrance to the construction site or near the construction site's health and safety board. |
| | .3 | The fire safety plan shall conform to the National Fire Code of Canada, and shall contain, at minimum:
.1 Emergency procedures to be used in case of fire, including
.1 Sounding the fire alarm;
.2 Notifying the fire department;
.3 Instructing occupants on procedures to be followed when the fire alarm sounds; |

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|---|---|
| 1.4 Fire Safety Plan
(Cont'd) | .3 (Cont'd)
.1 (Cont'd)
.4 Evacuating occupants, including special provisions for persons requiring assistance; and
.5 Confining, controlling and extinguishing fires.
.2 The appointment and organization of designated supervisory staff to carry out fire safety duties.
.3 The training of supervisory staff and other occupants in their responsibilities for fire safety.
.4 Documents including diagrams, showing the type, location and operation of building fire emergency systems.
.5 The holding of fire drills (where applicable).
.6 The control of fire hazards in the building.
.7 The inspection and maintenance of building facilities provided for the safety of occupants. |
| 1.5 Interior and Exterior Fire Protection and Alarm Systems | .1 Fire protection and alarm system will not be:
.1 obstructed;
.2 shut-off; and
.3 left inactive at end of working day or shift without authorization from Fire Chief.
.2 Fire hydrants, standpipes and hose systems will not be used for other than fire-fighting purposes unless authorized by Fire Chief. |
| 1.6 Fire Protection System Impairment | .1 Notify the DND Representative and Fire Chief 48 hours prior to shutting down any active fire protection system, including water supply, fire suppression, fire detection and life safety systems.
.2 Implement all fire protection system impairments in accordance with the National Fire Code of Canada and departmental policy. |
| 1.7 Fire Extinguishers | .1 Supply fire extinguishers, as scaled by Fire Chief, necessary to protect work in progress and contractor's physical plant on site. |
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1.8 Installation
and/or Repair of
Roof to Include
Contractors
Physical Plant at
Site

- .1 Notify Fire Chief of location of any asphalt kettles and dates that kettles will be in use. Ensure personnel use and take precautions as follows :
 - .1 Use kettles equipped with thermometers or gauges in good working order.
 - .2 Locate kettles in safe place outside of building or, if approved by Fire Chief, on non-combustible roof. Locate to avoid danger of igniting combustible material below.
 - .3 Maintain continuous supervision while kettles are in operation and provide metal covers for kettles to smother any flames in case of fire. Fire extinguishers shall be provided as required in 1.4.
 - .4 Prior to start of work , demonstrate container capacities to Fire Chief.
 - .5 Use only glass fibre roofing mops.
 - .6 Used roofing mops will not be left unattended on roof and shall be stored away from building and combustible materials.
 - .7 All roofing materials will be stored in location no closer than 3 m to any structures.

1.9 Blockage of
Roadways

- .1 Advise Fire Chief of any work that would impede fire apparatus response. This includes violation of minimum overhead clearance, as prescribed by Fire Chief, erecting of barricades and digging of trenches.
- .2 Wing Transport shall be advised of any work that would impede "Emergency" vehicles located at:
 - .1 Building 4 - Fire Hall
 - .2 Building 5 - Wing Transport
 - .3 Building 785 - MP Station
 - .4 Building 75 - Ambulance location
- .3 Minimum horizontal clearance: clear width of not less than 5m.
- .4 Minimum vertical clearance: overhead height of not less than 6m.

1.10 Smoking
Precautions

- .1 Smoking is prohibited in all DND buildings. Observe posted smoking restrictions near existing buildings.

1.11 Rubbish and
Waste Materials

- .1 Rubbish and waste materials are to be kept to a minimum.
- .2 Burning of rubbish is prohibited.
- .3 Removal:
 - .1 Remove all rubbish from work site at end of work day or shift or as directed.
- .4 Storage:
 - .1 Store oily waste in approved receptacles to ensure maximum cleanliness and safety.
 - .2 Deposit greasy or oily rags and materials subject to spontaneous combustion in approved receptacles and removed as specified above.

1.12 Flammable and
Combustible Liquids

- .1 Handling, storage and use of flammable and combustible liquids are to be governed by the current National Fire Code of Canada.
- .2 Flammable and combustible liquids such as gasoline, kerosene and naphtha will be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing Underwriters' Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable and combustible liquids exceeding 45 litres for work purposes requires permission of Fire Chief.
- .3 Transfer of flammable and combustible liquids is prohibited within buildings or jetties.
- .4 Transfer of flammable and combustible liquids will not be carried out in vicinity of open flames or any type of heat-producing devices.
- .5 Flammable liquids having a flash point below 38° C such as naphtha or gasoline will not be used as solvents or cleaning agents.
- .6 Flammable and combustible waste liquids, for disposal, will be stored in approved containers located in a safe ventilated area. Quantities are to be kept to a minimum and Fire Department is to be notified when disposal is required.

1.13 Hazardous
Substances

- .1 Work entailing use of toxic or hazardous materials, chemicals and/or explosives, or otherwise creating hazard to life, safety or health, will be in accordance with National Fire Code of Canada.
- .2 Obtain from Fire Chief a "Hot Work" permit (Annex B) for work involving welding, burning or use of blow torches and salamanders, in buildings or facilities.
- .3 When Work is carried out in dangerous or hazardous areas involving use of heat, provide fire watchers equipped with sufficient fire extinguishers. Determination of dangerous or hazardous areas along with level of protection necessary for Fire Watch is at discretion of the Fire Chief. Contractors are responsible for providing fire watch service for work on a scale established and in conjunction with Fire Chief at pre-work conference.
- .4 Where flammable liquids, such as lacquers or urethanes are to be used, proper ventilation shall be provided and all sources of ignition are to be eliminated. Fire Chief is to be informed prior to and at cessation of such work.

1.14 Questions or
Clarifications

- .1 Direct any questions or clarification on Fire Safety in addition to above requirements to the DND representative. DND is responsible to obtain clarifications from the Fire Chief.

1.15 Fire
Inspection

- .1 Site inspections by Fire Chief will be coordinated through DND Rep.
 - .2 Allow Fire Chief unrestricted access to work site.
 - .3 Co-operate with Fire Chief during routine fire safety inspection of work site.
 - .4 Immediately remedy all unsafe fire situations observed by Fire Chief.
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PART 2 - PRODUCTS

2.1 Not Used .1 Not Used.

PART 3 - EXECUTION

3.1 Not Used .1 Not Used.

END

PART 1 - GENERAL

- 1.1 General .1 Comply with all federal, provincial, and municipal regulatory requirements and guidelines for environmental protection and natural resource conservation
- 1.2 Precedence .1 For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual.
- 1.3 Fires .1 Fires and burning of rubbish on site not permitted.
- 1.4 Disposal of Wastes .1 Do not bury rubbish and waste materials on site unless approved by DND Rep.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.
- .3 The contractor shall dispose of all rubbish and residue in accordance with existing provincial and/or municipal regulations and/or bylaws. A disposal manifest will be delivered to the Project Authority to ensure the waste has been accepted by a proper facility.
- .4 Costs associated with appropriate removal, transportation and disposal of ALL WASTE is the responsibility of the Contractor
- 1.5 Drainage .1 Provide temporary drainage and pumping as necessary to keep excavations and site free from water.
- .2 Do not pump water containing suspended materials into waterways, sewer or drainage systems.
- .3 Control disposal or runoff of water containing suspended materials or other
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|---|----|---|
| <u>1.5 Drainage
(Cont'd)</u> | .3 | (Cont'd)
harmful substances in accordance with local
authority requirements. |
| <u>1.6 Site Clearing
and Plant
Protection</u> | .1 | Protect trees and plants on site and adjacent
properties where indicated. |
| | .2 | Wrap in burlap, trees and shrubs adjacent to
construction work, storage areas and trucking
lanes, and encase with protective wood
framework from grade level to height of 2 m. |
| | .3 | Protect roots of designated trees to dripline
during excavation and site grading to prevent
disturbance or damage. Avoid unnecessary
traffic, dumping and storage of materials over
root zones. |
| | .4 | Minimize stripping of topsoil and vegetation. |
| | .5 | Restrict tree removal to areas indicated or
designated by DND Rep. See Section 01 00 01
1.6.3 for tree replacement requirements. |
| <u>1.7 Work Adjacent
to Waterways</u> | .1 | Do not operate construction equipment in
waterways. |
| | .2 | Do not use waterway beds for borrow material. |
| | .3 | Do not dump excavated fill, waste material or
debris in waterways. |
| | .4 | Design and construct temporary crossings to
minimize erosion to waterways. |
| | .5 | Do not skid logs or construction materials
across waterways. |
| | .6 | Avoid indicated spawning beds when
constructing temporary crossings of waterways. |
| | .7 | Do not blast under water or within 100 m of
indicated spawning beds. |
| <u>1.8 Pollution
Control</u> | .1 | Maintain temporary erosion and pollution
control features installed under this
contract. |
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- 1.8 Pollution Control
(Cont'd)
- .2 Control emissions from equipment and plant to local authorities emission requirements.
 - .3 Prevent sandblasting and other extraneous materials from contaminating air beyond application area, by providing temporary enclosures.
 - .4 Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads.
- 1.9 Protection of Monitoring Wells
- .1 Protect any and all existing groundwater monitoring wells. Report any disturbances or damage to the Project Authority immediately. Wing Environment will need to be informed
- 1.10 Halocarbons
- .1 Refrigeration units will comply with the Federal Halocarbon Regulations (FHR), 2003.
 - .2 Halocarbon refrigerants shall be R410A or a suitable CFC free substitute. Non-halocarbon refrigerants are still acceptable.
 - .3 When the unit is installed, serviced, or decommissioned by a contractor, the Halocarbon Reporting Form must be completed and submitted to the Project Authority.
 - .4 Report all halocarbon releases to the Project Authority, Wing Fire Hall and Wing Environment.
- 1.11 Spill Response and Report
- .1 Spill kits will be on site where there is potential for spillage onto the ground.
 - .2 Personnel on site will be educated in the use of spill kits and spill response based on the equipment on site.
-

- .3 Secondary containment will be provided for generators or other fuel-powered equipment. This equipment will not be located within 30m of a waterway.
- .4 Secondary containment for temporary fuel storage tanks, held on site by the contractor, will be implemented.
- .5 Any spill, regardless of size, will be reported immediately to the Project Authority following the Environmental Incident and Emergency Plan, so proper reporting procedures can be implemented.
- .6 An Environmental Incident Report will be completed and submitted to Wing Environment to report the spill within 24 hrs, follow-up may be required. Environmental Incident Report forms are available from W Env or Project Authority.
- .7 Should the spill exceed the capabilities of the spill kits and the personnel on site, the Fire Department shall be contacted.

PART 2 - PRODUCTS

2.1 Not Used .1 Not Used.

PART 3 - EXECUTION

3.1 Not Used .1 Not Used.

PART 1 - GENERAL

- 1.1 Precedence .1 For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual.
- 1.2 Associations .1 ANSI - American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, New York, U.S.A. 10036 URL <http://www.ansi.org>
- .2 ARI - Air Conditioning and Refrigeration Institute, 4100 N Fairfax Drive, Suite 200, Arlington, Virginia, U.S.A. 22203 URL <http://www.ari.org>
- .3 ASHRAE - American Society of Heating, Refrigeration and Air-Conditioning Engineers, 1791 Tullie Circle NE, Atlanta, Georgia, U.S.A. 30329 URL <http://www.ashrae.org>
- .4 ASTM - American Society for Testing and Materials, 100 Barr Harbor Drive West, Conshohocken, Pennsylvania 19428-2959 URL <http://www.astm.org>
- .5 AWPA - American Wire Producer's Association, 801 N Fairfax Street, Suite 211, Alexandria, VA U.S.A. 22314-1757 URL <http://www.awpa.org>
- .6 AWPA - American Wood Preservers' Association, P.O. Box 5690, Granbury Texas, U.S.A. 76049-0690 URL <http://www.awpa.com>
- .7 AWS - American Welding Society, 550 N.W. LeJeune Road, Miami, Florida U.S.A. 33126 URL <http://www.amweld.org>
- .8 CCA Canadian Construction Association, 75 Albert St., Suite 400 Ottawa, Ontario, K1P 5E7 URL <http://www.cca-acc.com>
- .9 CCDC Canadian Construction Documents Committee, Refer to ACEC, CCA, CSC or RAIC
- .10 CFFM - Canadian Forces Fire Marshal, 101 Colonel By Drive, 8NT MGen George R. Pearkes Bldg., Ottawa, Ontario K1A 0K2
- .11 CGSB - Canadian General Standards Board, Place du Portage, Phase III, 6B1, 11 Laurier
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1.2 Associations
(Cont'd)

- .11 (Cont'd)
Street, Hull, Quebec K1A 0S5 URL
<http://w3.pwgsc.gc.ca/cgsb>
- .12 CISC - Canadian Institute of Steel
Construction, 201 Consumers Road, Suite 300,
Willowdale, Ontario M2J 4G8 URL
<http://www.cisc-icca.ca>
- .13 CLA - Canadian Lumbermen's Association, 27
Goulburn Avenue, Ottawa, Ontario, K1N 8C7 URL
<http://www.cla-ca.ca>
- .14 CRCA - Canadian Roofing Contractors
Association, 155 Queen Street, Suite 1300,
Ottawa, Ontario K1P 6L1 URL
<http://www.roofingcanada.com>
- .15 CSA - Canadian Standards Association
International, 178 Rexdale Blvd., Toronto,
Ontario M9W 1R3 URL
<http://www.csa-international.org>
- .16 CSC - Construction Specifications Canada, 120
Carlton Street, Suite 312, Toronto, Ontario
M5A 4K2 URL <http://www.csc-dcc.ca>
- .17 CSDMA - Canadian Steel Door Manufacturers
Association, One Yonge Street, Suite 1801,
Toronto, Ontario M5E 1W7
- .18 CSSBI - Canadian Sheet Steel Building
Institute, 652 Bishop St. N., Unit 2A,
Cambridge, Ontario N3H 4V6 URL
<http://www.cssbi.ca>
- .19 CWC - Canadian Wood Council, 1400 Blair
Place, Suite 210, Ottawa, Ontario K1J 9B8 URL
<http://www.cwc.ca>
- .20 EC - Environment Canada, Conservation and
Protection, Inquiry Centre, 351 St. Joseph
Blvd, Hull, Québec KIA 0H3 URL
<http://www.ec.gc.ca>
- .21 MPI - The Master Painters Institute, 4090
Graveley Street, Burnaby, BC V5C 3T6 URL
<http://www.paintinfo.com>
- .22 NABA - National Air Barrier Association, PO
Box 2747, Winnipeg, Manitoba R3C 4E7 URL
<http://www.naba.ca>

1.2 Associations
(Cont'd)

- .23 NLGA - National Lumber Grades Authority,
406-First Capital Place, 960 Quayside Drive,
New Westminster, B.C. V3M 6G2
- .24 NRC - National Research Council, Building
M-58, 1200 Montreal Road, Ottawa, Ontario K1A
0R6 URL <http://www.nrc.gc.ca>
- .25 NSPE National Society of Professional
Engineers, 1420 King Street, Alexandria, VA
U.S.A. 22314-2794 URL <http://www.nspe.org>
- .26 QPL - Qualification Program List, c/o
Canadian General Standards Board, Place du
Portage, Phase III, 6B1, 11 Laurier Street,
Hull, Quebec K1A 1G6 URL
<http://www.pwgsc.gc.ca/cgsb>
- .27 RAIC Royal Architectural Institute of Canada,
55 Murray Street, Suite 330, Ottawa, Ontario,
K1N 5M3 URL <http://www.raic.org>
- .28 SCC - Standards Council of Canada, 270 Albert
Street, Suite 2000, Ottawa, Ontario K1P 6N7
URL <http://www.scc.ca>
- .29 UL - Underwriters' Laboratories, 333
Pfingsten Road, Northbrook, Illinois, U.S.A.
60062-2096 URL <http://www.ul.com>
- .30 ULC - Underwriters' Laboratories of Canada, 7
Crouse Road, Toronto, Ontario M1R 3A9 URL
<http://www.ulc.ca>

1.3 Reference
Standards

- .1 Within the text of the specifications,
reference may be made to the following
standards:
 - .1 AA - Aluminum Association
 - .2 ACI - American Concrete Institute
 - .3 ACEC - Association of Consulting
Engineers of Canada
 - .4 AISC - American Institute of Steel
Construction
 - .5 ANSI - American National Standards
Institute
 - .6 API - American Petroleum Institute
 - .7 ASPT - Association for Asphalt Paving
Technologists
 - .8 ASME - American Society of Mechanical
Engineers
 - .9 ASTM - American Society for Testing and
Materials
-

1.3 Reference Standards (Cont'd)	.1 (Cont'd)	
	.10	AWMAC - Architectural Woodwork Manufacturers Association of Canada
	.11	AWPA - American Wire Producers Association
	.12	AWS - American Welding Society
	.13	CCA - Canadian Construction Association
	.14	CCDC - Canadian Construction Documents Committee
	.15	CCME - Canadian Council of Ministers of the Environment
	.16	CEC - Canadian Electrical Code (published by CSA)
	.17	CEMA - Canadian Electrical Manufacturer's Association
	.18	CEPA - Canadian Environmental Protection Act
	.19	CGSB - Canadian General Standards Board
	.20	CISC - Canadian Institute of Steel Construction
	.21	CLA - Canadian Lumberman's Association
	.22	CPCA - Canadian Painting Contractors' Association
	.23	CPCI - Canadian Prestressed Concrete Institute
	.24	CPMA - Canadian Paint Manufacturers Association
	.25	CRCA - Canadian Roofing Contractors Association
	.26	CSA - Canadian Standards Association
	.27	CSC - Construction Specifications Canada
	.28	CSSBI - Canadian Sheet Steel Building Institute
	.29	ECP - Environmental Choice Program
	.30	EIMA - EIFS Industry Manufacturer's Association
	.31	EPA - Environmental Protection Agency
	.32	FGMA - Flat Glass Manufacturers Association
	.33	FM - Factory Mutual Engineering Corporation
	.34	GRI - Geosynthetic Research Institute
	.35	ICEA - Insulated Cable Engineers Association
	.36	IEEE - Institute of Electrical and Electronic Engineers
	.37	IPCEA - Insulated Power Cable Engineers Association
	.38	LSGA - Laminators Safety Glass Association
	.39	MSS Manufacturers Standardization Society of the Valve and Fittings Industry
	.40	NAAMM - National Association of Architectural Metal Manufacturers
	.41	NBC - National Building Code

1.3 Reference Standards (Cont'd)	.1 (Cont'd) .42 NEMA - National Electrical Manufacturers Association .43 NFPA - National Fire Protection Association .44 NHLA - National Hardwood Lumber Association .45 NLGA - National Lumber Grades Authority .46 NSPE - National Society of Professional Engineers .47 RAIC - Royal Architectural Institute of Canada .48 SSPC - Steel Structures Painting Council .49 TTMAC - Terrazzo, Tile and Marble Association of Canada .50 ULC - Underwriters' Laboratories of Canada
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PART 2 - PRODUCTS

2.1 Not Used	.1 Not Used.
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PART 3 - EXECUTION

.2 Not Used.

PART 2 - PRODUCTS

2.1 Not Used	.1 Not Used.
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PART 3 - EXECUTION

3.1 Not Used	.1 Not Used.
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PART 1 - GENERAL

- | | | |
|--------------------------------------|----|---|
| <u>1.1 Precedence</u> | .1 | For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual. |
| <u>1.2 Installation and Removal</u> | .1 | Provide temporary utilities controls in order to execute work expeditiously. |
| | .2 | Remove from site all such work after use. |
| | .3 | Remove temporary facilities from site when directed by Engineer. |
| <u>1.3 Dewatering</u> | .1 | Provide temporary drainage and pumping facilities to keep excavations and site free from standing water. |
| <u>1.4 Water Supply</u> | .1 | DND can provide, free of charge, temporary water for construction purposes. |
| | .2 | Engineer will determine delivery points and quantitative limits. Engineer's written permission is required before any connection is made. |
| | .3 | Provide, at no cost to DND, all equipment and temporary lines to bring these services to work area. |
| | .4 | Supply of temporary services by DND is subject to DND requirements and may be discontinued by Engineer at any time without notice, without any acceptance of any liability for damage or delay caused by such withdrawal of temporary services. |
| <u>1.5 Temporary Power and Light</u> | .1 | DND can provide, free of charge, temporary electric power for construction purposes |
| | .2 | Engineer will determine delivery points and quantitative limits. Engineer's written |

- 1.5 Temporary Power and Light
(Cont'd)
- .2 (Cont'd)
permission is required before any connection is made. Connect to existing power supply in accordance with Canadian Electrical Code.
- .3 Provide, at no cost to DND, all equipment and temporary lines to bring these services to work area.
- .4 Supply of temporary services by DND is subject to DND requirements and may be discontinued by Engineer at any time without notice, without any acceptance of any liability for damage or delay caused by such withdrawal of temporary services.
- .5 Provide and maintain temporary lighting throughout project. Ensure level of illumination on all floors and stairs is not less than 162 lx.
- .6 Electrical power and lighting systems installed under this Contract may be used for construction requirements only with prior approval of Engineer provided that guarantees are not affected. Make good damage to electrical system caused by use under this Contract. Replace lamps which have been used for more than 3 months.
- 1.6 Temporary Communication Facilities
Facilities
- .1 Provide and pay for temporary telephone, fax, data hook up, lines and equipment necessary for own use.
- 1.7 Fire Protection
Protection
- .1 Provide and maintain temporary fire protection equipment during performance of Work required by governing codes, regulations and bylaws.
- .2 Burning rubbish and construction waste materials is not permitted on site.
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PART 2 - PRODUCTS

2.1 Not Used .1 Not Used.

PART 3 - EXECUTION

3.1 Not Used .1 Not Used.

END

PART 1 - GENERAL

- | | | |
|-----------------------------|----|-----------------------|
| <u>1.1 Section Includes</u> | .1 | Progressive cleaning. |
| | .2 | Final cleaning. |
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|-----------------------|----|---|
| <u>1.2 Precedence</u> | .1 | For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual. |
|-----------------------|----|---|
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|----------------------------|----|---|
| <u>1.3 Related Section</u> | .1 | Section 01 77 00 - Closeout Procedures. |
|----------------------------|----|---|
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- | | | |
|--------------------------------|----|--|
| <u>1.4 Project Cleanliness</u> | .1 | Maintain Work in tidy condition, free from accumulation of waste products and debris, other than that caused by Owner or other Contractors. |
| | .2 | Remove waste materials from site at regularly scheduled times or dispose of as directed by DND Rep. Do not burn waste materials on site. |
| | .3 | Clear snow and ice from access to building, bank/pile snow in designated areas only. |
| | .4 | Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris. |
| | .5 | Remove all waste materials and debris from site and dispose off DND property. Provide following information to DND Rep:
.1 Provide a Certificate of Disposal indicating the following:
.1 Date of disposition.
.2 Time of disposition.
.3 Location of disposition.
.4 Name of Vehicle operator.
.5 Vehicle License Number. |
| | .6 | Provide on-site containers for collection of waste materials and debris. |
| | .7 | Provide and use clearly marked separate bins for recycling. |
-

1.4 Project
Cleanliness
(Cont'd)

- .8 Remove waste material and debris from site at end of each working day.
- .9 Clean interior areas prior to start of finish work, and maintain areas free of dust and other contaminants during finishing operations.
- .10 Store volatile waste in covered metal containers, and remove from premises at end of each working day.
- .11 Provide adequate ventilation during use of volatile or noxious substances. Use of building ventilation systems is not permitted for this purpose.
- .12 Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer.
- .13 Schedule cleaning operations so that resulting dust, debris and other contaminants will not fall on wet, newly painted surfaces nor contaminate building systems.
- .14 Foreign Object Damage control or FOD will be exercised on a continuous basis in vicinity of aircraft, runways or aprons. Control all blowing debris at all times. DND Rep will coordinate and approve Contractors plans to fulfill this requirement.

1.5 Final Cleaning

- .1 In preparation for acceptance of the project, on an interim or final certificate of completion, perform final cleaning.
 - .2 When Work is Substantially Performed, remove surplus products, tools, construction machinery and equipment not required for performance of remaining Work.
 - .3 Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy.
 - .4 Prior to final review, remove surplus products, tools, construction machinery and equipment.
-

- 1.5 Final Cleaning
(Cont'd)
-
- .5 Remove waste products and debris other than that caused by Owner or other Contractors.
 - .6 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.
 - .7 Clean and polish glass, mirrors, hardware, wall tile, stainless steel, chrome, porcelain enamel, baked enamel, plastic laminate, and mechanical and electrical fixtures. Replace broken, scratched or disfigured glass.
 - .8 Remove stains, spots, marks and dirt from decorative work, electrical and mechanical fixtures, furniture fitments, walls, and floors.
 - .9 Clean lighting reflectors, lenses, and other lighting surfaces.
 - .10 Vacuum clean and dust building interiors, behind grilles, louvres and screens.
 - .11 Wax, seal, shampoo or prepare floor finishes, as recommended by manufacturer.
 - .12 Inspect finishes, fitments and equipment and ensure specified workmanship and operation.
 - .13 Broom clean and wash exterior walks, steps and surfaces; rake clean other surfaces of grounds.
 - .14 Remove dirt and other disfiguration from exterior surfaces.
 - .15 Clean and sweep roofs, gutters, areaways, and sunken wells.
 - .16 Sweep and wash clean paved areas.
 - .17 Clean equipment and fixtures to a sanitary condition; clean or replace filters of mechanical equipment.
 - .18 Clean roofs, downspouts, and drainage systems.
 - .19 Remove debris and surplus materials from crawl areas and other accessible concealed spaces.
 - .20 Remove snow and ice from access to building.
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.21 Leave entire work area neat and clean.

PART 2 - PRODUCTS

2.1 Not Used .1 Not Used.

PART 3 - EXECUTION

3.1 Not Used .1 Not Used.

————— END —————

PART 1 - GENERAL

- | | | |
|---------------------------------------|----|--|
| <u>1.1 Section Includes</u> | .1 | Administrative procedures preceding preliminary and final inspections of Work. |
| | | |
| <u>1.2 Precedence</u> | .1 | For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual. |
| | | |
| <u>1.3 Related Sections</u> | .1 | Section 01 78 00- Closeout Submittals. |
| | | |
| <u>1.4 Inspection and Declaration</u> | .1 | Contractor's Inspection: Contractor and all Subcontractors shall conduct an inspection of Work, identify deficiencies and defects, and repair as required to conform to Contract Documents.
.1 Notify DND Rep in writing of satisfactory completion of Contractor's Inspection and that corrections have been made.
.2 Request DND Rep's Inspection. |
| | .2 | DND Rep's Inspection: DND Rep and Contractor will perform inspection of Work to identify obvious defects or deficiencies. Contractor shall correct Work accordingly. |
| | .3 | Completion: submit written certificate that following have been performed:
.1 Work has been completed and inspected for compliance with Contract Documents.
.2 Defects have been corrected and deficiencies have been completed.
.3 Equipment and systems have been tested, adjusted and balanced and are fully operational.
.4 Operation of systems have been demonstrated to Owner's personnel.
.5 Work is complete and ready for Final Inspection. |
| | .4 | Final Inspection: when items noted above are completed, request final inspection of Work by DND Rep , and Contractor . If Work is deemed |
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1.4 Inspection and Declaration (Cont'd)	.4	Final Inspection:(Cont'd) incomplete by DND Rep , complete outstanding items and request reinspection.
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PART 2 - PRODUCTS

2.1 Not Used	.1	Not Used.
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PART 3 - EXECUTION

3.1 Not Used	.1	Not Used.
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END

PART 1 - GENERAL

1.1 Section Includes	.1	As-built, samples, and specifications.
	.2	Equipment and systems.
	.3	Product data, materials and finishes, and related information.
	.4	Operation and maintenance data.
	.5	Spare parts, special tools and maintenance materials.
	.6	Warranties and bonds.
	.7	Final site survey.
1.2 Precedence	.1	For Federal Government projects, Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual.
1.3 Related Sections	.1	Section 01 77 00 - Closeout Procedures.
1.4 Submission	.1	Prepare instructions and data using personnel experienced in maintenance and operation of described products.
	.2	Prior to Substantial Performance of the Work, submit to the DND Rep, three final copies of operating and maintenance manuals in English.
	.3	Ensure spare parts, maintenance materials and special tools provided are new, undamaged or defective, and of same quality and manufacture as products provided in Work.
	.4	If requested, furnish evidence as to type, source and quality of products provided.
	.5	Defective products will be rejected, regardless of previous inspections. Replace products at own expense.
	.6	Pay costs of transportation.

- 1.5 Format
- .1 Assemble, coordinate, bind and index required data into Operation and Maintenance Manual. Organize data in the form of an instructional manual.
 - .2 Organize data into same numerical order as contract specifications.
 - .3 Provide O & M manual in PDF format on CD. Manual is to be FULLY INDEXED or BOOKMARKED.
 - .4 Provide 1:1 scaled CAD files in dwg format on CD.
 - .5 Only If requested by the DND Rep provide O % M Manuals in Binders: vinyl, hard covered, 3 'D' ring, loose leaf 219 x 279 mm with spine and face pockets.
 - .6 Drawings: provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.
 - .7 When multiple binders are used, correlate data into related consistent groupings. Identify contents of each binder on spine.
 - .8 Cover: Identify each binder with type or printed title 'Project Record Documents'; list title of project and identify subject matter of contents.
 - .9 Provide tabbed fly leaf for each separate product and system, with typed description of product and major component parts of equipment.
 - .10 Text: Manufacturer's printed data, or typewritten data.
- 1.6 Contents - Each Volume
- .1 Cover sheet containing:
 - .1 Date submitted.
 - .2 Project title, location and project number.
 - .3 Names and addresses of Contractor, and all Sub-contractors.
 - .2 Table of Contents.
 - .3 Warranties, guarantees.
 - .4 Copies of approvals, and certificates.
-

-
- 1.6 Contents - Each .5 Provide data as specified in individual
Volume sections of this specification with schedule
(Cont'd) of products and systems, indexed to content of
volume.
- .6 For each product or system: list names,
addresses and telephone numbers of
subcontractors and suppliers, including local
source of supplies and replacement parts.
- .7 Nameplate information including equipment
number, make, size, capacity, model number and
serial number.
- .8 Parts list.
- .9 Installation details.
- .10 Operating instructions.
- .11 Maintenance instructions for equipment.
- .12 Maintenance instructions for finishes.
- .13 One complete set of reviewed final shop
drawings and product data.
- .14 Drawings: supplement product data to
illustrate relations of component parts of
equipment and systems, to show control and
flow diagrams.
- .15 Typewritten Text: as required to supplement
product data. Provide logical sequence of
instructions for each procedure, incorporating
manufacturer's instructions.
- 1.7 As-builts and .1 In addition to requirements in General
Samples Conditions, maintain one record copy of:
- .1 Contract Drawings.
- .2 Specifications.
- .3 Addenda.
- .4 Change Orders and other modifications to
the Contract.
- .5 Reviewed shop drawings, product data,
and samples.
- .6 Field test records.
- .7 Inspection certificates.
- .8 Manufacturer's certificates.
- .2 Store record documents and samples in field
office apart from documents used for
-

1.7 As-builts and
Samples
(Cont'd)

- .2 (Cont'd)
construction. Provide files, racks, and secure storage.
- .3 Label record documents and file in accordance with Section number listings in List of Contents of this Project Manual. Label each document "PROJECT RECORD" in neat, large, printed letters.
- .4 Maintain record documents in clean, dry and legible condition. Do not use record documents for construction purposes.
- .5 Keep record documents and samples available for inspection by DND Rep.
- .6 Identify each drawing in lower right hand corner in letters 12 mm high to read: "As Built Drawings", with Signature of Contractor and Date.

1.8 Recording
Actual Site
Conditions

- .1 Record information on set of black lineopaque drawings, provided by DND Rep
- .2 Provide felt tip marking pens, maintaining separate colours for each major system, for recording information.
- .3 Maintain project record drawings and record accurately any deviations from Contract documents.
- .4 Record information concurrently with construction progress to show all work as actually installed including change orders. Do not conceal Work until required information is recorded.
- .5 Contract Drawings and shop drawings: legibly mark each item to record actual construction, including:
 - .1 Measured depths of elements of foundation in relation to finish first floor datum.
 - .2 Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - .3 Measured locations of internal utilities and appurtenances, referenced to visible and accessible features of construction.
 - .4 Field changes of dimension and detail.

1.8 Recording
Actual Site
Conditions
(Cont'd)

- .5 Contract Drawings and shop drawings: (Cont'd)
 - .5 Changes made by change orders.
 - .6 Details not on original Contract Drawings.
 - .7 References to related shop drawings and modifications.
- .6 Specifications: legibly mark each item to record actual construction, including:
 - .1 Manufacturer, trade name, and catalogue number of each product actually installed, particularly optional items and substitute items.
 - .2 Changes made by Addenda and change orders.
- .7 Other Documents: maintain manufacturer's certifications, inspection certifications, field test records, required by individual specifications sections.

1.9 As Built
Drawings

- .1 At completion of project and prior to final inspection, transfer as-built notations to second paper drawing set and submit to DND Rep for review.
 - .1 Prepare as-built drawings in AutoCAD format following same conventions used for original design drawings or use DND CAD Standards ie: levels, colors, weights, etc.
 - .2 In addition to as-built printed set, drawings shall be submitted in electronic file format (both AutoCAD and PDF) on CD or DVD media.

1.10 As Built
Survey Drawings

- .1 Provide "As-Built Survey" with project deviations relative to DND survey monuments and obtain an accurate record of all manhole locations, catch basins, storm outfalls, sewer alignment, utilities (ie: elec, gas, telecom, etc), paint lines, roads, sidewalks, etc. pertinent to the project.
- .2 Submit survey with final record drawing submission.
- .3 Use GPS and Total station to survey new installations and surface features, including underground utility lines.
- .4 All surveys to be performed by a Registered Alberta Land Surveyor.

1.10 As Built
Survey Drawings
(Cont'd)

- .5 Horizontal and vertical accuracy shall be minimum Third Order. Vertical and horizontal control in the vicinity of survey shall be used.
- .6 All control point information and coordinate system (NAD 83-UTM) used must be obtained at 4 Wing WCE GIS cell prior to starting the survey.
- .7 Accuracy: Horizontal - third order (Northing & Easting coordinates); Vertical (control points, Building floor elevation, Manhole & catchbasin only), - third order. Vertical (all other features), total station elevations.
- .8 Control points and temporary iron bars used, along with their coordinates and elevations must be indicated on each survey drawing.
- .9 An electronic drawing copy of existing site will be provided by WCE GIS.
- .10 Provide one as-built hard copy drawing set. Submit final drawing set on full size media using DND CAD Standard Drawing Sheet.
- .11 In addition to as-built printed set, drawings shall be submitted in electronic file format (both AutoCAD and PDF) on CD/DVD.
- .12 Provide as-built electronic copy in AutoCAD 3D file format. Ensure all features are drawn in 3D (x y z).
- .13 Follow DND CAD and GIS Standards for easy incorporation of data into existing GIS spatial database.
- .14 Provide comma delimited ASCII text file for each survey point: Point Number, Easting, Northing, Elevation, Feature Class Name/Layer Name/Survey Code and optional description.
- .15 For information regarding WCE GIS system contact: 4WCE GIS Co-ordinator at (780)840-8000 ext 8251.

1.11 Water Valve
Markers

- .1 Install DND supplied blue marker stake at each water valve location. Markers are provided by DND WCE Plumbing Shop @ loc 8427.

1.12 Equipment and
Systems

- .1 Each Item of Equipment and Each System: include description of unit or system, and component parts. Give function, normal operation characteristics, and limiting conditions. Include performance curves, with engineering data and tests, and complete nomenclature and commercial number of replaceable parts.
- .2 Panel board circuit directories: provide electrical service characteristics, controls, and communications.
- .3 Include installed colour coded wiring diagrams.
- .4 Operating Procedures: include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and any special operating instructions.
- .5 Maintenance Requirements: include routine procedures and guide for trouble-shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- .6 Provide servicing and lubrication schedule, and list of lubricants required.
- .7 Include manufacturer's printed operation and maintenance instructions.
- .8 Include sequence of operation by controls manufacturer.
- .9 Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- .10 Provide installed control diagrams by controls manufacturer.
- .11 Provide Contractor's coordination drawings, with installed colour coded piping diagrams.
- .12 Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.

- | | |
|--|---|
| 1.12 Equipment and Systems
(Cont'd) | <ul style="list-style-type: none">.13 Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage..14 Include test and balancing reports..15 Additional requirements: As specified in individual specification sections. |
| 1.13 Materials and Finishes | <ul style="list-style-type: none">.1 Building Products, Applied Materials, and Finishes: include product data, with catalogue number, size, composition, and colour and texture designations. Provide information for re-ordering custom manufactured products..2 Instructions for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance..3 Moisture-protection and Weather-exposed Products: include manufacturer's recommendations for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance..4 Additional Requirements: as specified in individual specifications sections. |
| 1.14 Spare Parts | <ul style="list-style-type: none">.1 Provide spare parts, in quantities specified in individual specification sections..2 Provide items of same manufacture and quality as items in Work..3 Deliver to location as directed; place and store..4 Receive and catalogue all items. Submit inventory listing to DND Rep. Include approved listings in Maintenance Manual. Include the following:<ul style="list-style-type: none">.1 Part number..2 Identification of equipment or system for which parts are applicable..3 Installation instructions as applicable..4 Name and address of nearest supplier..5 Obtain receipt for delivered products and submit prior to final payment. |
-

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|--|----|---|
| <u>1.15 Maintenance Materials</u> | .1 | Provide maintenance and extra materials, in quantities specified in individual specification sections. |
| | .2 | Provide items of same manufacture and quality as items in Work. |
| | .3 | Deliver to location as directed; place and store. |
| | .4 | Receive and catalogue all items. Submit inventory listing to DND Rep. Include approved listings in Maintenance Manual. |
| | .5 | Identify, on carton or package, colour, room No., system or area as applicable where item is used |
| | .6 | Obtain receipt for delivered products and submit prior to final payment. |
| <u>1.16 Special Tools</u> | .1 | Provide special tools, in quantities specified in individual specification section. |
| | .2 | Provide items with tags identifying their associated function and equipment. |
| | .3 | Deliver to location as directed; place and store. |
| | .4 | Receive and catalogue all items. Submit inventory listing to DND Rep. Include approved listings in Maintenance Manual and Include the following:
.1 Identification tag reference.
.2 Identification of equipment or system for which tools are applicable.
.3 Instruction on intended use of tool. |
| <u>1.17 Storage, Handling and Protection</u> | .1 | Store spare parts, maintenance materials, and special tools in manner to prevent damage or deterioration. |
| | .2 | Store in original and undamaged condition with manufacturer's seal and labels intact. |
| | .3 | Store components subject to damage from weather in weatherproof enclosures. |
| | .4 | Store paints and freezable materials in a heated and ventilated room. |
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1.17 Storage, Handling and Protection (Cont'd)	.5	Remove and replace damaged products at own expense and to satisfaction of DND Rep.
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1.18 Warranties and Bonds	.1	Separate each warranty or bond with index tab sheets keyed to Table of Contents listing.
	.2	List subcontractor, supplier, and manufacturer, with name, address, and telephone number of responsible principal.
	.3	Obtain warranties and bonds, executed in duplicate by subcontractors, suppliers, and manufacturers, within ten days after completion of the applicable item of work.
	.4	Except for items put into use with Owner's permission, leave date of beginning of time of warranty until the Date of Substantial Performance is determined.
	.5	Verify that documents are in proper form, contain full information, and are notarized.
	.6	Co-execute submittals when required.
	.7	Retain warranties and bonds until time specified for submittal.

PART 2 - PRODUCTS

2.1 Not Used	.1	Not Used.
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PART 3 - EXECUTION

3.1 Not Used	.1	Not Used.
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PART 1 - GENERAL

- 1.1 REFERENCES
- .1 Canadian Standards Association (CSA International)
 - .1 CSA-A165 Series-04, Standards on Concrete Masonry Units.
 - .2 CSA A179-04, Mortar and Grout for Unit Masonry.
 - .3 CSA-A371-04, Masonry Construction for Buildings.
 - .4 CSA A23.1-04/A23.2-04. Concrete Materials and Methods of Construction
 - .2 International Masonry Industry All-Weather Council (IMIAC)
 - .1 Recommended Practices and Guide Specification for Hot and Cold Weather Masonry Construction.
- 1.2 ACTION SUBMITTALS
- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- 1.3 QUALITY ASSURANCE
- .1 Qualifications:
 - .1 Manufacturer: capable of providing field service representation during construction and approving application method.
 - .2 Installer: experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
 - .3 Masons: company or person specializing in masonry installations with 5 years experience with masonry work similar to this project.
 - .1 Masons employed on this project must demonstrate ability to reproduce mock-up standards.
- 1.4 DELIVERY, STORAGE, AND HANDLING
- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
 - .2 Storage and Handling Protection:
 - .1 Keep materials dry until use except where wetting of bricks is specified.
-

1.4 DELIVERY,
STORAGE, AND
HANDLING
(Cont'd)

- .2 Storage and Handling Protection: (Cont'd)
 - .2 Store under waterproof cover on pallets or plank platforms held off ground by means of plank or timber skids.

1.5 SITE
CONDITIONS

- .1 Ambient Conditions: assemble and erect components when temperatures are above 4 degrees C.
- .2 Weather Requirements: to CSA-A371.
- .3 Cold weather requirements:
 - .1 To CSA-A371 with following requirements.
 - .1 Maintain temperature of mortar between 5 degrees C and 50 degrees C until batch is used or becomes stable.
 - .2 Maintain ambient temperature of masonry work and it's constituent materials between 5 degrees C and 50 degrees C and protect site from windchill.
 - .3 Maintain temperature of masonry above 0 degrees C for minimum of 3 days, after mortar is installed.
 - .4 Preheat unheated wall sections in enclosure for minimum 72 hours above 10 degrees C, before applying mortar.
 - .2 Hot weather requirements:
 - .1 Protect freshly laid masonry from drying too rapidly, by means of waterproof, non-staining coverings.
 - .2 Keep masonry dry using waterproof, non-staining coverings that extend over walls and down sides sufficient to protect walls from wind driven rain, until masonry work is completed and protected by flashings or other permanent construction.
 - .3 Spray mortar surface at intervals and keep moist for maximum of three days after installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS .1 Ensure manufacturer has minimum 5 years experience in manufacturing components similar to or exceeding requirements of project.

2.2 MATERIALS .1 C-330-04 ST for lightweight aggregates.

PART 3 - EXECUTION

3.1 INSTALLERS .1 Experienced and qualified masons to carry out erection, assembly and installation of masonry work.

3.2 MANUFACTURER'S INSTRUCTIONS .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.3 EXAMINATION .1 Examine conditions, substrates and work to receive work of this Section.

.2 Verification of Conditions:

.1 Verify that:

.1 Substrate conditions which have been previously installed under other sections or contracts, are acceptable for product installation in accordance with manufacturer's instructions prior to installation.

.2 Field conditions are acceptable and are ready to receive work.

.3 Built-in items are in proper location, and ready for roughing into masonry work.

.2 Commencing installation means acceptance of existing substrates.

- 3.4 PREPARATION
- .1 Surface Preparation: prepare surface in accordance with manufacturer's written recommendations and co-ordinate with Section.
 - .2 Establish and protect lines, levels, and coursing.
 - .3 Protect adjacent materials from damage and disfiguration.

- 3.5 INSTALLATION
- .1 Do masonry work in accordance with CSA-A371 except where specified otherwise.
 - .2 Build masonry plumb, level, and true to line, with vertical joints in alignment, respecting construction tolerances permitted by CSA-A371.
 - .3 Layout coursing and bond to achieve correct coursing heights, and continuity of bond above and below openings, with minimum of cutting.

- 3.6 CONSTRUCTION
- .1 Exposed masonry:
 - .1 Remove chipped, cracked, and otherwise damaged units, in accordance with CSA A-165 in exposed masonry and replace with undamaged units.
 - .2 Remove existing loose refractory as per Engineer's direction.
 - .3 Fill joint openings greater than 3mm. All joints shall be filled with non-shrink filler.
 - .4 Patch all voids or surface defects so that the defects will not be transmitted.
 - .5 Replacement of firebrick and castable materials where required.
 - .6 Joint rear wall and mortar joints yearly.
 - .7 Use veneering SS anchors where applicable (i.e. Moldable materials).
 - .2 Jointing:
 - .1 Allow joints to set just enough to remove excess water, then tool with round jointer to provide smooth, joints true to line, compressed, uniformly concave joints where concave joints are indicated.
 - .3 Cutting:
 - .1 Cut out for electrical switches, outlets, and other recessed or built-in objects.
-

3.6 CONSTRUCTION
(Cont'd)

- .3 Cutting: (Cont'd)
 - .2 Make cuts straight, clean, and free from uneven edges.
- .4 Building-In:
 - .1 Build in items required to be built into masonry.
 - .2 Prevent displacement of built-in items during construction. Check plumb, location and alignment frequently, as work progresses..
- .5 Wetting of bricks:
 - .1 Except in cold weather, wet bricks having initial rate of absorption exceeding 1 g/minute/1000 mm²: wet to uniform degree of saturation, 3 to 24 hours before laying, and do not lay until surface dry.
 - .2 Wet tops of walls built of bricks qualifying for wetting, when recommencing work on such walls.
- .6 Support of loads:
 - .1 Use 35 MPa concrete where concrete fill is used in lieu of solid units.
 - .2 Use grout to CSA A179 where grout is used in lieu of solid units.
 - .3
- .7 Provision for movement:
 - .1 Leave 3 mm space below shelf angles.
 - .2 Built masonry to tie in with stabilizers, with provision for vertical movement.
- .8 Movement joints:
 - .1 Build-in continuous movement joints as indicated.
- .9 Interface with other work:
 - .1 Cut openings in existing work as indicated.
 - .2 Make good existing work. Use materials to match existing.

3.7 SITE TOLERANCES .1 Tolerances in notes to CSA-A371 apply.

3.8 FIELD QUALITY
CONTROL

- .1 Site Tests, Inspection:
 - .1 Perform field inspection and testing in accordance with Section 01 45 00 - Quality Control.
-

3.8 FIELD QUALITY
CONTROL
(Cont'd)

- .1 Si(Cont'd)
 - .2 Notify inspection agency minimum of 24 hours in advance of requirement for tests.
- .2 Manufacturer's Services:
 - .1 Have manufacturer of products supplied under this Section review work involved in handling, installation/application, and protection of its products, and submit written reports in acceptable format to verify compliance of work with Contract.
 - .2 Manufacturer's field services: provide manufacturer's field services, consisting of product use recommendations and periodic site visits for inspection of product installation, in accordance with manufacturer's instructions.
 - .3 Schedule site visits to review work as installation is about to begin.
 - .4 Obtain reports within three days of review and submit immediately to Departmental Representative.

3.9 CLEANING

- .1 Clean in accordance with Section 01 74 11 - Cleaning.
- .2 Progress Cleaning: in accordance with related masonry sections.
- .3 Final Cleaning:
 - .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
 - .2 Upon completion of installation and verification of performance of installation, remove surplus materials, rubbish, tools and equipment barriers.

3.10 PROTECTION

- .1 Temporary Bracing:
 - .1 Provide temporary bracing of masonry work during and after erection until permanent lateral support is in place.
 - .2 Bracing approved by Departmental Representative.
 - .3 Brace masonry walls as necessary to resist wind pressure and lateral forces during construction.
- .2 Moisture Protection:
 - .1 Keep masonry dry using waterproof, nonstaining coverings that extend over walls

- | | | |
|-----------------------------|----|------------------------------|
| 3.10 PROTECTION
(Cont'd) | .2 | Moisture Protection:(Cont'd) |
|-----------------------------|----|------------------------------|
- .1 (Cont'd)
and down sides sufficient to protect walls
from wind driven rain, until completed and
protected by flashing or other permanent
construction.
 - .2 Cover completed and partially completed
work not enclosed or sheltered with waterproof
covering at end of each work day. Anchor
securely in position.
 - .3 Air Temperature Protection: protect
completed masonry as recommended in 1.10 SITE
CONDITIONS.

END

ANNEX A

4 Wing Ground Disturbance & Clearance Notice

R-2010-08-010

Project Name:	_____	Project File No.:	_____
Contact Name:	_____	Telephone #:	_____
Organization:	_____	RETURN FAX #:	_____
Work Location (incl. Base address and Legal with diagram/sketch attached)	_____	Work Start Date:	_____
Description of Work:	_____	Disturbance Depth:	_____
		Site pre-marked:	_____

Utility / Contact Information	Remarks & Date	Name and sign-off
Wing Operations Loc 8006/Fax 780-840-7341		
4 Wing Fire Dept Loc 8401/Fax 780-840-7317		
PMO - GIS Records Loc 8251/Fax 780-840-7316		
Wing Environment Loc 8430/ Fax 780-840-7305		
TIS Line/Help Desk Loc 7053 /Fax 780-840-7349	Remedy Ticket #	
Electrical- CE Electrical Loc 8429/ Fax 780-840-4029		
Water/Sewer/Steam/Gas -CE Plumbing Loc 8427/ Fax 780-840-4000		
WFE Loc 8960/8411/ Fax 780-840-7314		
Alberta 1-Call Phone: 1-800-242-3447	Ticket #	<i>No response required</i>
Eastlink Fax 780-826-7028		
Canada Locators Fax 1-780-636-3575	(Telus)	
Alberta Supernet Fax 1-780-488-9875		
ATCO Electric Fax 780-594-3090		
ATCO Gas Fax 780-594-3090		
ATCO PIPELINES 1-780-808-0777		
ALTA GAS Fax 780-826-4712		
DCC Loc 7058 Fax: 780-594-6161	<i>Information only</i>	<i>No response required</i>

INSTRUCTIONS:

- * ALLOW MINIMUM 5 WORKING DAYS NOTICE FOR COMPLETION OF NOTICE LOCATES.
- In case of any delay beyond 14 days or conditions at job site change the entire ground disturbance permit process must be completed again.
- A person does not commit an offence under the act if he can demonstrate that he made all reasonable efforts to procure inspection and supervision required for the undertaking.
- The contractor shall confirm to their satisfaction that the work area is clearly staked/ marked and correctly color coded to Standards. Contractor shall not proceed with any ground disturbance if work area is not properly identified or if doubts to actual location of marked utilities.
- ALL ground disturbances within 1 meter of marked/flagged electrical/communications and within 5 meters of gas lines must be hand exposed by hand digging (or hydrovac) prior to use of mechanical equipment.

Annex B

4 WING COLD LAKE HOT WORK AUTHORIZATION PERMIT# _____

Date : _____ Start Time : _____ Expiry Time : _____ Date : _____

INSPECTOR: Rank _____ Name _____ LOCATION : _____

Type of work : ☐ Welding/Cutting ☐ Soldering ☐ Hot Roofing ☐ Other _____

CONFINED SPACE : ☐ Yes ☐ No

Confined Space Entry Permit on site ☐ Yes ☐ No

- Note : If a confined space entry permit is required and not on site, then a hot work authorization permit may not be issued.
- Before approving any hot work, the Fire Inspector shall inspect the work site and surrounding area to confirm that all precautions have been taken to prevent fire IAW NFPA 51B.
- If hot work is to be done in a Hangar, all Aircraft SHALL be removed.

GENERAL PRECAUTIONS () Sprinkler/alarms in service. (if applicable) () Welding Equipment in good repair.	FIRE WATCH! () To be provided during and 30 min after operation. () Serviceable Fire Extinguisher. () Trained in Action in event of a Fire.
WITHIN LIMIT OF WORK AREA () Combustible Products removed from area. () Combustible floors wet down or covered with non combustible material. () Flammable and Combustible liquids removed or safely stored. () Wall and floor openings covered. () If practicable, covers suspended beneath work to collect sparks.	WORK WITHIN WALLS OR CEILINGS () Non combustible construction and without combustible coverings. () Combustibles removed from other side of partition. HERMAN NELSON TIPS () Personnel trained in proper start-up, shut down and re-fueling procedures prior to use. () Fire extinguisher available.
Hot ROOFING OPERATIONS () Tar kettle located in a safe location at least 5 meters from an exit or combustible materials, including walls, or on a non-combustible roof (unless approved by WFC). () Thermostat on the kettle is operational and kettle is constantly supervised. () Serviceable Dry Chemical or CO2 fire extinguisher available. () A metal lid that can be closed in case of a fire. () Inform the contractor that : used mops and rags shall be cleaned and stored away from the building and other combustible materials at the end of each work day or disposed separate from other waste. NOT LEFT ON THE ROOF.	

CONTRACTOR: Name: _____ COMPANY _____

Address: _____

Phone Number: _____ Cell Phone : _____

I have received the Fire Department briefing and agree to comply with all regulations. The Fire Department shall be notified of any changes affecting the operations authorized by this permit.

Failure to comply with these safety precautions may result in you or your company being held responsible for any damages incurred

The Fire Department is to be notified at 840-8000 Loc 8401 when the inspection 30 minutes after the completion of any hot work for that day has been completed.

Signature of on site Supervisor _____

Approved by _____ Wing Fire Department.

Fire Department Emergency Number 840-8333 OR Loc. 8333

ANNEX C
4 Wing Confined Space Entry Permit

NOTE: This permit is valid only for the work and time described!

Fire Hall must be notified prior to entry Ph 840-8000 Ext 8401 **EMERGENCY RESCUE PHONE EXT 911**

Permit # _____ Date: ____/____/____ Time of Entry: ____ Hrs Expiration: ____ Hrs

Type/Class of Space: _____ Location: _____

Unit/Section: _____ Supervisor: _____

Description of Work: _____

ATMOSPHERIC TESTER Make: _____ Model: _____ Ser#: _____

Date of Last Calibration: ____/____/____ Calibrator: _____

Pre Entry Test Results

TEST	ACCEPTABLE LEVEL		AMOUNT TESTED	SIGNATURE			
Oxygen	Min 19.5%	Max 23%					
Explosive Gases	5% LEL						
Carbon Monoxide (CO)	10 ppm (max)						
Hydrogen Sulfide (H ₂ S)	5 ppm (max)						
Toxic Gases	50% of TLV (max)						
EQUIPMENT REQ'D	Y	N	TYPE USED	PRE ENTRY REQUIREMENTS		Y	N
Respirators				Hazard Assessment Report Reviewed			
Air Line Respirators				Bleed Pressure			
SCBA Equip				Drain			
Ventilation Equip				Purge			
Communications				Ventilation			
Fall Arrest Equip				Electrical Lockout/Tagout			
Mechanical Lifting Device				Blinding/Blanking			
Personal Alarms				Hot Work Permit (Fire Hall)			
Fire Extinguishers				All Safety Equip on Site			
Life Jackets				Barricades/Signs Erected			
Barricades				Fire Hall Notified			
Non Sparking Tools				Others (Specify)			

Special Instructions _____

I certify that I have performed all required tests and preventive measures (IAW the Hazard Assessment Report) for the safe entry into this confined space.

Qualified Person (Print)

Signature

I certify that I have reviewed the Hazard Assessment Report and have been briefed on all tests and preventive measures required for safe entry into this confined space.

First Name (print)

Last Name (print)

Signature

I certify that all personnel have exited this confined space and the Fire Hall has been notified.

Name (print)

Signature

NOTE: This report is to be retained by the supervisor for a minimum of two years

ANNEX E

4 Wing Road Closure Notice

R-2010-08-10

Project Name: _____	Project File No.: _____
Contact Name: _____	Telephone #: _____
Organization: _____	RETURN FAX #: _____
	Road Closure Start Date: _____
	Road Closure Start Time: _____
	Road Closure End Date: _____
	Road Closure End Time: _____

Work Location (incl. Base address and Legal with diagram/sketch attached) _____

Description of Work: _____

Contact Information	Remarks & Date	Name and sign-off
4 Wing Fire Dept Loc 8401/Fax 780-840-7317		
Wing Ops O Fax 780-840-7341 (If within GRA)		
Wing Logistics Fax 780-840-7366		<i>John White</i>
NCO I/C GPV Fax 780-840-4028		
Wing Secur O Fax 780-840-7339		
DCC Loc 7058 Fax: 780-594-6161	<i>Information only</i>	<i>No response required</i>

INSTRUCTIONS:

- * ALLOW MINIMUM 7 WORKING DAYS NOTICE FOR COMPLETION OF NOTICE.
- In case of any delay during an active closure past the stated "work end date" the entire road closure permit process must be completed again a minimum of 48 hours in advance.
- A person does not commit an offence under the act if he can demonstrate that he made all reasonable efforts to procure inspection and supervision required for the undertaking.
- The contractor shall provide traffic accommodation to the satisfaction of the designated 4 Wing Representative.
- The contractor shall provide road closure notice to effected businesses and or residents a minimum of 48 hours in advance of scheduled closure as required by 4 Wing Representative.
- Contractor shall not proceed with any closure of work area prior to sign off from above 4 Wing representative sections listed above.
- The following closure(s) will apply to all except authorized and emergency vehicles.

ANNEX “G”

Location of Equipment including but not limited to the following:

Building Number B9 – Steam Plant
 Hanger 8
 Hangar 9
 Hangar 10
 B104 – AFTTC
 Approx. 35 smaller buildings

Type of Boilers:

Fire Tube
Water Tube
High Pressure Steam Hot Water Boilers Glycol Boilers
Cast Iron Boilers

Make of Boilers but not limited to:

Foster Wheeler Leonard Thompson Saskatoon
Cleaver brooks
Whitman



Travaux publics et
Services gouvernementaux
Canada

Public Works and
Government Services
Canada

CERTIFICATE OF INSURANCE

Page 1 of 2

Description and Location of Work Repair of Boiler Refractory Materials Standing Offer, Cold Lake, AB.	Contract No.
	Project No.

Name of Insurer, Broker or Agent	Address (No., Street)	City	Province	Postal Code
Name of Insured (Contractor)	Address (No., Street)	City	Province	Postal Code
Additional Insured Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services				

Type of Insurance	Insurer Name and Policy Number	Inception Date D / M / Y	Expiry Date D / M / Y	Limits of Liability		
Commercial General Liability Umbrella/Excess Liability				Per Occurrence	Annual General Aggregate	Completed Operations Aggregate
				\$	\$	\$
				\$	\$	\$
Builder's Risk / Installation Floater				\$		

I certify that the above policies were issued by insurers in the course of their Insurance business in Canada, are currently in force and include the applicable insurance coverage's stated on page 2 of this Certificate of Insurance, including advance notice of cancellation / reduction in coverage.

Name of person authorized to sign on behalf of Insurer(s) (Officer, Agent, Broker)

Telephone number

Signature

Date D / M / Y

CERTIFICATE OF INSURANCE Page 2 of 2

General

The insurance policies required on page 1 of the Certificate of Insurance must be in force and must include the insurance coverage listed under the corresponding type of insurance on this page.

The policies must insure the Contractor and must include Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services as an additional Insured.

The insurance policies must be endorsed to provide Canada with not less than thirty (30) days notice in writing in advance of a cancellation of insurance or any reduction in coverage.

Without increasing the limit of liability, the policies must protect all insured parties to the full extent of coverage provided. Further, the policies must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

Commercial General Liability

The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.

The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:

- (a) Blasting.
- (b) Pile driving and caisson work.
- (c) Underpinning.
- (d) Removal or weakening of support of any structure or land whether such support be natural or otherwise if the work is performed by the insured contractor.

The policy must have the following minimum limits:

- (a) **\$5,000,000** Each Occurrence Limit;
- (b) **\$10,000,000** General Aggregate Limit per policy year if the policy contains a General Aggregate; and
- (c) **\$5,000,000** Products/Completed Operations Aggregate Limit.

Umbrella or excess liability insurance may be used to achieve the required limits.

Builder's Risk / Installation Floater

The insurance coverage provided must not be less than that provided by the latest edition of IBC Forms 4042 and 4047.

The policy must permit use and occupancy of any of the projects, or any part thereof, where such use and occupancy is for the purposes for which a project is intended upon completion.

The policy may exclude or be endorsed to exclude coverage for loss or damage caused by asbestos, fungi or spores, cyber and terrorism.

The policy must have a limit that is **not less than the sum of the contract value** plus the declared value (if any) set forth in the contract documents of all material and equipment supplied by Canada at the site of the project to be incorporated into and form part of the finished Work. If the value of the Work is changed, the policy must be changed to reflect the revised contract value.

The policy must provide that the proceeds thereof are payable to Canada or as Canada may direct in accordance with GC10.2, "Insurance Proceeds" (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2900D/2>).

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NOV 17 2014



Government of Canada

Gouvernement du Canada

Contract Number / Numéro du contrat

WD134-15CYN1

Security Classification / Classification de sécurité
UNCLASSIFIED

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

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE	
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine National Defence	2. Branch or Directorate / Direction générale ou Direction AWING COLD LAKE
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant
4. Brief Description of Work / Brève description du travail BOILER REFRACTORY REPAIR	
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis	
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Non Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès	
Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/> Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion	
No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:
7. c) Level of information / Niveau d'information	
PROTECTED A PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	NATO SECRET NATO SECRET <input type="checkbox"/>
SECRET SECRET <input type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>	
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>	
	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
	SECRET SECRET <input type="checkbox"/>
	TOP SECRET TRÈS SECRET <input type="checkbox"/>
	TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité
UNCLASSIFIED

Canada



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

W0134-15CYNT

Security Classification / Classification de sécurité
UNCLASSIFIED

PART A - continued / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?
If Yes, indicate the level of sensitivity:
Dans l'affirmative, indiquer le niveau de sensibilité :

☒ No ☐ Yes
Non Oui

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate?

☒ No ☐ Yes
Non Oui

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

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

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

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

Special comments:

Commentaires spéciaux :

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

REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail?
If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté?

☐ No ☒ Yes
Non Oui
☐ No ☒ Yes
Non Oui

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

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes
Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC?

☒ No ☐ Yes
Non Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication, réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ?

☒ No ☐ Yes
Non Oui

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

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes
Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale?

☒ No ☐ Yes
Non Oui

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

UNCLASSIFIED

Canada



Government
of Canada

Gouvernement
du Canada

Contract Number / Numéro du contrat

V0134-15CYN1

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UNCLASSIFIED

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

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.
Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.
Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

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

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non ☐ Yes
Oui

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

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non ☐ Yes
Oui

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