

**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**  
**Public Works and Government Services / Travaux  
publics et services gouvernementaux**  
**Kingston Procurement**  
**Des Acquisitions Kingston**  
**86 Clarence Street, 2nd floor**  
**Kingston**  
**Ontario**  
**K7L 1X3**  
**Bid Fax: (613) 545-8067**

## REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

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

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

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

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

**Comments - Commentaires**

<b>Title - Sujet</b> Refrigeration - FI & WI	
<b>Solicitation No. - N° de l'invitation</b> 21401-131980/A	<b>Date</b> 2013-12-20
<b>Client Reference No. - N° de référence du client</b> 21401-13-1980	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$KIN-650-6267	
<b>File No. - N° de dossier</b> KIN-3-40174 (650)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-02-03</b>	<b>Time Zone Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Rombough, Lori	<b>Buyer Id - Id de l'acheteur</b> kin650
<b>Telephone No. - N° de téléphone</b> (613) 545-8061 ( )	<b>FAX No. - N° de FAX</b> (613) 545-8067
<b>Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:</b> Warkworth Institution - Campbellford, ON Frontenac Institution - Kingston, ON	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**Issuing Office - Bureau de distribution**

Public Works and Government Services / Travaux publics  
et services gouvernementaux  
Kingston Procurement  
Des Acquisitions Kingston  
86 Clarence Street, 2nd floor  
Kingston  
Ontario  
K7L 1X3

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm (type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## PART 1 - GENERAL INFORMATION

### 1. Security Requirement

There is no security requirement associated with this bid solicitation.

### 2. Requirement

Correctional Services Canada has a requirement to supply and deliver walk-in Dual mode coolers to 2 Institutions located in the Ontario Region. Erection of Boxes and Installation of the supplied mechanicals will be done by others. Specifically required are:

1.1 Frontenac Institution (FI) located in Kingston Ontario: One (1) walk-in, 1 Dual Mode Refrigerator

1.2 Warkworth Institution (WI) located in Campbellford Ontario: One (1) walk-in, 1 Dual Mode Refrigerator.

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), the Agreement on Internal Trade (AIT), Canada-Chile Free Trade Agreement, Canada-Columbia Free Trade Agreement and Canada-Peru Free Trade Agreement.

### 3. Mandatory Site Visit

It is mandatory that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for site visit to be held on:

Monday, January 13<sup>th</sup>, 2014 at 10:00 am at Frontenac Institution  
Tuesday, January 14<sup>th</sup>, 2014 at 10:00 am at Warkworth Institution

Bidders must communicate with the Contracting Authority **no later than 6 days (January 7, 2014)** before the scheduled visit to confirm attendance and provide the names of the person(s) who will attend. Bidders will be required to sign an attendance form. Bidders should confirm in their bids that they have attended the site visit. Bidders who do not attend or send a representative will not be given an alternative appointment and their bids will be rejected as non-compliant. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

### 4. Debriefings

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

## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

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

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

The 2003 (2013-06-01) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

## **2. Submission of Bids**

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

## **3. Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than **five (5)** calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

## **4. Applicable Laws**

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

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

# **PART 3 - BID PREPARATION INSTRUCTIONS**

## **1. Bid Preparation Instructions**

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy).

Section III: Certifications (1 hard copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and

- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

### **Section I: Technical Bid**

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

### **Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment - Annex B. The total amount of applicable taxes must be shown separately.

### **Section III: Certifications**

Bidders must submit the certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **1. Evaluation Procedures**

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

#### **1.1 Technical Evaluation**

Any bid which fails to meet the mandatory technical criteria will be declared non-responsive.

##### **1.1.1 Mandatory Technical Criteria**

#	DESCRIPTION
1	The Bidder must provide specifications (ie. cut sheets) of the proposed equipment. If any of these required specification(s) is/are not submitted with the bid, the Bidder will have 3 days to submit, upon request by PWGSC, or the bid will be deemed non-compliant
2	<b>Draft Drawings</b> The Bidder must provide draft drawings for each walk-in.

#### **1.2 Financial Evaluation**

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, Incoterms 2000, Delivery Duty Paid.

### **2. Basis of Selection**

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

## **PART 5 - CERTIFICATIONS**

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

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

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

## **1. Mandatory Certifications Required Precedent to Contract Award**

### **1.1 Code of Conduct and Certifications - Related documentation**

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

### **1.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list ([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from [Human Resources and Skills Development Canada \(HRSDC\) - Labour's](#) website.

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

## **PART 6 - RESULTING CONTRACT CLAUSES**

### **1. Security Requirement**

There is no security requirement associated with this contract.

### **2. Requirement**

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

### **3. Standard Clauses and Conditions**

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

#### **3.1 General Conditions**

2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### **4. Term of Contract**

#### **4.1 Delivery Date**

All the deliverables must be received on or before (To be filled in at contract award)

#### **4.2 Shipping Instructions – Delivered Duty Paid**

Goods must be consigned and delivered to the destinations specified in the contract:

Incoterms 2000 "DDP Delivered Duty Paid":

4.2.1 Correctional Service Canada, Warkworth Institution  
County Road 29 P.O. Box 760  
Campbellford, Ontario

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4.2.2 Frontenac Institution 1455 Bath road,  
Kingston ON.

## 5. Authorities

### 5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Lori Rombough  
Title: Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Address: 86 Clarence Street  
Kingston, ON K7L 1X3  
Telephone: 613-545-8061  
Facsimile: 613-545-8067  
E-mail address: lori.rombough@pwgsc.gc.ca

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

### 5.2 Technical Authority (To be filled in at contract award)

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

### 5.3 Contractor's Representative

Name: \_\_\_\_\_

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

## 6. Payment

### 6.1 Basis of Payment – Firm Unit Prices

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified in Annex "B" *for a cost of \$* \_\_\_\_\_ (To be filled in at contract award). Customs duties are *included* and Applicable Taxes are extra.

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

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## **6.2 Limitation of Price**

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

## **6.3 Multiple Payments**

SACC Manual clause H1001C (2008-05-12) Multiple Payments

## **7. Invoicing Instructions**

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

## **8. Certifications**

### **8.1 Compliance**

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## **9. Applicable Laws**

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

## **10. Priority of Documents**

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

- (a) the Articles of Agreement;
- (b) 2010A (2013-04-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract;
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated (To be filled in at contract award).



## **ANNEX "A" - REQUIREMENT**

### **1. Introduction**

Correctional Services Canada has a requirement to supply and deliver one (1), -1 °C Walk-in Coolers to Warkworth and Frontenac Institutions located in the Ontario Region. Erection of Boxes and Installation of the supplied mechanicals will be done by others.

Warkworth Institution (WI) is a Medium Security Institution for Federally sentenced men located at County Road 29 P.O. Box 760 K0L 1L0 Campbellford, Ontario. WI requires a **11.72** sq. meter, -1°C holding cooler to replace cooler 138 in room #136.

Frontenac Institution (FI) is a Minimum Security Institution for Federally sentenced men located at 1455 Bath road, Kingston ON. FI requires a **8.68** sq. meter, -1°C holding cooler to replace the cooler located across from room #152.

**All goods must be received by 31 March 2014.**

### **2. Background:**

Both Institutions require upgrades to their walk-in coolers with refrigeration system in order to meet its changing needs and to correct deficiencies identified through the refrigeration review completed recently.

The current walk-in coolers and freezers at both Institutions are either manufactured by a company which is no longer in business, or they are 25 years old in the very poor condition. They lack the capability to function as minus one function which is a requirement for both Institutions to become finishing kitchens, under the modernization of Foodservices to a quick chill program.

### **3. Confirmation of Measurements**

Final measurements are the responsibility of the Contractor. Within 5 days of contract award, the Contractor must go to both Institutions to confirm measurements and details.

### **4. Applicable Documents**

4.1 The areas of these solutions, walk-ins depictions and sketches are included in this Annex.

4.2 The Contractor shall supply to the Technical Authority (TA), all specifications, including product technical bulletins, handling, storage and installation instructions and datasheets.

4.3 The Contractor shall provide detailed engineered and certified mechanical drawings to the TA, after contract award. The TA, in consultation with the Contractor, shall set a deadline for submission of all final drawings. The TA must approve final drawings before the Contractor can proceed.

### **5. Constraints**

5.1 Contractor personnel will be escorted in specific areas of the institution as and where required by Correctional Service Canada personnel or those authorized by CSC on its behalf. CSC has developed very stringent internal policies to ensure that the security of institutional operations is not compromised. The Contractor and subcontractor's personnel shall submit to a local verification of identity/information through an authorized use of the Canadian Police Information Centre (CPIC) and must adhere to institutional requirements for the conduct of searches by Correctional Service Canada, prior to admittance to the requisite institution. Correctional Services Canada reserves the right to deny access to any institution of any Contractor personnel, at any time.

5.2 No cellular phones will be permitted on site.

### 5.3 Institutional Lockdown

There is a possibility of institutional lockdown at any time. The Contractor is expected to call the Keeper's Hall at (telephone number to be provided at contract award), a minimum of three (3) hours prior to arrival, to ensure that the Institution is under normal operations.

5.4 The Contractor will communicate with the Technical Authority for each site to arrange for a delivery of the equipment and allow for an implementation plan by the Installer to be submitted prior to the delivery of the units.

5.5 No contraband will be allowed on site. This includes but, is not limited to, cigarettes, alcohol, drugs, weapons or any items that may jeopardize the safety and security of people visiting, working at, or housed at a CSC facility. All visitors and staff entering and exiting the institution are subject to a non-intrusive search which may also include ion scanners and use of drug detection dogs.

CSC reserves the right to deny entry denied to any person:

- i. transporting unauthorized items or contraband,
- ii. suspected to be under the influence of an intoxicant, or
- iii. refusing to follow institutional search procedures;

## 6. **Warranty and Customer Support**

During the warranty period, the Contractor must respond within 6 hours and the work must be performed within 24 hours from receiving a service call.

## 7. **REQUIREMENT**

### 7.1 **WARKWORTH INSTITUTION**

Warkworth Institution (WI) requires a 11.72 sq. meter, -1°C holding cooler to replace cooler 138 in room #136.

The floor space required is calculated in square meters (11.72 m<sup>2</sup>) and allows for the appropriate number of dollies, including 1.980 m<sup>2</sup> of swing space to move product around for access when required in the refrigerator.

#### 7.1.2 **Crate Requirements**

The crates for chilled food storage are designed for storing chilled food and transporting it as well. Each crate will hold a maximum of 3 casings and will be stacked no higher than 6 high on a dolly designed to hold and manoeuvre chill crates at the site.

	length	Width	in <sup>2</sup>	m <sup>2</sup>	Weight lbs	Height
Chill crate	24	15	360.00	0.232	4.5	9.5
Dolly	24.5	15.5	379.75	0.245	15	5
Skid	48	45	2160.00	1.394	50	6

Size of Casing in Gallons	2
Weight per casing	16
Casings per Chill crate	3
Sous-vide bags per chill crate	4
Baskets per dollie	6
Baskets on row per skid	6
Maximum Height of dollie stack in inches	57
Maximum lifting height in inches	48

Crates per week (pumped food)	98
Crates per week (sous-vides tank cooked meats)	10
Total crates per week	108
Dollies per week	18
Maximum Rows per Skid	4
Maximum crates on a skid	24
Skids on a truck	5

### 7.1.3 Calculated requirements

Table below depicts the requirements of 18 dollies per week to be stored at the finishing kitchen totalling 4.410 m<sup>2</sup>. The cook chill program will require a 2 week inventory level bringing the total storage requirements to 8.820 m<sup>2</sup> plus a turnaround space of 1.980 m<sup>2</sup> for a total minimum chilled food holding space of 10.80 t m<sup>2</sup>. The unit is to be **11.72 m<sup>2</sup>** which is the size required for the existing area.

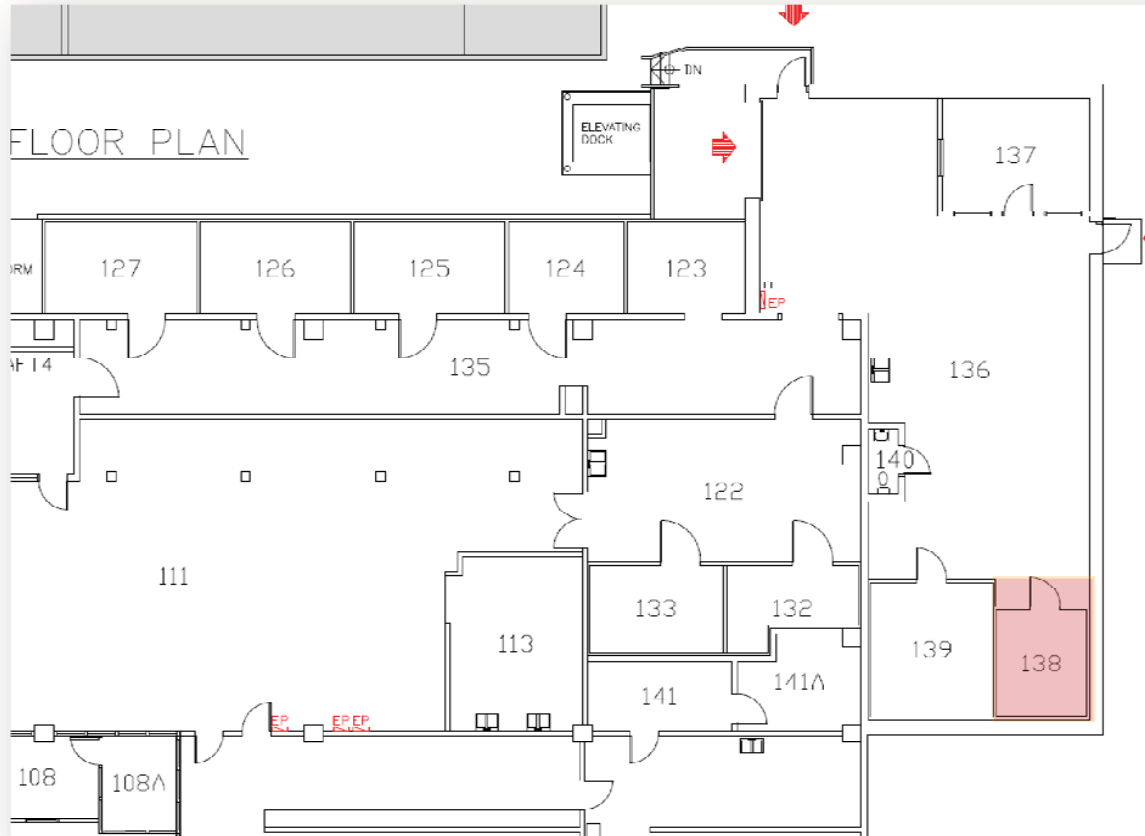
Finishing Kitchen	WI
Doillies	18
meters sq	4.410
2 week supply	8.820
Turnaround space (equiv to 4 dollies plus 1 m squared"	1.980
Total Finition Kitchen Floor Space m2	10.80 m <sup>2</sup>

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### 7.1.4 Warkworth Institution - Floor Plan and Recommended Location of Chilled Food Storage



### 7.1.5 Required Nominal Dimensions

Warkworth Institution Food Services Building				Maximum Outside Dimensions		
Item	Length	Width	Height	Door Size	Operating Temp	Maximum Area
Room 138 - Walk-in Cooler with floor	14' 5" 4.39 m	8' 6" 2.59 m	8' 3 5/8" 2.53 m	54" (137 cm) wide x 78" (198 cm) high	-5 °C to -1 °C	2.61 m x 4.32 m=11.72m2 = 122.5 sq ft

## 7.2 FRONTENAC INSTITUTION

Frontenac Institution (FI) requires a 8.63 sq. meter, -1°C holding cooler to replace the cooler located across from room #152.

The floor space required is calculated in square meters (m<sup>2</sup>) to allow for the appropriate number of dollies including 1.980 m<sup>2</sup> swing space to move product around for access when required in the refrigerator

### 7.2.2 Crate Requirements

The crates for chilled food storage are designed for storing chilled food and transporting it as well. Each crate will hold a maximum of 3 casings and will be stacked no higher than 6 high on a dolly designed to hold and maneuver chill crates at the site.

	length	width	in <sup>2</sup>	m <sup>2</sup>	Weight lbs	Height
Chill crate	24	15	360.00	0.232	4.5	9.5
Dolly	24.5	15.5	379.75	0.245	15	5
Skid	48	45	2160.00	1.394	50	6

Size of Casing in Gallons	2
Weight per casing	16
Casings per Chill crate	3
Sous-vide bags per chill crate	4
Baskets per dolly	6
Baskets on row per skid	6
Maximum Height of dolly stack in inches	57
Maximum lifting height	48

Crates per week (pumped food)	36
Crates per week (sous-vides tank cooked meats)	4
Total crates	40
Dollies per week	7
Maximum Rows per Skid	4
Maximum crates on a skid	24
Skids on a truck	2

Weight lbs

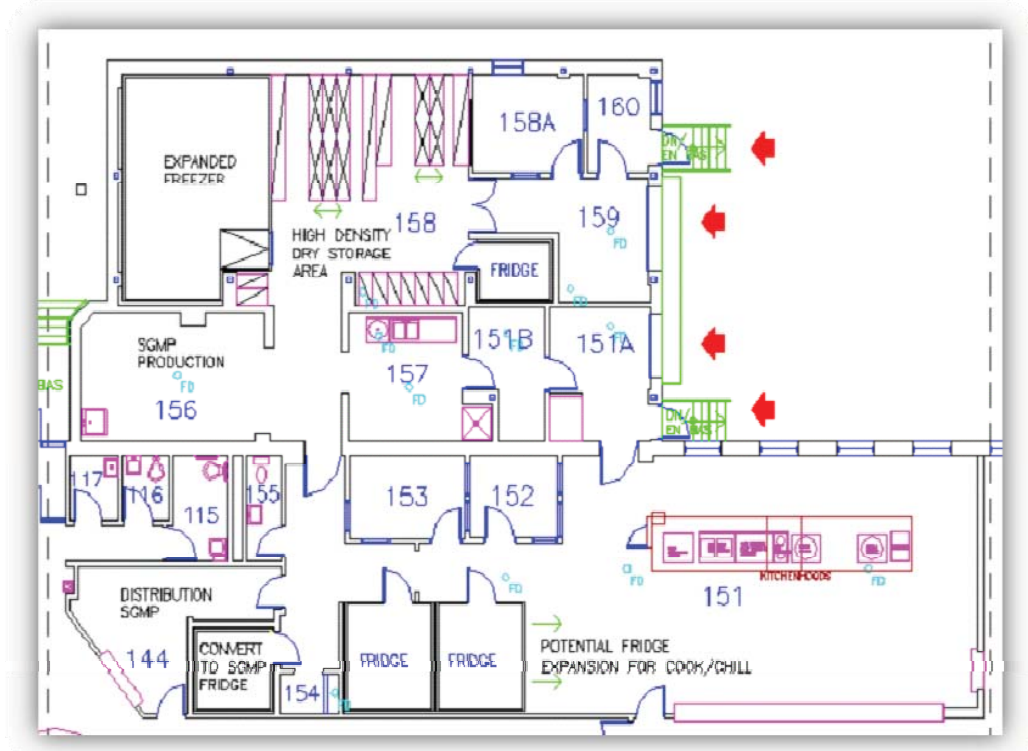
2,110

### 7.2.3 Calculated requirements

Table below depicts the requirements of 7 dollies per week to be stored at the finishing kitchen totalling 1.715 m<sup>2</sup>. The cook chill program will require a 2 week inventory level bringing the total storage requirements to 3.430 m<sup>2</sup> plus a turnaround space of 1.980 m<sup>2</sup> for a total minimum chilled food holding space of 5.41 m<sup>2</sup>. Unit is to **8.68 m<sup>2</sup>** which is the existing space of unit.

Finishing Kitchen	FI
Doillies	7
meters sq	1.715
2 week supply	3.430
Turnaround space (equiv to 4 dollies plus 1 m squared"	1.980
Total Finition Kitchen Floor Space m2 minimum	5.41

## 7.2.4 Floor Plan and Recommended Location of Chilled Food Storage



## 7.2.5 Required Nominal Dimensions

Frontenac Institution Food Service Building	Maximum Outside Dimensions			Door Size	Operating Temp	Maximum Area
Item	Length	Width	Height			
Room 151 - Walk-in Cooler with floor	10'2 3/64" 3.1 m	9' 2 15/64" (2.8 m)	8' 3 5/8" (2.53 m)	54" (137 cm) wide x 78" (198 cm) high	-5 °C to -1°C	3.1 x 2.8 = 8.68 m²

## **8. Performance**

### **8.1 Walk-ins Specification, Minimum Requirements**

The walk-in coolers must have the MINIMUM acceptable requirements:

#### **8.1.2 Overall Design**

- Must be of prefabricated modular design and construction
- Must NSF, UL, C-UL, CSA/ETL, ULC panel HACCP compliant
- Must be designed in the year 2012 or later
- Must be designed in maximum storage space is provided.
- Must be constructed with modular panels possessing cam-lock closers, for secure and tight fit between joints. All panels shall be interchangeable and have a non-silicone rubber gasket seal to ensure air tight and waterproof seals at the joints without the use of applied silicone.
- Must ensure panels are a minimum 4" (102mm) thick material core, made from CFC free and HCFC free material and permanently affixed to the interior and exterior metal panels
- Must have a minimum R-value of R27 for the cooler and R-32 for the freezer and retaining 75% of its R-value after 5 years
- Must have exterior and interior metal finishes at a minimum 26 gauge, corrosion, dent and scratch resistant coated steel
- Must be provided with a heated pressure-vacuum relief vent to relieve internal pressure or vacuum.
- Must possess light(s) suitable for walk-ins and appropriate to area to be illuminated.

#### **8.1.3 Floors & Ramps**

- All chilled food -1°C holding area must have an insulated floor with the following features;
  - Will withstand a minimum weight of 5,000 pounds per square foot of static weight.
  - Made of materials that are resistant to mould and water to ensure a strong structure that will not rot or rust.
  - finished with a metal plate, foamed in place, to disperse weight load evenly over the floor with an aggressive surface to reduce slips such as, 1/8 inch diamond tread aluminum.
- The unit shall have an interior, ramp and heated threshold. The ramp will have non-skid strips applied to top at a sufficient length and angle for easy loading of pallets using hand pallet jack. A heated ramp is desirable.

#### **8.1.4 Doors, Handles and Locks**

##### **Swing Doors**

The complete door section shall be both UL or CSA/ETL listed and so labeled,

Each door must have the following features:

- Minimum width & height as identified in the tables under 7.1.5 and 7.2.5
  - FI must have a Left swing door.
  - WI must have a Left hand swing door.
- Is flush (in-fitting), self-closing, flush-mounted with magnetic gaskets to ensure a complete seal between door, threshold, and door jamb.
- Is field adjustable.
- Construction and finish to be the same as panels
- Automatic closing devices to ensure they cannot be left open, accidentally. Hydraulic door closers are not acceptable.
- Spring loaded hinged with non reversible screws for correctional application.
- Ensures the bottom of door has a seal with an adjustable double sweep gasket, to resist water, fats and oils.
- A threshold (sill) plate made of materials to withstand heavy traffic.
- A door jamb that is rigid frame designed for easy cleaning and maintenance.
- A door frame that is equipped with an anti-sweat heater wire around the entire perimeter of the door opening. The heater wire shall provide enough heat to prevent condensation and in an electrically safe housing that can be easily replaced without the need for clips or special tools. All conduits for the inner-wiring of the door panel shall be totally concealed in the panel.
- A minimum of 36" high, 1/8 aluminum kick plates on the interior, exterior of the door plug and on the door frame, to prevent damage
- Vision Windows that are a minimum 14" x 14" tempered triple-pane, and moisture resistant clear glass viewing area. For clean and dry visibility, the walk-ins must have heated frames around the glass

##### **Handles & Locks**

On each door, the door handles and locks must have the following features:

- A combination door handle and locking device with no exterior hardware that can be removed from the outside of the door.
- The lock is field selectable to allow for keyless entry or will automatically lock each time the door is closed
- The locks are to be designed so that they may be re-keyed in the field using BEST-Stanley Lock keyway (to be supplied by CSC).
- The lock shall have an interior assembly as to allow safe egress at any time



## 8.2 Refrigeration Systems, Minimum Requirements

Each refrigeration system shall have the MINIMUM acceptable requirements:

### 8.2.1 Overall Design

- Overall design must be manufactured in the year 2012 or later
- WI: Unit must be compatible to be installed on existing rack in the compressor room into Mezzanine M02 enclosure on existing racking unit.
- FI: Unit must be compatible to be installed on existing rack in the compressor room and be equipped with outdoor compressor as units will be relocated in the future to an outside space.
- Must be an air-cooled condensing unit, scroll type compressor.
- Must utilize environmentally friendly (CFC free) refrigerant for environmental protection and unregulated distribution.
- The individual remote refrigeration system must be engineered to run at -5°C to -1°C with adequate compressor controller and defrost management system.

## 9. Evaporator Cooling Coils

- All walk-in coolers must be supplied with evaporator/cooling coils that have an integrated defrost management system. The evaporator/cooling coils with the integrated defrost management system will eliminate the need of defrost timers and other components of a traditional defrost process and must be a minimum 115V and a maximum 208V 1ph.
- All evaporator coils must be of adequate quantity and size to meet the performance specification of each of the units and dual units identified in section.
- All evaporator coils must have an optimal location, for performance achievement, and must be indicated on supplied drawings to give direction to the installers of the setup and configuration of the system.

## 10 Installation Consultation Services

The units will be erected and installed by **(to be filled in by PWGSC at contract award)**. Installation Consultation Services will be required for up to 6 hrs per site to answer any specialized technical questions or review submitted technical drawings for interpretation.

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21401-131980/A  
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21401-13-1980

Amd. No. - N° de la modif.  
File No. - N° du dossier  
KIN-3-40174

Buyer ID - Id de l'acheteur  
kin650  
CCC No./N° CCC - FMS No/ N° VME

**Annex "B" - Basis of Payment**

The Bidder **must submit** all-inclusive Delivered Duty Paid (DDP) prices in **Canadian Dollars**. Harmonized Sales Tax (HST) is not to be included in the prices but will be shown as a separate line item on the invoice.

Site	Type	Bidder's Proposed Equipment	Unit Price
FI	Chilled Food Holding -1 <sup>st</sup> Cooler with floor	Make: Model: Year:	\$
FI	Compressor and condenser to be mounted in existing racking	Make: Model: Year:	\$

Site	Type	Bidder's Proposed Equipment	Unit Price
WI	Chilled Food Holding -1 <sup>st</sup> Cooler with floor	Make: Model: Year:	\$
WI	Compressor and condenser to be mounted in existing racking	Make: Model: Year:	\$

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Services:	Hourly Rate:
Onsite Consultation during Installation Rate is to be inclusive of travel costs as travel will not be paid.	FI-6hrs @ \$ _____ = _____ WI-6hrs @ \$ _____ = _____

**Delivery - Delivered Duty Paid (DDP):** All items MUST be delivered no later than 31 March 2014.

Delivery will occur with: \_\_\_\_\_ weeks of request by the Technical Authority. Bidders are required to quote the best possible delivery date, taking into account the possible consequences (Termination for Default) by not meeting any resultant contractual obligation.