



Service correctionnel
Canada

Correctional Service
Canada

SPECIFICATIONS

REFRIGERATION AND A/C MECHANIC SERVICES
AND APPRENTICE -- TINSMITH / METAL SHEET
WORKERS SERVICES AND APPRENTICE



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01 14 00 GENERAL REQUIREMENTS

1. GENERAL INFORMATION

1.1. DESCRIPTION OF SERVICES

- 1.1.1. The services to which this Standing Offer applies includes, but are not limited to, the supply of: skilled labour, tools, and when requested by the CSC, materials, special equipment and disposal relating to REFRIGERATION AND A/C MECHANIC SERVICES AND TINSMITH / METAL SHEET WORKERS SERVICES
- 1.1.2. The scope of the services may include inspection, maintenance and repair. Please refer to paragraph 1.4 of section 22 10 00 *Technical aspects* for a description of the different tasks required.
- 1.1.3. All emergency services described in paragraph 1.12 of the present section are included in this Standing Offer.

1.2. DEFINITIONS

- 1.2.1. "CSC" – Correctional Service of Canada.
- 1.2.2. "Call-up" – Granting of a new mandate by the Technical Authority in order to carry out new inspection, maintenance, repair and/or construction work.
- 1.2.3. "Warden" – Warden or CSC representative, as the case may be.
- 1.2.4. "Technical Authority" – Individual responsible for the management of a call-up, including but not limited to, the Chief, Facilities management; Supervisor, Facilities management; Technical officer or Project leader.
- 1.2.5. "CSC representative" – All CSC employees or other individual mandated by the Technical Authority to intervene, to supervise or to oversee work in progress during a call-up.
- 1.2.6. "Contractor" Contractor or any representative of it.
- 1.2.7. "Contractor's Employee" – Employee of the Contractor or of one of the Subcontractors, equipment operators, transporters or suppliers.

1.3. RELEVANT SITES

- 1.3.1. The present Standing Offer may refer to any of the institutions indicated in Annex I. The Contractor is free to submit a quote for one or many establishments. CSC reserves the right to require proof that the Contractor can easily offer the required services according to the deadlines and for each of the regions for which a quote will be submitted.

1.4. WORK SITE VISITS

- 1.4.1. There must be no work site visits under this Standing Offer.
- 1.4.2. Unless otherwise stipulated by the Technical Authority, a site visit will be required only in the following cases:
 - a) When the first term is awarded by the institution;

- b) When a call-up is issued;
 - c) When a preliminary or detailed assessment is issued by the Technical Authority.
- 1.4.3. All visits for evaluating work site conditions and particularities in order to prepare a preliminary or detailed assessment, or to allow the Contractor to prepare for the work, must be made at the expense of the Contractor.
- 1.4.4. The Contractor must refrain from justifying errors, omissions or imperfections in the work by attributing them to existing conditions and particularities.
- 1.4.5. If a site visit is desired for a call-up, a request must be made to the Technical Authority. For institutional safety reasons, site visits must be conducted at specific times as determined in consultation with the Technical Authority. This visit will be at the expense of the Contractor.

1.5. CODES AND REGULATIONS

- 1.5.1. The Contractor must conform to all laws and regulations relating to the work, should they be under federal, provincial or municipal jurisdiction, as would be the case if the work was executed for a person other than the Government of Canada.
- 1.5.2. The Contractor must complete the work in accordance with the National Building Code of Canada (NBC) and any other applicable provincial or municipal codes. In the event of any inconsistency or conflict, the stricter requirements must prevail.
- 1.5.3. The Contractor must respect the obligations outlined by the *Act respecting labour relations, vocational training and workforce management in the construction industry* (Act R-20).

1.6. AWARDING CALL-UPS

- 1.6.1. Prior to each mandate, CSC must provide an outline of the work required and the facilities affected, and the Contractor must develop an operation strategy and submit it in writing for approval by the CSC Representative.
- 1.6.2. The Contractor must return a call or email from the Technical Authority within a forty-eight (48) working hours. Within five (5) working days from the date the call-up is issued, the Contractor must submit all required documents.
- 1.6.3. The Contractor must advise the Technical Authority when work progress reaches 75%. Should the Contractor believe that the preliminary assessment will be exceeded, it must inform the Technical Authority prior to reaching 75% work progress. If the Contractor fails, intentionally or unintentionally, to submit a progress report, it cannot bill hours that have not been approved.
- 1.6.4. During or following a call-up, should any rules, codes, objectives or other aspects not be respected by the Contractor, the CSC will produce dissatisfaction and deficiency report. This report will be shared with the Contractor as well as the Contracting Authority. The Contractor must then carry out the appropriate corrections and, if applicable, must carry out this work at their own expense. The dissatisfaction and deficiency report can be consulted in Annex IV.

1.7. DETAILED ASSESSMENT SHEET

- 1.7.1. The detailed assessment sheet can be consulted in Annex II.

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- 1.7.2. At the request of the Technical Authority, a call-up can begin by an assessment of work required and the production of a detailed assessment sheet by the Contractor. The Contractor must request approval by the Technical Authority to bill the time required for the production of the assessment in accordance with the applicable rated in the Basis of Payment.
- 1.7.3. Upon receipt of the detailed assessment sheet, the Technical Authority must authorize the work in writing and define the terms and conditions of the project work.
- 1.7.4. When requested by the Technical Authority, the Contractor may be asked to provide associated documents, such as described in paragraph 2.3 of section 22 10 00 *Technical Aspects*. The number of hours required to produce said documents must be preapproved by the Technical Authority.
- 1.7.5. CSC reserves the rights to refuse moving forward with the work following a proposed detailed assessment sheet. As previously agreed upon with the Technical Authority, the Contractor must be compensated for the time required to produce the document.

1.8. TIME SHEETS

- 1.8.1. The Contractor's Employees must fill out a worksheet at the end of each work day, taking care to complete all sections. The Contractor's Employees must obtain the Technical Authority's signature to ensure the validity of the document. Should the Technical Authority be absent, the worksheet must be signed by the CSC Representative mandated by the Technical Authority.
- 1.8.2. The time will be verified by the CSC Representative mandated to accompany the Contractor.
- 1.8.3. The number of hours indicated on the timesheet must correspond to productive working time only. All waiting time accrued by the Contractor or the Contractor's Employees caused by operational needs of CSC can be considered as working time to be billed.
- 1.8.4. Annotate on the timesheet access to fire extinguishers and cabinets that are congested so that the technical authority takes immediate action to clear these accesses and validate that the corrective action are not longer required.

1.9. WORK TIMELINES

- 1.9.1. The Contractor must commence work no later than ten (10) working days after a call-up is issued or according to the date indicated on the purchase order and must work diligently until all work is completed.
- 1.9.2. The Contractor should be able to provide more than one work team simultaneously, whether it be for the same work, a different call-up or, if applicable, a different institution.
- 1.9.3. The Contractor should be able to provide more than one work team simultaneously, whether it be for the same work, a different call-up or, if applicable, a different institution

1.10. WORK SCHEDULE

- 1.10.1. Pedestrian and vehicle access varies by institution. The opening hours for vehicle access can be, depending on the institution, restrictive and reduce the normal work hours in a day. The Technical Authority will share with the Contractor the applicable opening hours for vehicle access.

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- 1.10.2. For safety and time optimization reasons, the Technical Authority may require that the Contractor's Employees bring a meal to eat on the work site.
- 1.10.3. The normal work week is Monday through Friday, from 7:00 to 17:00 each day. However, specific work hours may vary between institutions. A normal work day can consist of up to eight (8) hours of work. These hours must be prescribed to the Contractor by the Technical Authority before the commencement of the mandate.
- 1.10.4. Work is not permitted on weekends or statutory holidays without the express authorization of the Warden, who must be asked at least seven (7) days in advance.

1.11. OVERTIME WORK

- 1.11.1. Authorization from the Warden is required for all overtime work. Furthermore, forty-eight (48) hours advanced notice is required before carrying out any authorized overtime work.
- 1.11.2. If overtime is required to complete an urgent task or ensuring safety, the Contractor must notify the Technical Authority as soon as the Contractor becomes aware of this necessity and must then follow the Technical Authority's instructions.
- 1.11.3. When overtime, weekend or statutory holiday work must be performed, as authorized by the Warden or the person appointed by, the Warden may designate additional supervisory staff. The Technical Authority may also assign additional staff to inspect the activities.

1.12. SERVICE CALLS FOR EMERGENCY WORK

- 1.12.1. The Contractor must provide an emergency phone number where he can be reached and must be available twenty-four (24) hours a day, seven (7) days a week.
- 1.12.2. For emergency work, the Contractor must begin the work within four (4) hours of receiving a service call.
- 1.12.3. There is a difference between "emergency work" and "planned work" outside of business hours:
 - a) "Emergency work" is a service call made by the Technical Authority requiring the Contractor's immediate mobilization.
 - b) "Planned work" is a service call made by the Technical Authority with at least twenty-four (24) hours' notice. The call-up award protocol described in paragraph 1.6 of the present section can be applied in its entirety.
- 1.12.4. The rate for an emergency service call must only be applied to that service.
- 1.12.5. During an emergency service call, in addition to elements already identified in the worksheet, the Contractor must detail the following : the work executed, the site conditions, if the work done is temporary or final, the technical and safety procedure details, and who accompanied him.

1.13. REQUIRED DOCUMENTS

- 1.13.1. The Contractor must keep a copy of each of the following documents on the work site:
 - a) Contract drawings and call-up work descriptions;

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b) Change order authorizations for modifications to the aforementioned.

1.14. ADDITIONAL DRAWINGS

- 1.14.1. The Technical Authority may provide the Contractor with additional drawings for clarification. These additional drawings must have the same significance and scope as if they were included in the contract documents.
- 1.14.2. On-site measurements must be transcribed onto the drawings to facilitate the interpretation of the dimensions of surfaces to be worked on.

2. PRODUCTS

2.1. NO OBJECT

3. EXECUTION

3.1. WORK FOLLOW-UP

- 3.1.1. When required, the Contractor must carry out an update of the work schedule in collaboration with and under the authorization of the Technical Authority.
- 3.1.2. The Contractor or his employees must advise the Technical Authority or CSC representative when they leave the site.
- 3.1.3. Timesheets must be submitted to the Technical Authority at the end of each work day.

3.2. CHANGE ORDERS

- 3.2.1. During the execution of work, all changes to the initial mandate must be approved by the Technical Authority.

3.3. CONTRACTOR'S USE OF SITE

- 3.3.1. The Contractor must refrain from unnecessarily cluttering the site with materials and equipment.
- 3.3.2. The Contractor must ensure that CSC staff and vehicles can access the site at all times.
- 3.3.3. The Contractor must comply with existing authorities.
- 3.3.4. The Contractor must have any vehicles that could be damaged during the work moved. In the event that one or more vehicles or other items on the site are damaged, the Contractor must have them repaired or replaced by authorized professionals, to the satisfaction of the Technical Authority.

3.4. LOCATION OF VARIOUS TYPES OF DEVICES AND EQUIPMENT

- 3.4.1. The locations of the various surface and underground devices and equipment included in the drawings or specified by the Technical Authority or other CSC representative must be considered approximate.
- 3.4.2. When applicable, the Contractor must modify work techniques in order to ensure detection of elements and to minimize risk of damage.

3.5. WARNING DEVICES

- 3.5.1. When applicable, the Contractor must provide, install and maintain temporary warning devices.

3.6. DRILLING AND DEMOLITION WORK

- 3.6.1. At all times and regardless of the scope of work, all drilling, drilling for anchoring and demolition work must be subject to a consultation with the Technical Authority prior to execution of the task. This consultation allows the Technical Authority to verify the asbestos registry in order to authorize the work. Following this, the work can be carried out in accordance with the requirements of the *CSC asbestos management program*. (Refer to paragraph 3.2 of section *01 74 11 Cleaning* for specifications on cleaning and associated costs).

3.7. WASTE MANAGEMENT AND DISPOSAL

- 3.7.1. When mentioned by the Technical Authority, the CSC waste containers may be made available to the Contractor.
- 3.7.2. See paragraph 2.3 of section *22 10 00 Technical Aspects* of the present specifications for this service description's, applicable when requested by the Technical Authority.
- 3.7.3. The Contractor must remove all unnecessary materials that are not salvaged or re-used and proceed with the elimination of the waste.
- 3.7.4. During demolition or with materials leftover from the work, the Contractor must carry out waste sorting in order to facilitate recycling of the various waste materials.
- 3.7.5. The Contractor must divert unused metal materials to an appropriate recycling facility approved by the Technical Authority.
- 3.7.6. The Contractor is responsible for choosing waste treatment sites.
- 3.7.7. It is forbidden to bury rubbish or waste materials.
- 3.7.8. It is forbidden to dispose of waste, volatile materials, mineral spirits, oil, paint thinner or any other waste material in storm or sanitary sewers or in waterways. These materials must be disposed of in accordance with the *Canadian Environmental Protection Act (1999)* and the *Québec Residual Materials Management Policy (1998-2008)*.

3.8. PATCHING UP

- 3.8.1. All elements damaged during work must be repaired to their prior condition.

3.9. BILLING

- 3.9.1. Detailed billing information must correspond to the prices per unit identified in the Basis of Payment and be justified by the previously approved timesheets. In case of a difference between the initial assessment and the totals upon completion of the work, the Contractor must adjust the invoice according to actual hours worked.
- 3.9.2. Lunch and transport time must not be billed.

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- 3.9.3. On-site inspections will be billed at the hourly rate as quoted on the basis of payment. Replaced labels and seals must be included in the hourly rate submitted.
- 3.9.4. The Contractor must ensure that each invoice includes, at minimum, the following:
- a) Identification of the institution;
 - b) The number of the order;
 - c) The call-up number;
 - d) The work order number;
 - e) A copy of the inspection, maintenance and repair reports.
- 3.9.5. Upon request from the technical authority, the contractor's representative must provide additional information to justify the billing.

END OF SECTION 01 14 00



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1. GENERAL INFORMATION

1.1. PURPOSE

- 1.1.1. To ensure that the work and institutional activities are carried out smoothly with no undue delays, and that institutional security is maintained at all times.

1.2. DEFINITIONS

- 1.2.1. "prohibited items" :

- a) Intoxicants, including alcohol, drugs and narcotics;
- b) A weapon or a component thereof, ammunition, or anything that is designed to kill, injure or disable a person or that can be assembled or modified for such purposes, possessed without prior authorization;
- c) An explosive or a bomb, or a component thereof;
- d) An amount of money exceeding the regulatory limit;

NOTE: Consult the *Corrections and Conditional Release Regulations (SOR/92-620)*: \$50 limit in a minimum-security institution, \$25 limit in a medium-security institution, maximum-security institution, or multi-level security institution.

- e) Any other item possessed without prior authorization that could jeopardize the security of the penitentiary or the safety of persons;
- f) Electronic or telecommunication devices;
- g) Tobacco products and associated products (including, but not limited to, cigarettes, electronic cigarettes, cigars, tobacco, chewing tobacco, cigarette-making machines, matches and lighters) are considered unauthorized items.

- 1.2.2. "commercial vehicle": Vehicle intended for the transportation of material, equipment or tools necessary for the work.

- 1.2.3. "work site": Area in which the Contractor is authorized to work, as indicated in the project plans. This area may be isolated from the institution's security perimeter.

- 1.2.4. "perimeter": Area of the institution surrounded by fencing or walls, preventing the free movement of inmates.

1.3. PRELIMINARY MEASURES

- 1.3.1. Prior to starting the work, the Contractor must communicate with the technical authority to:

- a) discuss the nature and the scope of the work associated with the project;
- b) establish mutually-acceptable security measures, in accordance with this directive and the specific needs of the institution.

- 1.3.2. The Contractor must:

- a) be sure to inform their employees of the security requirements;
- b) work with institutional staff to ensure that their employees comply with the security requirements.

1.4. CONTRACTOR'S EMPLOYEES

- 1.4.1. According to the Warden's preference, the Contractor must be aware that no employee will be admitted access to the institution without valid security clearance and have a recent photo identification card, such as a provincial driver's licence.
- 1.4.2. The Contractor must submit to the technical authority a list of the names and birth dates of all hi employees scheduled to work in the institution or all other CSC site, as well as their completed security clearance forms (*Federal Institution Access Request* form). Allow two (2) weeks for the security clearance forms to be processed.
- 1.4.3. The Warden may require that headshots be taken of the Contractor's Employees so that their pictures can be posted in appropriate areas throughout the institution or entered into a database for identification purposes. The Warden may also require that the Contractor's Employees prominently display photo identification on their clothing when they are within the institutional perimeter.
- 1.4.4. An individual will be refused entry to institutional premises if there is reason to believe that they pose a security risk.
- 1.4.5. Individuals will be immediately removed from institutional premises if:
 - a) they appear to be under the influence of alcohol, drugs or narcotics;
 - b) they behave in an abnormal or disorderly manner;
 - c) they are in possession of prohibited items.

1.5. VEHICLES

- 1.5.1. The personal vehicles of the Contractor's Employees are not allowed within the perimeter of medium- or maximum-security institutions without the express permission of the Warden.
- 1.5.2. All individuals who leave a vehicle unattended on CSC premises must close the windows and lock the doors and trunk. The owner of the vehicle or the employee from the company that owns the vehicle must ensure that the keys are kept safely in their personal possession.

NOTE: The institution may require that all vehicles and motorized equipment be equipped with a device that allows for locking the fuel cap.
- 1.5.3. The Warden can limit the number and type of vehicles permitted within the perimeter at any time.
- 1.5.4. Those delivering materials needed for the work may be required to have security clearance.
- 1.5.5. Should the Warden allow trailers to be left within the institution's perimeter, the doors and windows must remain closed and locked when left unattended. Windows must be equipped with expanded metal grates.

1.6. PARKING

- 1.6.1. The CSC Representative designates authorized parking areas for vehicles. If the Contractor's Employees park elsewhere, their vehicle may be towed.

1.7. SHIPMENTS

- 1.7.1. All shipments of material, equipment or tools for the work must be addressed to the Contractor to clearly distinguish them from shipments for the institution. The Contractor must ensure that his employees are on site to receive deliveries, as CSC staff will **not** accept deliveries of materials, equipment or tools intended for the Contractor.

1.8. COMMUNICATION DEVICES

- 1.8.1. Cellular or digital cordless phones (including, but not limited to, text messaging devices, pagers, BlackBerry, and telephones used as two-way radios), laptop computers and tablets are prohibited in the institution without the express authorization of the Warden. Even when permitted, they are not to be used by inmates.

- 1.8.2. The Warden may approve but limit the use of two-way radios.

NOTE: In some institutions, cellular or digital phones and two-way radios are permitted; however, conditions may apply. For example, their use may not be permitted in areas accessible to inmates.

1.9. TOOLS AND EQUIPMENT

- 1.9.1. The Contractor must keep a comprehensive list of the tools and equipment used during the work. This list must be kept up-to-date for the length of the work and be submitted for inspection when necessary.

NOTE: A list of unauthorized or restricted tools and equipment may be provided to the Contractor if necessary.

- 1.9.2. The Contractor's Employees must never leave tools unattended, particularly mechanical tools, files, saw blades, hacksaws, wire, rope, ladders and any item used for lifting (jacks, cylinders, etc.).

- 1.9.3. The Contractor's Employees must store tools and equipment in a secure, authorized location.

- 1.9.4. The Contractor's Employees must lock all toolboxes after use and keep the keys with them at all times. They must also lock scaffolding that is not being used; once erected, scaffolding must be secured to the satisfaction of the CSC representative.

- 1.9.5. The Contractor's Employees must notify the Technical Authority immediately if any tools or equipment have been lost or are unaccounted for.

- 1.9.6. The Warden will ensure that security staff verifies the Contractor's tools and equipment based on the list provided by the Contractor, at the following times:

- a) at the beginning and end of each project;
- b) each week, if the work lasts more than one (1) week.

NOTE: Some institutions require that tools and equipment be removed from the work site on a daily basis (e.g., in a busy area).

- 1.9.7. Some tools and equipment - such as cartridges and metal saw blades - are closely controlled. At the beginning of the day, the Contractor will be given a sufficient number of these items for one (1) day's work. Used blades/cartridges must be returned to the security personnel at the end of each day.

- 1.9.8. The use of fastening tools or other tools with cartridges is strictly prohibited.

NOTE: Controlled items are managed differently from one institution to another and must be verified with the specific institution.

- 1.9.9. If propane or natural gas is used as a heat source for the work, the institution requires that a member of its personnel supervise the work site outside of regular working hours.

NOTE: This is a concern if the work site is located near inmates' living units. A fire could put human lives in danger. Check the institution's policy.

1.10. KEYS

- 1.10.1. During the work, the Contractor must use regular cylinders in regular locks.

- 1.10.2. Once the security locks are installed, the CSC representative who escorts the Contractor's Employees must obtain the keys in order to open doors according to the Contractor's needs. The Contractor must inform his employees that only the CSC representatives escorting them are authorized to use the keys.

1.11. PRESCRIPTION MEDICATION

- 1.11.1. If the Contractor employs individuals who must take prescription medication during the work day, these employees must obtain authorization from the Warden to bring one (1) day's dosage into the institution.

1.12. RESTRICTIONS ON TOBACCO USE

- 1.12.1. Neither Contractors nor the Contractor's Employees are permitted to smoke inside correctional institutions, nor outside while within the perimeter of a correctional institution. They must not have unauthorized tobacco products in their possession within the institutional perimeter.

- 1.12.2. All individuals who violate this policy will be asked to stop smoking or to throw out all unauthorized tobacco products immediately. Individuals who continue to violate this policy will be asked to leave the institution.

- 1.12.3. Smoking will only be permitted outside the correctional institution's perimeter, in a location designated by the CSC representative.

1.13. PROHIBITED ITEMS

- 1.13.1. Firearms, ammunition, explosives, alcohol, drugs and narcotics are prohibited on institutional premises.

- 1.13.2. The Warden must be notified immediately if anyone is found in possession of prohibited items on the work site.

- 1.13.3. The Contractor must be vigilant in monitoring their employees as well as the employees of their Subcontractors. Individuals found in possession of prohibited items may have their security clearance revoked. If the violation is serious, the company in question may be expelled from the institution for the duration of the work.

- 1.13.4. If firearms or ammunition are found in the vehicle of a Contractor, Subcontractor, supplier, or their personnel, the security clearance of the vehicle's driver will be revoked immediately.

1.14. SEARCHES

- 1.14.1. All individuals and vehicles arriving on the institution's premises may be searched.
- 1.14.2. If the Warden has reason to believe that one of the Contractor's Employees is in possession of a prohibited item, the Warden may order a search of that individual.
- 1.14.3. The personal belongings of all the Contractor's Employees arriving at the institution may be checked to search for the residue of contraband drugs.

1.15. CONTACT WITH INMATES

- 1.15.1. It is prohibited to enter into contact with inmates, speak to them, give them anything or accept anything from them without specific authorization. Anyone who violates this order will be expelled from the site and have their security clearance revoked.
- 1.15.2. It is prohibited to photograph inmates or CSC employees. It is also prohibited to photograph sectors of the institution when such photography is not required for the execution of the present contract.

2. PRODUCTS

2.1. NO OBJECT

3. EXECUTION

3.1. ACCESS TO THE INSTITUTION

- 3.1.1. Neither the Contractor's Employees nor commercial vehicles may be admitted to the institution's premises outside normal working hours without the express authorization of the CSC representative.

3.2. VEHICLE TRAFFIC

- 3.2.1. Vehicles may enter and leave the facility escorted through the vehicle access barrier, at the times specified by the Technical Authority for each site. Note that service barriers will be inaccessible during the lunch hour.

NOTE: Hours vary from one institution to the next. They should be verified with the institution in question.

- 3.2.2. The Contractor must provide the Technical Authority forty-eight (48) hours' notice of the arrival of heavy equipment.
- 3.2.3. Vehicles carrying detritus or other material deemed impossible to search must constantly be monitored by CSC employees or security personnel who report to the Warden or must wait for an official head-count of the inmates to be conducted.
- 3.2.4. Before a commercial vehicle may be admitted onto the institution's perimeter, the Contractor or its representative must certify that the vehicle's content is essential to the execution of the work.
- 3.2.5. Entry will be refused to all vehicles carrying materials that the Warden believes pose a risk to institutional security.

3.3. CIRCULATION OF THE CONTRACTOR'S EMPLOYEES ON INSTITUTIONAL PREMISES

- 3.3.1. Subject to proper institutional security, the Warden will give the Contractor and the Contractor's Employees as much freedom of movement and autonomy as possible.
- 3.3.2. The previous paragraph notwithstanding, the Warden may:
 - a) prohibit access to sections of the institution;
 - b) require that the Contractor's Employees be accompanied by CSC security personnel in designated sections;
 - c) require that the Contractor's Employees remain on-site during coffee/health and lunch breaks, depending on the institution and the situation. The Contractor's Employees are not authorized to eat in the break room of CSC employees, but they may use another area designated by the Technical Authority.

3.4. UNINSTALLED EQUIPMENTS AND ACCESSORIES

- 3.4.1. The Contractor must submit all uninstalled devices, machines, equipment, accessories or hardware to the Technical Authority, who will ensure that they are destroyed or stored safely for later use. If so authorized by the Technical Authority, the Contractor must dispose of the object according to established security standards.

3.5. MONITORING AND INSPECTION

- 3.5.1. CSC security personnel will monitor and inspect the Contractor's Employees activities as well as related movement and vehicle traffic to ensure that established security standards are being followed.
- 3.5.2. At the start and throughout the duration of the work, CSC staff will convey to the Contractor's Employees the necessity of monitoring and inspections.

3.6. WORK STOPPAGE

- 3.6.1. At any time, the Warden may ask the Contractor, the Contractor's Employees, or Subcontractors not to enter the work site or to leave immediately if a security incident is in progress in the institution. The Contractor's Employees must note the name of the CSC employee issuing the request as well as the time and comply with the order as soon as possible.
- 3.6.2. Once notified, the Contractor must inform the CSC representative of work stoppage without delay.

3.7. WORK COMPLETION

- 3.7.1. Unless otherwise indicated in the contract, once the project is completed or the facilities handed back to the SCC, the Contractor must remove all materials, tools and equipment from the institution, as well as perform a final clean-up of the site.

END OF SECTION 01 35 13



Service correctionnel
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01 35 30 HEALTH AND SAFETY

1. GENERAL INFORMATION

1.1. SECTION CONTENT

- 1.1.1. The Contractor must manage their activities in such a way that people's health and safety and the protection of the environment take precedence over issues related to work costs and schedule.

1.2. REFERENCES

- 1.2.1. Part II of the *Canada Labour Code, Canada Occupational Safety and Health Regulations*
- 1.2.2. Canadian Standards Association (CSA)
- 1.2.3. Workplace Hazardous Materials Information System (WHMIS) / Health Canada
 - a) Material Safety Data Sheet (MSDS)
- 1.2.4. *Act respecting occupational health and safety*, R.S.Q., c. S-2.1
- 1.2.5. *Safety Code for the Construction Industry*, S-2.1 r.6
- 1.2.6. *CSC Health and Safety Programs*.

1.3. REQUIREMENTS OF THE REGULATORY BODY

- 1.3.1. The Contractor must comply with all legislation, regulations and standards that apply to the execution of the work.
- 1.3.2. Regardless of the publication date of standards indicated in the *Safety Code for the Construction Industry*, reference must be made to the version in force at the time it is applied.

1.4. DOCUMENTS TO BE SUBMITTED

- 1.4.1. The Contractor must submit to the Technical Authority a copy of any inspection report, correction notice or recommendation issued by federal or provincial inspectors, within 24 hours of it being issued.
- 1.4.2. The Contractor must submit to the Technical Authority an investigation report for any accident that led to injury and for any incident that revealed a potential hazard, within 24 hours of said incident.
- 1.4.3. At the request of the Technical Authority, the Contractor must submit all Material Safety Data Sheets for controlled products used on the work site at least three (3) days prior to their use.
- 1.4.4. When applicable, the Contractor must submit to the Technical Authority copies of the training certificates that are required to implement the prevention plan, namely:
 - a) General Health and Safety on Construction Sites course
 - b) Work likely to emit asbestos dust
 - c) Work in confined spaces
 - d) Lockout procedure
 - e) Wearing and Adjusting Personal Protective Equipment
 - f) Safe Forklift Operation

- g) Elevating work platforms
- h) And all other training required by the regulations

1.5. RISK ASSESSMENT

- 1.5.1. The Contractor must identify potential hazards related to each task performed on the work site.
- 1.5.2. The Contractor must plan and organize the work to eliminate risks at the source or ensure collective protection, thereby minimizing the need to use personal protective equipment. When personal protection against falls is required, workers must use a safety harness in compliance with Standard CAN/CSA-Z259.10-12. Safety belts must not be used to protect against falls.
- 1.5.3. Any equipment, tool or protective equipment that cannot be installed or used without compromising the health and safety of workers or the public will be considered inappropriate for the work to be performed.
- 1.5.4. When requested, the Contractor must submit to the Technical Authority the certificate of conformity for mechanical equipment as well as certificates proving said equipment is in good working condition. The Technical Authority can, at any time, upon suspicion of defect or risk of an accident, order the immediate stoppage of the equipment and demand a second inspection by a specialist of their choosing.

1.6. MEETINGS

- 1.6.1. At the request of the Technical Authority following the request for a call-up, the Contractor must attend all meetings that address health and safety issues relating to the work being carried out. The Contractor can bill CSC for this time at the management rate specified in the Base of Payment.

1.7. HEALTH AND SAFETY MANAGEMENT

- 1.7.1. The Contractor must accept and assume responsibility for all tasks and obligations relating to the health and safety of the site and its occupants.
- 1.7.2. The Contractor must comply with the health and safety programs in place at CSC. The Technical Authority will be able to provide the necessary elements to meet all requirements.

1.8. APPLICABLE MEASURES

- 1.8.1. The Contractor must always appoint a qualified individual as supervisor and health and safety representative.
- 1.8.2. The Contractor must take all necessary measures to ensure that the health and safety requirements listed in the contractual documents, federal and provincial regulations, applicable standards and work-specific prevention plan are implemented and respected, as well as comply with any correction order or notice issued by CSC without delay.

1.9. COMMUNICATION AND POSTED INFORMATION

- 1.9.1. The Contractor must take all necessary measures to ensure that on-site health and safety information is properly communicated. All the Contractor's Employees must be informed of the specifics of the prevention plan, their responsibilities and their rights upon arrival at the work site. The Contractor must emphasize right of his employees to refuse to perform a task if they feel that it could compromise their health, safety or physical well-being, or that of others on site.
- 1.9.2. The Contractor must keep a copy of the WHMIS data sheets on site.

1.10. UNFORESEEN HAZARDS

- 1.10.1. If a hazard that was not specified in the quote and not identified during the preliminary site inspection arises because of or during the execution of work, the Contractor must immediately stop all work, implement temporary protective measures for workers and the public, and notify the Technical Authority both verbally and in writing. When applicable, the Contractor must then make the necessary changes to the prevention plan so that work can resume safely.

2. PRODUCTS

2.1. NO OBJECT

3. EXECUTION

3.1. CONDITIONS OF THE PLACE OF WORK / IMPLEMENTATION

When applicable, the Contractor must take into account the following particularities:

- 3.1.1. WORK IN A CORRECTIONAL FACILITY see section 01 35 13.
- 3.1.2. WORK IN CONFINED SPACE
 - a) The Contractor's Employees must provide proof that they are certified to work in confined spaces.
 - b) The detailed assessment must take into account the working conditions of confined spaces. Exceeding the detailed assessment cannot be justified by the omission of this consideration.
 - c) CSC has a confined space safety program and a risk assessment for each of the existing confined spaces. The Contractor must consult and comply with these documents.
 - d) The Contractor's Employees must acquire a Confined Space Entry Permit and must comply with the institution's requirements in this regard.
 - e) When working in confined spaces, the contractor must be able to provide a qualified watchman and all the necessary equipment including but not restricting to, harnesses, cables, tripods, carabiners, tested and calibrated 4 gas meter, communication radios, respirator and other personal protective equipment. Following an advance notice, CSC will pay the costs associated with the rental / supply of tripods, lifelines and other required equipment upon presentation of the invoice. These may be billed to CSC at the rate established in the special equipment category at the payment base.

f)

3.1.3. PRESENCE OF ASBESTOS

- a) There are many asbestos-containing materials in CSC's installations. These materials have been characterized, and an inventory is taken annually. They are found particularly in the piping and ventilation insulation, but also in other materials such as joint compound, mortar, stucco, vinyl and acoustic tile, to name but a few. Before drilling or tampering with an existing material, the Contractor is responsible for asking the Technical Authority about the presence of asbestos.
- b) Inhaling asbestos fibre may be harmful to human health. If, during the course of the work, the Contractor discovers materials that resemble asbestos, they must halt all work and notify the Technical Authority immediately. The Contractor must not resume the work until reception of written instructions from the Technical Authority in this regard.

3.1.4. WORKING AT HEIGHTS

- a) The Contractor's Employees must provide proof that are certified to work at heights.
- b) The detailed assessment must take into account the conditions of working at heights. Exceeding the detailed assessment cannot be justified by the omission of this consideration.
- c) CSC has a safety program for working at heights. The contractor must consult and comply with it, particularly for work permit applications.
- d) When working at heights, the Contractor must provide all personal protective equipment, at no cost.

3.1.5. LOCK-OUT

- a) CSC has a lockout program. The contractor must consult and comply with it, particularly for work permit applications

3.1.6. ELECTRICAL SAFETY

- a) CSC has a workplace electricity policy. The contractor must consult and comply with it, especially for de-energization, risk analysis and field marking

END OF SECTION 01 35 30



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01 74 11 CLEANING

Canada

1. GENERAL INFORMATION

1.1. PICK UP DEBRIS

- 1.1.1. The Contractor's Employees must foresee in their planning a period for site clean-up. No rate other than the normal rate for the workforce is applicable.
- 1.1.2. Refer to paragraph 2.6 of Section 22 10 00 - Technical Requirements for the waste disposal rate.

2. PRODUCTS

2.1. NO OBJECT

3. EXECUTION

3.1. WORK SITE CLEANLINESS

- 3.1.1. The Contractor's Employees must keep the work site clean and free of debris and waste materials.
- 3.1.2. The Contractor must take all necessary action and obtain permits from the appropriate authorities to have debris and waste materials disposed of.
- 3.1.3. If requested by the Technical Authority, the Contractor must provide for debris and waste removal receptacles on the work site.
- 3.1.4. The Contractor's Employees must remove debris and waste materials from the work site at the end of every shift.
- 3.1.5. The Contractor's Employees must store volatile wastes in sealed metal containers and remove them from the work site at the end of every shift.
- 3.1.6. When applicable, the Contractor's Employees must clean up existing roads that have been used by the vehicles of the Contractor.

3.2. CLEANING OF DRILLING WORK

- 3.2.1. All drilling and demolition work will be subject to a consultation with the Technical Authority prior to execution of the task. This consultation allows the Technical Authority to verify the asbestos registry in order to authorize the work.
- 3.2.2. The work must be carried out in accordance with the requirements of the CSC program for the management of asbestos.
- 3.2.3. **In all cases**, all debris caused by this work, whether in occupied or unoccupied spaces such as inter-ceilings, rooms or mechanical voids, must be completely collected and the surfaces cleaned by vacuuming.
- 3.2.4. Failure to comply to the clauses in the present section resulting in CSC needing to decontaminate and/or clean the debris will result in the production of a dissatisfaction and deficiency report. This report will be shared with the Contractor and the contracting authority.

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3.3. FINAL CLEAN-UP

- 3.3.1. The Contractor's Employees must sweep and clean all surfaces affected by the work.
- 3.3.2. The Contractor's Employees must dust furniture, devices and other surfaces when there the work causes dust to be produced.
- 3.3.3. Failure to comply to the clauses in the present section resulting in CSC needing to clean the work site after the Contractor has left will result in the production of a dissatisfaction and deficiency report. This report will be shared with the Contractor and the contracting authority.

END OF SECTION 07 74 11



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22 10 00 TECHNICAL REQUIREMENTS

1. GENERAL INFORMATION

1.1. REFERENCES

- 1.1.1. The *Act respecting occupational health and safety* (R.S.Q., c. S-2.1) and the *Regulation respecting occupational health and safety* (r.19.01) currently in effect.
- 1.1.2. Health Canada – Workplace Hazardous Materials Information System (WHMIS).
- 1.1.3. Material Safety Data Sheets (MSDS).
- 1.1.4. Chapter R-20 - *Act respecting labour relations, vocational training and workforce management in the construction industry*.
- 1.1.5. Ventilation /vibration AMCA 204-06

1.2. CODES

- 1.2.1. The Contractor must complete the work in accordance with the following regulations, as well as any other applicable federal, provincial or municipal codes. In the event of any inconsistency or conflict, the stricter requirements will prevail.
 - a) National Building Code of Canada (NBC) 2015, including all amendments to date.
 - b) Quebec Construction Code (QCC).
 - c) National Plumbing Code of Canada (NPCC).
 - d) National Fire Code of Canada (NFCC).
 - e) Fire protection standard from the Treasury Board of Canada.
 - f) Canadian Environmental Protection Act, 1999 (CEPA).
 - g) American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE).
 - h) Sheet Metal and Air Conditioning Contractors' National Association (SMACNA).
 - i) CSC Commissioner's Regulations and directives that apply to the present document, including but not limited to:
 - CSC Commissioner's Directive nb 318 – Environmental programs.
 - CSC's Internal Service Directive nb 318-4 – Environmental Management of Halocarbons.
 - Federal Halocarbon Regulations, 2003.
 - Ozone-Depleting Substances Regulations, 1998.
 - Environment Canada, Canadian environmental Protection - Environmental Code of Practice for the Elimination of Fluorocarbon Emissions from Refrigeration and Air Conditioning Systems, march 1996.
 - *Canada's Strategy to Accelerate the Phase-Out of CFC and Halons Uses and to Dispose of the Surplus Stocks*, CCME, 2001

- j) Regulations by the Canadian Centre for Occupational Health and safety (CCOHS), which are available at the following address:
<https://www.cchst.ca/topics/legislation/standards/> .
 - Welding cutting;
 - General storage;
 - Fire extinguisher.

1.3. QUALITY ASSURANCE

- 1.3.1. The Contractor must provide a copy of their licence issued by the *Régie du Bâtiment du Québec* (RBQ), in the categories required for the work, or minimally for the following categories:
 - a) 15.8 Contractor – Ventilation
 - b) 15.10 Contractor – Refrigeration
- 1.3.2. The contractor who is bidding for one or more institutions must demonstrate that he has a business address located within a 75 km perimeter of the institutions he wishes to bid on.

Note: **For Port-Cartier institution the maximum perimeter his 200 KM.**

1.4. TASK DESCRIPTION

- 1.4.1. The scope of the mandate may include various inspection, maintenance, repair and construction work. These may include, without being limited to:
 - a) Maintenance, replacement, modification, inspection, repairs of existing components and installation of new components to mechanical refrigeration systems;
 - b) Assemble and install refrigeration and conditioning elements like motors, controls, gauges, valves, circulating pumps, condensers, humidifiers, evaporators and compressors;
 - c) Install and repair the mechanical refrigeration units of ventilation, air treatment and air-conditioning systems;
 - d) Refill the installations with refrigerant, control and test regulators, calibrate systems and perform routine services and service maintenance.
 - e) Perform leak testing and fill de various SCC forms as described on paragraph 1.5 of the present section;
 - f) On equipment with a capacity of 5.4 tons or more, perform leak tests at system start-up in the spring and at shutdown in the fall. See system list on annex VI;
 - g) Perform diagnostics and steps to find the cause of a failure;
 - h) Provide solutions to correct the detected problems and produce cost estimates;
 - i) Provide copies of warranty and of operation and maintenance manuals.
 - j) Installation and adjustment of ventilation ducts, air supply and extraction
 - k) Installation of devices and equipment attached to the air distribution network

- l) Installation and repair of ducts, access hatches, grilles and diffusers, fire dampers, balancing key actuators, etc.
- m) Measurement of air flow and quality
- n) Vibration analysis
- o) Sound level analysis
- p) Ventilation system calibration.

1.4.2. The contractor must be able to work on the various brands and models of the systems listed in Annex VI for each site that is of concern.

1.5. FORMS TO BE FILLED

1.5.1. In order to comply with the Federal Halocarbon Regulations and CSC internal directives 318-4 – Environmental Management of Halocarbons, the refrigeration technician must ensure that all the forms required are legibly completed. Fill out the forms CSC/SCC 1265-01 and ENV-01 (annex V) when the situation requires it:

- a) When any leak or loss of refrigerant gas is noted, the refrigeration mechanic must inform the technical authority the same day and complete the Halocarbon Release Report:
 - Form CSC/SCC 1265-01A;
 - Form ENV-01 Section II B.
- b) When performing a leak detection test on an air conditioning or refrigeration system, the refrigeration mechanic must affix a copy of the notice on the system and complete the Leak Test Notice for Refrigeration and Air-Conditioning Systems:
 - Form CSC/SCC 1265-01C;
 - Form ENV-01 Section II A.
- c) Before proceeding with Decommissioning, Disassembly or Destruction Notice (Section II D): to be completed prior to destruction, decommissioning or disposal of any system, including refrigerators, freezers and water coolers. A copy of the form must be affixed to the removed device.
 - Form CSC/SCC 1265-01D;
 - Form ENV-01 Section II D.
- d) When installing a new air conditioning or refrigeration system, recovering refrigerant gases and when carrying out maintenance work which is likely to result in a release of halocarbons, the refrigeration mechanic must affix a copy of the notice on the system and complete the Maintenance Record:
 - Form CSC/SCC 1265-01E;
 - Form ENV-01 Section II C.
 - Each interview must be followed by a leak test, see point 1.5.1 b)
- e) Enter comments / details on the intervention in the section provided for form ENV-01. Also complete the last two sections of the form, namely: the first and last name of the technician, his halocarbon certificate number, the name of the employer, the signature and the date.

- 1.5.2. The ENV-01 forms (Appendix V) will be provided by CSC.
- 1.5.3. Share copies of completed forms as directed by CSC.
- 1.5.4. In the event of a leak or loss of gas the refrigeration engineer must also enter the relevant information, quantity and type of gas on his timesheet.

2. PRODUCTS

2.1. LABOUR

- 2.1.1. The Contractor must be able to provide for both: Journeyman Refrigeration mechanic and apprentice Refrigeration mechanic services. The Contractor's Employee must
- 2.1.2. provide proof that they have trade certificates issued by the *Commission de la Construction de Québec* to perform the work.
- 2.1.3. The contractor must be able to provide the service performed by the two types of skills: Tinsmith and apprentice Tinsmith / Refrigeration mechanic and apprentice Refrigeration mechanic. The Contractor must be able to provide more than one work team at a time.
- 2.1.4. A workteam is made up of either:
 - a) A journeyman, or
 - b) A journeyman and an apprentice
- 2.1.5. Specialized Refrigeration mechanic for annual tests:
 - a) Possess an environmental qualification certificate for category H1 (refrigeration appliances) and a journeyman card;
 - b) Have the ability to work on air conditioning systems and refrigeration systems with a capacity of 200 watts or more. These capabilities must include work on piping, accessories and other equipment necessary for the production of cold, as well as the distribution of fluids and refrigerant mixtures.
- 2.1.6. The entrepreneur must also be able to provide the service performed by three types of specializations:
 - a) Vibration technician trained in accordance with ISO 18436.2: 2003
 - b) Technician in air quality measurement
 - c) Technician in balancing of ventilation systems
- 2.1.7. The contractor must be able to provide more than work team at the same time . A work teams defined as follows
 - a) a) A companion; or
 - b) b) A journeyman and an apprentice; or
 - c) A specialized technician
- 2.1.8. The Contractor must ensure that he has have the qualifications necessary to complete the tasks assigned to him, as described in paragraph 1.4.1.

2.2. EQUIPMENT LIST

- 2.2.1. Always, the Contractor must be in possession of the usual parts and materials to accomplish basic interventions.
- 2.2.2. The Contractor should have, at a minimum, the following equipment and materials when presenting for work at the institution:
- a) Service truck :
- Six (6), height (8) and ten (10) foot step ladders;
 - Thirty (30) foot ladder;
 - 3/16" to two(2) inch Hilti-type hammer drill;
 - Battery drill and impact driver;
 - Toolboxes with various basic manual tools;
 - Bottle of soapy water;
 - Ratchet wrench with sockets;
 - Pipe-cutter;
 - Flaring tool;
 - Pinch off tool;
 - Benders of several diameter or bending springs;
 - 12" metal saw;
 - Reaming tool (conical and pen);
 - Radiator fin Straightener Comb;
 - Core Remover tool;
 - Torch and nozzles;
 - Manometer and filling hose;
 - Multimeter, ammeter-ohmmeter;
 - Vandal-resistant bit kit;
 - Sufficient number of extension cords;
 - Security harness for each employee;
 - All other personal health and safety equipment;
 - All other tools and equipment required to carry out the above-mentioned tasks.
- b) Cleaning equipment:
- Oil recovery container;
 - Broom and HEPA filter vacuum;
 - Shovel;
 - Garbage bags and bins.
- c) Basic materials
- Example: Compressor oil;

- d) As needed:
 - Generator, minimum 3500 watts

2.3. PRODUCTION OF ASSOCIATED DOCUMENTS

- 2.3.1. Following a specific request by the Technical Authority, the Contractor may be required to perform related services, including but not limited to:
- a) Production of a list of general maintenance tasks specific to the equipment installed as well as the maintenance frequency for each of them;
 - b) Production of detailed assessments;
 - c) Production of material lists;
 - d) Search for a specialized product or get quotes for such products;
 - e) Production and updating of a work schedule;
 - f) Production of a document of work procedures specific to the work or to health and safety (eg: lockout procedure);
 - g) Preparation of preventive maintenance sheets, according to the CSC model;
 - h) Production of a project binder with technical sheets and maintenance manuals for the products or devices installed;
 - i) The annotation of the drawings so that CSC can update the CAD plans. The technical authority may also ask to validate and correct, if necessary, additional information such as the positioning of manual stations, emergency lighting or exit signals, etc.
 - j) Air quality report containing, but not limited to,: temperature, humidity, percentage of fresh air, CO₂, CO, VOC, air particles and air movements;
 - k) Sound level report;
- 2.3.2. The hourly rate associated with this category of services is defined in the Basis of Payment.
- 2.3.3. When the Technical Authority considers that the estimate of the number of hours required to perform the requested service is considerably too high, the CSC reserves the right to request additional explanations from the contractor and ask him to revise the quantities as needed.

2.4. SUPPLY OF MATERIALS

- 2.4.1. The Contractor may need to provide certain parts and basic materials upon request by the Technical Authority.
- 2.4.2. Should the Contractor provide materials, they must be indicated on the timesheet signed and approved by the Technical Authority at the end of every work day.

- 2.4.3. Parts and equipment requiring replacement must be new ,compatible;
- 2.4.4. The Contractor must favour healthy and sustainable materials. For example, they should be exempt of Asbestos fibres.
- 2.4.5. Materials and parts required for repairs and maintenance must be billed at market cost with an additional pre-established percentage of profit, as indicated on the basis of payment. In case of doubt, CSC reserves the right to carry out verifications on submitted prices with three other suppliers. If the prices submitted by the Contractor are superior to the priced obtained by CSC, the Contractor may be required to reduce the cost of those materials.

2.5. SUPPLY OF SPECIAL EQUIPEMENT AND ASSOCIATED SERVICES

- 2.5.1. The Contractor must provide, upon request, all equipment or associated service which could be needed in order to complete the work requested by the CSC, for example: scaffolding, lift, or other equipment.
- 2.5.2. The equipment or service must be billed at market value with an additional pre-established percentage, as indicated in the invitation to tender. In case of doubt, CSC reserves the right to carry out verifications on submitted prices with three other suppliers. If the prices submitted by the Contractor are superior to the priced obtained by CSC, the Contractor may be required to reduce the cost of the equipment or service.

2.6. DISPOSAL

- 2.6.1. The Contractor may be responsible for the disposal of demolition and construction waste caused by the work, when requested by CSC.
- 2.6.2. See Section 01 14 00, Section 3.7 - General Requirements of this Specification for the conditions applicable to the provision.
- 2.6.3. Disposal must be billed at market value with an additional pre-established percentage, as indicated in the Base of Payment. In case of doubt, CSC reserves the right to carry out verifications on submitted prices with three other suppliers. If the prices submitted by the Contractor are superior to the priced obtained by CSC, the Contractor may be required to reduce the cost of disposal.

3. EXECUTION

3.1. EXISTING NETWORKS

- 3.1.1. When work requires connecting to existing networks, the Contractor must carry it out during the hours established by the Technical Authority while disrupting institutional activities and operations as little as possible.
- 3.1.2. The Contractor must submit the work schedule to the Technical Authority and obtain their approval at least 48 hours in advance regarding any interruption or disruption of existing networks or services. Interruptions will be carried out in accordance with the approved schedule and following notification of the Technical Authority.

3.2. PRESENCE OF ASBESTOS

- 3.2.1. Removing asbestos fibre can be a health hazard. If, during the course of the work, the

Contractor discovers materials that resemble asbestos, they must halt all work and notify the Technical Authority immediately. The Contractor will not resume work until reception of written instructions from the Technical Authority in this regard.

3.3. QUALITY OF WORK

- 3.3.1. The Contractor must complete the work satisfactorily, with diligence, and according to industry standards.
- 3.3.2. Work must be completed with precision, ensuring good function and durability. It must be level, plumb, solid and completed.
- 3.3.3. . The opening at the perimeter of the openings must be sealed according to the receiving architectural elements as well as their level of resistance to fire and weathering.
- 3.3.4. Exposed elements must be carefully installed with appropriate finishes and fixings to the satisfaction of the Technical Authority. Establish and suggest materials as well as the proposed installation detail to the attention of the technical authority before installation in order to agree on the way of doing and the expected result and to obtain the approval to proceed by the technical authority.
- 3.3.5. New installations must be installed in such a way as not to interfere with the equipment already in place and must allow easy access for maintenance operations.

3.4. EMERGENCY PROCEDURE

- 3.4.1. In case of a technical emergency during work, the Contractor must immediately inform the Technical Authority of the situation and try to limit the damage as much as possible while making sure not to endanger the health and safety of himself or others.
- 3.4.2. The Contractor must inform the Technical Authority of any additional work that may incur costs for CSC and wait for instructions before carrying them out.

3.5. INSPECTION AND ACCEPTANCE OF WORK

- 3.5.1. Any call-up work falling under this Standing Offer will be subject to inspection and acceptance by the Technical Authority.
- 3.5.2. If, following an inspection, the Technical Authority considers work quality to be insufficient or detects deficiencies, a dissatisfaction and deficiency report (annex IV) will be prepared. This report will be shared with the Contractor and the Contracting Authority to notify them that corrections need to be made in order for the project to be accepted.

END OF SECTION 22 10 00



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ANNEX I

RELEVANT SITES

LAVAL COMPLEX – 2 different addresses

Federal Training Centre – site 600

600 Montée Saint-François, Laval, QC, H7C 1S5

Federal Training Centre – site 6099

6099 Lévesque boulevard, Laval, QC, H7C 1P1

SAINTE-ANNE-DES-PLAINES COMPLEX – 3 different addresses

Archambault Institution (Medium security)

242 Boul. Gibson, Sainte-Anne-des-Plaines, QC, J0N 1H0

Regional Reception Centre

246 Boul. Gibson, Sainte-Anne-des-Plaines QC, J0N 1H0

Archambault Institution (Minimum security)

244 Boul. Gibson, Sainte-Anne-des-Plaines, QC, J0N 1H0

COWANSVILLE INSTITUTION

400 Fordyce, Cowansville, QC, J2K 3N7

DONNACONA INSTITUTION – 2 different addresses

Donnacona Institution

1537 Route 138, Donnacona, QC, G3M 1C9

Marcel-Caron CCC

825 rue Kirouac, Québec, QC, G1N 2J7

DRUMMOND INSTITUTION

2025 Jean de Brébeuf boulevard, Drummondville, Qc, J2B 7Z6

PORT-CARTIER INSTITUTION

1 rue de l'aéroport, Port-Cartier, QC, G5B 2W2

JOLIETTE INSTITUTION – 2 different addresses

Joliette Institution

400 rue Marsolais, Joliette, QC, J6E 8V4

Laferrière CCC

202 rue St-George, Saint-Jérôme, QC, J7Z 4Z9

Lanaudiere Office

3 rue Papineau suite 107, Joliette, QC, J6E 2K3

**COMMUNITY CORRECTIONAL CENTERS (CCC) Montreal Metropolitan District –
4 different addresses**

Martineau CCC

10345 Saint-Laurent boulevard, Montréal, QC, H3L 2P1

Ogilvy CCC

435 Ogilvy boulevard, Montréal, QC, H3N 1M3

Hochelaga CCC

6905 rue Hochelaga, Montréal, QC, H1N 1Y9

Sherbrooke CCC

2190 Sherbrooke Est, Montréal, QC, H2K 1C7



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ANNEX II

Detailed assessment sheet

PRELIMINARY ASSESSMENT SHEET

REFRIGERATION MECHANIC JOURNEYMAN AND APPRENTICE SERVICES

SO NUMBER: _____

Company:	Limit for individual orders:
Contact:	Date of request:
Email:	Phone:
	Work to be finished by:

WORK SITE	PROJECT MANAGER
Site:	Name:
Building:	Phone No:
Address:	Email:

DESCRIPTION OF REQUEST

Project: _____

Required elements:	Background check	<input type="checkbox"/>	Visite for survey	<input type="checkbox"/>	Health and safety meeting	<input type="checkbox"/>
	Production of a work schedule	<input type="checkbox"/>	Material list	<input type="checkbox"/>	Production of work procedures	<input type="checkbox"/>
	Work in confined spaces	<input type="checkbox"/>	Number of employees	<input type="checkbox"/>	Other:	<input type="checkbox"/>

MANDATE SPECIFICATIONS

Material: _____

Inclusions: _____

Exclusions: _____

Special procedures:	Drilling/fixation required	<input type="checkbox"/>	Demolition	<input type="checkbox"/>	Supply of equipment	<input type="checkbox"/>
	Lock-out requires	<input type="checkbox"/>	Work at heights	<input type="checkbox"/>	Other:	<input type="checkbox"/>

ITEM	ITEM DESCRIPTION	QUANTITY	TYPE	RATE	SUB-TOTAL
A.1	Regular work hours Refrigeration mechanic journeyman		hr		- \$
A.2	Regular work hours Refrigeration mechanic apprentice		hr		- \$
A.3	Work done outside of regular work Refrigeration mechanic journeyman		hr		- \$
A.4	Work done outside of regular work Refrigeration mechanic apprentice		hr		- \$
A.5	Emergency work Refrigeration mechanic journeyman		hr		- \$
A.6	Leak test for units > 5,4 tons Refrigeration mechanic journeyman		hr		- \$
A.7	Regular work hours Tinsmith /Metal sheet Workers journeyman		hr		- \$
A.8	Work done outside of regular work Tinsmith /Metal sheet Workers journeyman		hr		- \$
A.9	Regular work hours Tinsmith /Metal sheet Workers apprentice		hr		- \$
A.10	Work done outside of regular work Tinsmith /Metal sheet Workers apprentice		hr		- \$
A.11	Regular work hours Ventilation System Balancing Tech		hr		- \$
A.12	Heures régulières de travail Air quality analysis technician		hr		- \$
A.13	Regular work hours Vibration analysis technician		hr		- \$
B.1	Preparation associated documents		hr		- \$
C.1	Materials		\$		- \$
C.2	Rental of special equipment and related services		\$		- \$
C.3	Waste disposal		\$		- \$
TOTAL BEFORE TAXES					- \$

Proposed dates	Start:	End:	Total:
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Note to the contractor: this preliminary assessment sheet must be completed to the best of your knowledge and in conformity with the various

SECTION RESERVED FOR CSC

SECTION RESERVED FOR CONTRACTOR

Technical Specifications sections as well as other related documents provided by CSC. The approximate amounts and totals will be adjusted in function of the reality and construction worker timesheets, as approved by the technical authority.

TECHNICAL AUTHORITY

Project:		Financial Code:	
_____	_____	_____	_____
NAME	SIGNATURE	DATE	

BUDGET MANAGER (ARTICLE 32)

_____	_____	_____	_____
DATE	TITLE	NAME	SIGNATURE

PRODUCTION OF THE CALL-UP

Released number:		Validity Period	from:	To:
_____	_____	_____	_____	_____
NAME	SIGNATURE		DATE	

Updated: 2018-10-22 COPIE: SCC Contractor

REFRIGERATION AND A/C MECHANIC SERVICES AND APPRENTICE -- TINSMITH / METAL SHEET WORKERS SERVICES AND APPRENTICE

SECTION RESERVED FOR CSC



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ANNEX III

Time sheet

TIME SHEET

NUMBER _____

Call-up number -YY-MM-DD _____

CSC REPRESENTATIVE / ESCORT	Company: _____	Call-up number: _____
	Service: _____	Name of technical authority: _____
	Site: _____	Telephone no. of technical authority: _____
	Building: _____	Contractor's work order number: _____
	Description of mandate: _____	
	License number : _____	Licensed type : _____

TIMESHEET APPROVAL BY CSC REPRESENTATIVE / ESCORT

CSC REPRESENTATIVE / ESCORT	Name: _____	Validation _____	Time : <input type="checkbox"/>	Cleaning : <input type="checkbox"/>
	_____		_____	
	SIGNATURE		DATE	

DESCRIPTION OF WORK / EMERGENCY CALL

SECTION RESERVED FOR CONTRACTOR	Work done: _____ _____
	Billable materials: _____ _____
	CSC materials used: _____
	Waste disposal: _____
	Special equipment and connected services: _____

DESCRIPTION	Employee 1	Employee 2	Employee 3
Name of the contractor's employee			
Skill level			
A Arrival on site			
B Start of work			
C Morning break			
D Lunch			
E Afternoon break			
F End of work			
G Departure from site			
H (A to G) Subtotal			
I (C to E) Break and lunch total			
J (H-I) Total billable hours			

ADDITIONAL INFORMATION APPLICABLE TO EMERGENCY CALLS

Nature of the call: _____	Room affected: _____		
Name of escort: _____	Permanent work <input type="checkbox"/>	Temporary work <input type="checkbox"/>	
Special procedures:	Drilling/anchoring <input type="checkbox"/>	Demolition <input type="checkbox"/>	Work at heights <input type="checkbox"/>
	Asbestos registry verification <input type="checkbox"/>	Lock-out <input type="checkbox"/>	Confined space <input type="checkbox"/>

CONTRACTOR SIGNATURE

SECTION RESERVED FOR CONTRACTOR	Name: _____

	SIGNATURE

TECHNICAL AUTHORITY'S APPROVAL

SECTION RESERVED FOR CONTRACTOR	Nom: _____

	SIGNATURE



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ANNEX IV

Dissatisfaction and deficiency report

DISSATISFACTION AND DEFICIENCY REPORT

NUMBER

Call-up Number YY-MM-DD

Service:	Company:
Standing offer number:	Contact:
Event date:	Phone No:
Institution:	Email:
Description of initial mandate: _____	
Building/room: _____	

GENERAL DESCRIPTION OF EVENT

ADMINISTRATIVE	The contractor was present on the site within a reasonable delay for a visit of the work site.	No	<input type="checkbox"/>
	Comments:		
	The contractor completed all required documents, as requested.	No	<input type="checkbox"/>
	Comments:		
	The contractor proposed a reasonable timeline for the start of the work.	No	<input type="checkbox"/>
	Comments:		
	The contractor supplied a work team, as requested.	No	<input type="checkbox"/>
WORK TEAM	Comments:		
	The emergency call was responded to within the delays outlined in the specifications.	No	<input type="checkbox"/>
	Comments:		
	All necessary information is found in the contractor's invoice.	No	<input type="checkbox"/>
	Comments:		
	The contractor informed his team of all specifications and particularities relating to the work.	No	<input type="checkbox"/>
	Comments:		
HEALTH AND SAFETY	The work team was aware of and respected the specifications of the standing offer specification.	No	<input type="checkbox"/>
	Comments:		
	The work team were present on site at the previously agreed upon time and place.	No	<input type="checkbox"/>
	Comments:		
	The work team was equipped with a service vehicle, tools and basic materials.	No	<input type="checkbox"/>
	Comments:		
	The work team had in their possession an inventory of their tools.	No	<input type="checkbox"/>
EXECUTION	Comments:		
	The work site was secured prior to work, and the work was performed safely.	No	<input type="checkbox"/>
	Comments:		
	The asbestos registry was consulted prior to any drilling or demolition work.	No	<input type="checkbox"/>
	Comments:		
	The work team wore appropriate protective equipment, as needed.	No	<input type="checkbox"/>
	Comments:		
OTHER	Toolboxes, scaffolding, ladders, vehicles and other such items were secured at all times on site.	No	<input type="checkbox"/>
	Comments:		
	The work team followed instructions and recommendations made by the CSC representative.	No	<input type="checkbox"/>
	Comments:		
	The work team had in their possession all tools and materials relating to the work at hand.	No	<input type="checkbox"/>
	Comments:		
	The work team possessed all skills, experience and knowledge required to perform the work.	No	<input type="checkbox"/>
OTHER	Comments:		
	The work was completed according to industry norms and within a reasonable time frame.	No	<input type="checkbox"/>
	Comments:		
	The work site was cleaned, organised and dusted.	No	<input type="checkbox"/>
	Comments:		
	Timesheets were adequately filled out and given to the Technical Authority within the required delay.	No	<input type="checkbox"/>
	Comments:		
The work team informed the Technical Authority when they left the site.	No	<input type="checkbox"/>	
Comments:			
Other:	No	<input type="checkbox"/>	
Comments:			

TECHNICAL AUTHORITY

Name: _____

_____	_____
-------	-------

SIGNATURE

DATE



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ANNEX V

ENV-01

SECTION I: GENERAL INFORMATION			
DESCRIPTION OF SYSTEM			
SYSTEM NAME:		LOCATION:	
MANUFACTURER:		REFRIGERATION CAPACITY: <input type="checkbox"/> BTU <input type="checkbox"/> KW <input type="checkbox"/> TONNES	
MODEL:		LOAD CAPACITY: <input type="checkbox"/> OZ <input type="checkbox"/> LBS <input type="checkbox"/> KG	
SERIAL NO.:		TYPE OF HALOCARBON:	
TYPE OF SYSTEM:		FACTORY PRECHARGE SYSTEM: <input type="checkbox"/> YES <input type="checkbox"/> NO (COMPLETE SECTION A)	
DATE OF MANUFACTURE:		INSTALLATION DATE:	
OWNER INFORMATION			
INSTITUTION:		ADDRESS:	
CONTACT:	TEL:	CITY:	
OPERATOR:		PROVINCE:	POSTAL CODE:
SECTION II: INFORMATION ON CORRECTIVE AND/OR PREVENTIVE MAINTENANCE			
▶ TYPE OF SERVICE (COMPLETE ALL FIELDS ASSOCIATED WITH THE TYPES OF SERVICE PERFORMED ON THE SYSTEM)			
A. LEAK TESTING METHOD USED: _____ LEAK DETECTED: <input type="checkbox"/> YES (COMPLETE SECTION B) <input type="checkbox"/> NO QTY RECOVERED: _____ <input type="checkbox"/> OZ <input type="checkbox"/> LBS <input type="checkbox"/> KG PREVIOUS TEST: _____/_____/_____ YYYY MM DD		B. RELEASE REPORT QTY RELEASED: _____ <input type="checkbox"/> OZ <input type="checkbox"/> LBS <input type="checkbox"/> KG QTY LOADED: _____ <input type="checkbox"/> OZ <input type="checkbox"/> LBS <input type="checkbox"/> KG REASON FOR RELEASE: _____ _____ CORRECTIVE/PREVENTIVE MEASURES: _____ _____	
C. MAINTENANCE SERVICE DETAILS: _____ _____ _____ PARTS CHANGED: _____ QTY LOADED: _____ <input type="checkbox"/> OZ <input type="checkbox"/> LBS <input type="checkbox"/> KG (COMPLETE SECTION A)		D. DISMANTLING/DECOMMISSIONING/DESTROYING* QTY RECOVERED: _____ <input type="checkbox"/> OZ <input type="checkbox"/> LBS <input type="checkbox"/> KG FINAL DESTINATION OF SYSTEM: _____ _____ _____ <small>*REGULATORY REQUIREMENT: AFFIX A COPY TO THE SYSTEM</small>	
▶ COMMENTS – SERVICE DETAILS			
▶ INFORMATION ON THE ACCREDITED PERSON			
FIRST AND LAST NAME OF TECHNICIAN (PRINT):			HALOCARBON CERTIFICATE NO.:
EMPLOYER (PRINT):			
▶ SIGNATURE OF THE ACCREDITED PERSON – DATE OF SERVICE			
SIGNATURE: _____			DATE: _____/_____/_____ YYYY MM DD



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ANNEX VI

Equipment listing

**Air-Conditioning and refrigeration Equipment List
 Laval Complex**

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
Carrier	11
Multisack	1
York	7
Refplus	4
Trane	3
Nb of units	26

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
302-B12-0000-UCS01	Carrier	8,3 Tons	38AKS012101	3099600066
302-B12-0000-UCS01	Carrier	6,8 Tons	38AKS008101	3299900003
302-A15-TOIT-CHI01	Multisack	30 Tons	MS030XN1C2A0ARC-R401A	AF-03-250
302-AW2-0000-CHI01	Carrier	20 Tons	09DPS02014A00100	0612Q44273
312-F32-Toit-UCT01	Carrier	20 Tons	50PGAM24-G-10-BB	1409G20043
312-F32-Toit-UCT02	Carrier	20 Tons	50PGAM24-A-10-BB	1409G20042
312-F32-Toit-UCT03	York	10 tons	D3CE120A58JSB	NAGM009004
312-F32-Toit-UCT04	Carrier	15 Tons	50PG-M16-F-10-BB	1409G50032
312-F32-Toit-UCT05	Carrier	12.5 Tons	50PG-M14-D-10-BB	1609G50008
312-F32-Toit-UCT06	York	10 Tons	D3CE120A58JSB	NAGM009005
312-01-TOIT-CON01	Refplus	7,5 Tons	CMD09-2	D2005030309
312-14-0000-UCS01	Trane	7,5 Tons	TTA090AW00BA	K02198013
312-C21-TOIT-UCS01	Carrier	16 Tons	50BA016110-1	76240
312-C19-TOIT-UCT01	Carrier	10 Tons	50TM-012-A-111HQ	0608G11632
312-B17-0000-UCS01	York	7,5 Tons	H5CE090A58A	NBLM012385
312-15-TOIT-UCT01	Trane	20 Tons	SLHLF205BK99E3DD900-1ABWE0000A00RT0M8600	C13C01247
320-01-TOIT-UCL01	Carrier	50 Tons	30GT-050---610KA	1899f17076
320-56-0000-UCL01	York	8 Tons	D2HH096A58A	EGGM187539
320-78-0000-UCL01	York	8 Tons	D2HH096A58A	EGGM187538
320-14-0000-CON01	York	7 Tons	H4CE090A58C	NNHM183044
320-29-0000-CON01	Trane	30 Tons	TTA180FW0RAA	13443X2ATA
320-01-Toit-CHI01	Refplus	15 Tons	OVZ-402-1H7-8T	D2012010109
320-01A-TOIT-CHI01	Carrier	30 Tons	30GT-030---110	0995f36392
320-01A-TOIT-CHI01	Refplus	15 Tons	OVZ-402-1H7-8T	D2012010111
320-01A-TOIT-CHI02	Refplus	15 Tons	OVZ-402-1H7-8T	D2012010110
320-01-Toit-UCS01	York	7,5 Tons	YC090C00A5AAA2A	NIM14378686

**Air-Conditioning and refrigeration Equipment List
 325 Joliette**

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
Carrier	6
Daikin	2
Nb of units	8

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
325-E-TOIT-UCS01	CARRIER	10 Tons	48GJE012-M-101	0896G30211
325-C-TOIT-UCS01	CARRIER	15 Tons	48TJE016	0896F92780
325-C-TOIT-UCS01	CARRIER	15 Tons	48TJD016	0596F89048
325-C-TOIT-UCS01	CARRIER	10 Tons	48GJE-012-M-101	0896G30212
325-D-TOIT-UCL01	CARRIER	6 Tons	50TC-A07H3A1A0B0A0	1712C87550
325-C-TOIT-UCL01	CARRIER	14,5 tons	50TC-D16HCA1A0B0A0	1812G40354
325-F-TOIT-UCL01	DAIKIN	7.5 Tons	DPS007AHMG5DV	FBOU131100437
325-F-TOIT-UCL01	DAIKIN	12 Tons	DPS012AHCY5DV	FBOU131100340

**Air-Conditioning and refrigeration Equipment List
 350 Cowansville Institution**

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
AAON	1
Carrier	2
FHP Aquarius	2
RafPlus	1
YORK	3
Nb of units	9

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
350-01--UCL01	CARRIER	12,5 Tons	38ARD014-101AA	0805F07379
350-03--UCL01	YORK	15 Tons	H1CE240A58B	NLCM089990
350-18--UCL01	CARRIER	15.9 Tons	30RAN018A-111GA	1808Q04640
350-30--UCL01	FHP Aquarius	9,6 tons	WW122-5CSN	3540-209-000001-T111M52220
350-33-TOIT-UCL01	YORK	20 tons	ZJ240C00Q5CZZ20001A	N1N3304582
350-13-TOIT-UCL01	REFPLUS	8.94 Tons	OVZ-082-1H1-8	D2013110087
350-02--UCL01	YORK	10 Tons	ZH120C00P5AAA5A	N1B2562771
350-01--UCL01	AAON	15 Tons	RN-015-4-0-FBD9-000	201510-ANCL10298
350-31--UCL01	FHP Aquarius	9,6 tons	WW122-5CSN	3540-209-000002-T111M52220

**Air-Conditioning and refrigeration Equipment List
 345 Drummond Institution**

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
Trane	1
Daikin	1
Nb of units	2

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
345-10-10-000-UCC01	Trane	60 Tons	CCAD0605CJ00AD1R0F0BUHG	U00K044197
345-1S-TOIT-UCC01	Daikin	110 Tons	AGZ110DBSNN-ER10	STNU14100018

Air-Conditioning and refrigeration Equipment List
321 Donnacona Institution

Refrigeration equipment	
More than 5.4 tons	
Manufacturer	Approx. Total Quantity
Trane	3
McQuay	2
Nb of units	5

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
321-B-140.1-UCL01	Trane	100 Tons	RTUA1005XE01T3DOVFN	V01B8316
321-B-140.1-UCL01	Trane	160 Tons	RTWD 160G	U14K00312
321-i-TOIT-UCL01	McQuay	15 Tons	RCS11F125Y	7852F151202846
321-i-TOIT-UCL01	McQuay	15 Tons	RCS15F180Y	792F161202827
321-BSF-TOIT-UCL01	Trane	20 Tons	RAU5-20	C-15K06840

**Air-Conditioning and refrigeration Equipment List
 341 Archambault Medium**

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
York	4
Trane	1
EngA	1
Nb of units	6

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
341-T-TOIT-UCL01	York	10 tons	ZH120C00V5AAA6	N1H4040716
341-T-TOIT-UCL01	York	15 Tons	ZF180C00D5D1AAA1A1	N1F6718908
341-T-TOIT-UCL01	York	10 tons	ZH150C00V5AAA6	N1H4040715
341-T-TOIT-UCL01	Trane	7,5 tons	TCD090D30CBC	M51103393D
341-T-TOIT-UCL01	York	8,5 tons	2N102CC0V5AAA2	NIR5970117
341-A-TOIT-UCL01	EngA	18 tons	FWA-224-K	18510

**Air-Conditioning and refrigeration Equipment List
 342 Archambault Minimum**

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
Carrier	2
York	1
Lennox	1
Nb of units	4

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
342-A09-TOIT-UCL01	Carrier	10 Tons	50TJ-012-111QE	1897G30720
342-A26-TOIT-UCL01	York	10 Tons	HA120C00A5AAA1A	NOF7900488
342-01-TOIT-UCL01	Lennox	10 Tons	TSH120S4DN1J	5612B090098
342-05-TOIT-UCL01	Carrier	7,5 Tons	50TC-D08A2A1-OAOAO	

Air-Conditioning and refrigeration Equipment List
343 CRR / USD

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
York	3
Carrier	3
Mc Quay	1
Nb of units	7

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
343-B-TOIT-CSE02	York	7,5 Tons	H3CE090A58A	NFAM135314
343-C-TOIT-EVA09	Carrier	20 tons	38AD-024-120	W888335
343-C-TOIT-EVA10	Carrier	20 tons	38AD-024-120	Z883230
343-C-TOIT-EVA14	Carrier	20 tons	38AKS014-101	0509G10054
343-J-TOIT-UVA01	York	10 Tons	ZH120C00D5B1BAA1A1	NIL6058126
343-J-011-UVA01	York	8,5 tons	D3CE102A58JSC	NHDM069926
343-USD-005-EVA06	Mc Quay	60-75 tons	AGZ070CHHNN-ER10	STNU080700009

**Air-Conditioning and refrigeration Equipment List
 368 Port-Cartier**

Refrigeration equipment	
More than 5,4 tons	
Manufacturer	Approx. Total Quantity
Trane	2
Nb of units	2

Equipments of **more than 5.4 tons** that might be subject to a leak detection test before the spring start-up or the fall shutdown.

Location	Manufacturer	Capacity	Model	Serial Number
368-B-133.1-UCL01	Trane	50 Tons	CCACC502RDNFR33BDGPT	L86M00431
368-B-133.1-UCL01	Trane	50 Tons	CCACC502RDNFR33BDGPT	L8600411