

## Part 3 - Drawings and Specifications - Section 1- Summary of the Scope of Work

RFT No. Doc4630461632

### SUMMARY OF THE SCOPE OF WORK

#### 1. General

- 1.1. The project entails preparation of a space on the 3rd floor of Metro Hall, complete with mechanical and electrical infrastructure, to accommodate equipment supporting the City's Operations. Currently, this equipment is housed in a room on Level P1 (basement of Metro Hall), and the supporting services do not meet the reliability requirements for a critical system. The new space will provide a clean, modern, and properly serviced environment for the City's operation.
- 1.2. Technical detailed information is described in Part 3 – Drawings and Specifications. The project work will occur in two main areas of the building: on Level P1 and on the 3rd floor. The following outlines the works to be performed in the two areas.

#### 2. Metro Hall - Level P1

- 2.1. Work is required in the Main Electrical Room, the Sprinkler Pump Room, and along some of the corridors. The work in this area is primarily electrical.
  - 2.1.1. Main Electrical Room: Supply and installation of a new emergency power switchboard (SWBD-P1XAA) to receive supplies from a mobile generator and future stationary generator, and to distribute power to various local and remote loads.
  - 2.1.2. Sprinkler Pump Room: Removal of the existing 800A switch, splitter and two 400A disconnect switches and their replacement with a new 400A power panel (DP-P1XAA) c/w breakers for the existing loads.
  - 2.1.3. Corridors: Installation of new feeders between the new switchboard and power panel, and from the switchboard to the new 3rd floor Security Server Room.
- 2.2. Between Level P1 (Main Electrical Room and existing Security Server Room) and the 3rd floor New Server Room the power and communications conduits will run

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through a vertical service shaft and in the cavities of open and drywall-finished ceilings.

### 3. Metro Hall - 3rd Floor

- 3.1. The preparation of the space on the 3rd floor requires both removals/demolition and new work by the General/Architectural, Mechanical, Electrical, and Security trades.
- 3.2. The space is currently unoccupied and contains loose items (furniture and various devices) that must be removed/disposed of, as well as fixed items that require mechanical and electrical disconnection and removal. These include pipes, ducts, fixtures, electrical circuits, unused communications cables, air handling appliances, ceiling grid, floor tiles and grid, and other miscellaneous items shown on the drawings.
- 3.3. It is the intent of the project to clean up this space and fit it out architecturally, mechanically, and electrically with the features required to accommodate and support the new Security equipment. The supply and installation of this equipment, and its connection to the old Security hub on Level P1 are not part of this contract.
- 3.4. The new work in the 3rd floor space generally includes the following:
  - a. **Architectural**
    - a.1. Removal of existing door into the room and closing off the remaining opening
    - a.2. New double door into the room
    - a.3. Relocation of existing double door into the adjacent space, to create an independent entry to the new Server Room
    - a.4. Epoxy coating of the floor
    - a.5. New concrete housekeeping pads for the equipment

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- a.6. Painting of walls and ceiling
- a.7. Other finishes, including firestopping at service penetrations.
- b. Mechanical (Cooling and Fire Protection)**
  - b.1. Precision cooling units (3), complete with air-cooled condensers and refrigerant piping
  - b.2. Temperature and leak sensors, complete with wiring
  - b.3. Environmental monitoring for mechanical and electrical parameters of the critical equipment – hardware, wiring, configuration/programming
  - b.4. Pre-action cabinet, sprinkler piping, heads, and initiation and notification devices; connection to the main sprinkler riser
- c. Electrical**
  - c.1. Power feeders from Level P1 to 3rd floor, and empty pathways for Security/Comm cables (cables by others, future)
  - c.2. 600 V and 120/208 V distribution equipment within the new Server Room: panels, dry-type transformer, automatic transfer switch, complete with input and output feeders and branch circuits to mechanical equipment and equipment cabinets; grounding
  - c.3. Uninterruptible power supplies (2 modules), complete with batteries and input/output feeders
  - c.4. Lighting and its control; wiring devices complete with branch circuits
  - c.5. Raceway (conduit and boxes) for Security wiring
- d. Security**
  - d.1. Basket tray c/w all fittings and accessories within the new Server Room
  - d.2. Security devices and wiring for the relocated and new doors
  - d.3. Server cabinets c/w accessories, as specified.

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3.5. The Contractor is expected to employ tradespeople with adequate qualifications (education, training, experience, and accreditation, where required) for the specific work to be performed. Continuous reporting and coordination with the Owner's representative (Project Manager and/or Consultant) will be required during the project execution, in accordance with the terms of the Contract and per Owner's specific requirements for the building. Specific working hours and access requirements may be imposed on the Contractor's personnel for the various work areas.

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### **GENERAL SPECIFICATIONS**

#### **GS-1. Cutting, Remedial Work and Blasting**

- 1.1. The Contractor shall perform the coring, cutting and remedial Work required to make the affected parts of the Work come together properly.
- 1.2. The Contractor shall co-ordinate the Work to ensure that the coring, cutting, and remedial Work is kept to a minimum.
- 1.3. Should the Owner, the Contract Administrator, other contractors, or anyone employed by them be responsible for ill-timed Work necessitating cutting or remedial Work to be performed, the cost of such cutting or remedial Work shall be valued as provided in GC 7.1 - OWNER'S RIGHT TO MAKE CHANGES, GC 7.2 - CHANGE ORDER and GC 7.3 - CHANGE DIRECTIVE.
- 1.4. Coring, cutting, x-rays, scanning, and remedial Work shall be performed by specialists familiar with the Products and Owner Supplied Material affected and shall be performed in a manner to neither damage nor endanger the Work and in accordance with the Specifications and other Agreement documents.
- 1.5. The Contractor shall not carry out any blasting operation except with the prior written consent of the Contract Administrator, provided that any consent so granted shall not, under any circumstances, relieve the Contractor of the liabilities and obligations assumed by the Contractor under the Agreement.

#### **GS-2. Cleanup**

- 2.1. The Contractor shall maintain the Work and the Site in a safe and tidy condition and free from the accumulation of waste products and debris, other than that caused by the Owner, other contractors, or their employees.

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- 2.2. Before applying for Substantial Performance of the Work as provided in GC 5.5 - SUBSTANTIAL PERFORMANCE OF THE WORK, the Contractor shall remove waste products and debris, other than that resulting from the work of the Owner, other contractors, or their employees, and shall leave the Site clean and suitable for use or occupancy by the Owner. The Contractor shall remove products, Construction Equipment, and Temporary Work not required for the performance of the remaining Work all to the satisfaction of the Contract Administrator and the Owner, acting reasonably.
- 2.3. Prior to the final Application for the Payment, the Contractor shall remove any remaining products, Construction Equipment, Temporary Work, and waste products and debris, other than those resulting from the work of the Owner, other contractors, or their employees.
- 2.4. Contractor shall complete all maintenance and cleanup of the Work and Site within 24 hours of written notice from the Owner or Contractor Administrator of such. If such maintenance and cleanup is not completed within 24 hours of such written notice, the Owner shall be entitled to, or to engage others to, perform such maintenance and cleanup, at the Contractor's expense and set-off the costs thereof in accordance with GC 5.10 – OWNER'S SET-OFF.
- 2.5. Contractor shall repair all damage to the Site caused by the Contractor's, Subcontractor's, or Supplier's transportation in and out of the Site within five (5) Working Days of written notice from the Owner or Contractor Administrator to repair or before final payment, whichever is earlier. If such repair is not completed within the required time period, the Owner shall be entitled to, or to engage others to, perform such repair, at the Contractor's expense and set-off the costs thereof in accordance with GC 5.10 – OWNER'S SET-OFF.

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**GS-3. NOT APPLICABLE**

**GS-4. Site and Drainage**

- 4.1. The Contractor's sheds, site offices, toilets, other temporary structures and storage areas for material and equipment shall be grouped in a compact manner and maintained in a neat and orderly condition at all times.
- 4.2. The Contractor shall keep all portions of the Work well, properly, and efficiently drained, to at least the same degree as that of the existing drainage conditions, during construction and until the Work is completed. The Contractor shall be solely responsible for all Losses caused by, or resulting from, water backing up or flowing over, under, through, from, on, or along any part of the Work or which any of the Work may cause to flow elsewhere and shall, at the Contractor's sole cost, repair such damage and without any extension of the Contract Time.

**GS-5. NOT APPLICABLE**

**GS-6. NOT APPLICABLE**

**GS-7. Project Controls and Reporting Requirements**

- 7.1. The Contractor shall perform the following obligations and comply with the following requirements:
  - 7.1.1. Maintain and update the Construction Schedule, Request for Information, Change Notices and as-built drawings on bi-weekly basis. Distribute to all stakeholders prior to construction meetings as requested.

Such obligations and requirements shall apply to all Work, unless otherwise specified in the Agreement. The Owner may at any time and from time to time waive the requirement to include any particular item in any report in connection with the Work or may reduce the frequency of any report but in

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such event shall have the right to reinstate any item and increase the frequency of reporting to the times provided in the Agreement.

- 7.2. For clarity, nothing in this section 7 shall relieve the Contractor from its obligation to execute the Work to completion in accordance with the Construction Schedule or other requirements of the Agreement.

**GS-8. NOT APPLICABLE**

**GS-9. NOT APPLICABLE**

**GS-10. NOT APPLICABLE**

**GS-11. Working Drawings**

- 11.1. Working Drawings or Working Plans means any Drawings or Plans prepared by the Contractor for the execution of the Work and may, without limiting the generality thereof, include formwork, falsework and shoring plans, roadway (that part of the Highway designed or intended for use by vehicular traffic and includes the Shoulders.) protection plans, Shop Drawings, shop plans or erection diagrams.
- 11.2. The Contractor shall arrange for the preparation of clearly identified and dated Working Drawings as called for by the Contract Documents.
- 11.3. The Contractor shall submit Working Drawings to the Contract Administrator in accordance with an agreed upon schedule or otherwise with reasonable promptness and in orderly sequence so as to not cause delay in the Work. If either the Contractor or the Contract Administrator so requests they shall jointly prepare a schedule fixing the dates for submission and return of Working Drawings. Working Drawings shall be submitted in printed form. At the time of submission the Contractor shall notify the Contract Administrator in writing of any deviations from the Contract Documents that exist in the Working Drawings.



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- 11.4. The Contract Administrator shall review and return Working Drawings in accordance with an agreed upon schedule, or otherwise, with reasonable promptness so as not to cause delay.
- 11.5. The Contract Administrator's review shall check for conformity with the design concept and for general arrangement only and such review shall not relieve the Contractor of responsibility for errors or omissions in the Working Drawings or of responsibility for meeting all requirements of the Contract Documents unless a deviation on the Working Drawings has been approved in writing by the Contract Administrator.
- 11.6. The Contractor shall make any changes in Working Drawings that the Contract Administrator may require to make the Working Drawings consistent with the Contract Documents and resubmit unless otherwise directed by the Contract Administrator. When resubmitting, the Contractor shall notify the Contract Administrator in writing of any revisions other than those requested by the Contract Administrator.
- 11.7. Work related to the Working Drawings shall not proceed until the Working Drawings have been signed and dated by the Contract Administrator and marked with the words "*Reviewed. Permission to construct granted*".
- 11.8. The Contractor shall keep one set of the reviewed Working Drawings, marked as above, at the Site at all times.

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### TECHNICAL SPECIFICATIONS

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- 09 91 23 Interior Painting

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- 23 81 23 Computer Room AC Units
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- 28 00 03 General Specifications and Requirements for Electronic Security System

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### **DIVISIONAL SPECIFICATIONS**

#### **DS-1. Occupational Health and Safety Act**

- 1.1. The Contractor shall take all steps necessary to prevent the spread of lead-containing dust/particles and any other designated substance(s) or hazardous material(s) from the Work site when performing Work involving, but not limited to, lead-containing paint, and to protect the Contractor, those engaged by the Contractor in performance of the Work, City employees and all others, including the general public, likely to be at or near the Work site.

#### **DS-2. NOT APPLICABLE**

#### **DS-3. NOT APPLICABLE**

#### **DS-4. NOT APPLICABLE**

#### **DS-5. Asbestos**

- 5.1. Where the Work includes removal of asbestos, the Contractor shall:
  - 5.1.1. ensure, through appropriate air testing and such other measures as may be appropriate and necessary, that the Work site and adjacent areas not been contaminated with asbestos during the performance of the Work; and
  - 5.1.2. prior to dismantling any barriers erected to contain asbestos and asbestos-containing materials, the Contractor shall provide written confirmation to the Consultant that, after conducting proper air testing and other due diligence measures, the area is safe in accordance with the requirements of the OHSA.
- 5.2. If, during the course of the Work, the Contractor or any of the subcontractors or suppliers engaged by the Contractor, disturb material that is believed to be asbestos containing material, separate and apart from asbestos abatement work forming part of the Contract, the Contractor shall act in strict compliance with the OHSA, including but not limited to the Asbestos Regulation, and without limiting the generality of the foregoing, shall:

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- 5.2.1. Stop work and evacuate the area where the asbestos containing material is believed to have been disturbed and take all precautions or actions mandated by the OHSAA and notify the City immediately;
- 5.2.2. Notify the Contract Administrator via telephone, with written notification to follow as soon as possible; and
- 5.2.3. Refrain from entering the work area for any reason whatsoever until safe to do so, in accordance with the requirements of the OHSAA and, prior to re-entry, notify the Contract Administrator for approval to recommence Work.

#### **DS-6. NOT APPLICABLE**

#### **DS-7. Commencement and Completion Dates**

- 7.1. A continuous and progressive operation shall be carried out until the work is completed.

#### **DS-8. Workforce Development Plan**

- 8.1. Where required in the Agreement Documents, the Contractor shall implement and document the Workforce Development Plan described in "Schedule F – Owner Policies, Procedures, by-Laws and Other Requirements" to the satisfaction of the City (in its sole discretion).

#### **DS-9. Coordination and Meetings**

- 9.1. The Contractor shall attend regular meetings with the City of Toronto and others, including but not limited to, Toronto Transit Commission, Bell Canada, Enbridge, Toronto Hydro, and business organizations as may be required by the Contract Administrator to co-ordinate services affected by the Contract and to monitor on-going administration and progress of the contract.

#### **DS-10. Standard Specifications and Standard Drawings**

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- 10.1. The City's Standard Specifications and Standard Drawings that apply to the Work shall be those that can be found on-line at [www.toronto.ca/ecs-standards](http://www.toronto.ca/ecs-standards) as of the date the tender for the Work is issued.
- 10.2. Any other required work, for which no specifications are contained herein, shall conform to the City of Toronto Standard Construction Specifications and Drawings for Road Works, the City of Toronto Standard Construction Specifications and Drawings for Sewers and Watermains, the Ontario Provincial Standard Specifications and the Ontario Provincial Standard Drawings.
- 10.3. This Agreement may also refer to Ontario Provincial Standards (OPS) specifications and drawings. In such case, Bidders shall acquire the applicable specifications and drawings from OPS. Information about OPS can be found at [www.ops.on.ca](http://www.ops.on.ca).

#### **DS-11. Payroll Burden Rate for Work on a Time and Material Basis**

- 11.1. Standard Rate (40%)
  - 11.1.1. The Owner will pay the Contractor's Payroll Burden at a standard 40 per cent of the wages and salary portion of the Cost of Labour for change in the work in the Contract that is carried out on a Time and Material basis.
- 11.2. Option for Contractor's Actual Payroll Burden Rate
  - 11.2.1. Alternatively, the Owner will consider paying at the Contractor's actual payroll burden rate. To be considered for this option, the Contractor MUST submit their actual payroll burden rate on the Owner's prescribed Contractor's Payroll Burden Form ("Form") prior to the commencement of any work on a Time and Material basis, preferably at the pre-construction meeting.
  - 11.2.2. The Form is available from the Contract Administrator upon request and it shall be completed, certified and signed by the Contractor's external auditor. The Payroll Burden rate shall be calculated from the total expenditures of wages, salaries and benefits for all of the Contractor's



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employees paid during the previous 12 month calendar year (i.e. January 1<sup>st</sup> to December 31<sup>st</sup>). All permitted expenses in relation to labour costs are included on the prescribed Form.

- 11.2.3. If accepted, the submitted Form shall be effective until January 31<sup>st</sup> of the following year and the payroll burden rate will apply to all Time and Material works carried out within the effective period of the Form. If the Contractor fails to submit a signed Form before the commencement of any work on a Time and Material basis, or if the submitted Form is not acceptable to the Owner, the Owner will apply the 40 per cent standard payroll burden rate for all works that are carried out on a Time and Material basis under this Contract until a Form is submitted by the Contractor and accepted by the Owner.
- 11.2.4. During the Contract period, the Contractor must submit an updated Form by January 31<sup>st</sup> of a new calendar year. If accepted, the updated Form shall be effective until January 31<sup>st</sup> of the following year. If the Contractor failed to submit an updated Form or the submitted Form is not acceptable, the Owner will apply the standard 40 per cent payroll burden rate to all Time and Material works carried out under this Contract until an updated Form is submitted by the Contractor and accepted by the Owner.
- 11.2.5. The Owner reserves the right to terminate the application of the Contractor's actual payroll burden rate and apply the standard 40 per cent payroll burden rate if the Form is found to be not accurately completed after its acceptance.
- 11.2.6. Contractor's labour rates used in the work based on a Time and Material basis are subject to verification by the City's Fair Wage Office.
- 11.2.7. All information in relation to Contractor's Payroll Burden may be audited at the Owner's discretion. The Contractor agrees to keep complete and accurate books, payrolls, accounts and employment records and make the records available for audit by the Owner upon request. The Owner

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reserves the right to recover any overpayment to the Contractor affected by the audit.

**DS-12. Organization of Work and Work Restrictions**

- 12.1. It is the Contractor's responsibility to implement all required measures (e.g., fences, enclosures, etc.) in order to strictly control the pedestrian traffic in the construction area and to prevent any pedestrian approaching into the areas of construction hazard, or any other dangerous area.
- 12.2. The Contractor shall be attentive to the needs of pedestrians that are visually or physically impaired, and the Contractor must be prepared at all times to assist in the safe and comfortable passage of these pedestrians.
- 12.3. The Contractor shall note that a number of existing utilities and services are located below the area of reconstruction and others in the near vicinity. The Contractor shall examine the site to identify potential problems associated with the accessibility, transportability and constructability of their proposed methods.
- 12.4. The Contractor shall, from time to time, adopt such approved construction or operating methods in carrying out the work as may be called for due to changing conditions that may be encountered during the progress thereof.

**DS-13. NOT APPLICABLE**

**DS-14. NOT APPLICABLE**

**DS-15. NOT APPLICABLE**

**DS-16. NOT APPLICABLE**

**DS-17. Security and Construction Sign(s)**

- 17.1. The Contractor shall be responsible for the security of the work of this Contract from the time the job site is turned over to him until all work has been completed.
- 17.2. The Contractor shall take all necessary precautions to ensure that the construction site does not pose a hazard to the public for the duration of the project. Appropriate safety and warning signs must be posted. All such site

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security measures shall be removed from the site at the completion of the project.

- 17.3. The Contractor shall supply Project Information Sign(s) that shall be posted in a prominent area. The sign, conforming to the current sign protocol and which will list a contract number, will be provided by the City at no cost to the Contractor for installation by the Contractor.
- 17.4. Project information for the sign(s), if not specified in this Request for Tender, shall be provided by the Contract Administrator. The number of signs required is specified in the Pricing Form.
- 17.5. The costs for providing, installing, removing and disposing the signs shall be included in the Bidder's Pricing Form submission. No additional separate payment will be made for such work and provisions.

#### **DS-18. Material and Truck Weighing**

- 18.1. The City reserves the right to randomly verify the quantity of materials supplied in connection with this Contract. Prior to unloading of materials that are priced on a unit weight basis ("unit weight materials"), the weight tickets must be provided to the Contract Administrator (or in their absence, the City's inspector). Material weight tickets that are not provided to the Contract Administrator or the City's inspector prior to unloading will not be accepted later for payment.
- 18.2. When directed by the Contract Administrator or the City's inspector, trucks carrying unit weight materials shall proceed immediately to a City's weighing facility as specified by the Contractor Administrator or the inspector. After passing through the City's weight scale and unloading the materials, the empty truck shall return to the same facility to verify the vehicle tare if so directed by the Contract Administrator or the City's inspector.
- 18.3. Should the weight verification show that the verified weight of the material is less than what is shown on the Contractor's weight ticket by more than 1.0 per cent, the payment for the affected load shall be made based on the weight measured by the City's weighing facility.

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18.4. City staff will also adjust the method of measurement for all following loads that are not weight-verified but have been delivered to the site before a new weight verification process can prove the Contractor had rectified the weight inconsistency. The weight of the following loads will be adjusted based on an adjustment factor determined from the most recently weight-verified load

18.5. The City will not compensate the Contractor for any cost associated with the weight verification process.

**DS-19. Noise Regulations**

19.1. The Contractor shall ensure the following:

19.2. Equipment shall be maintained in an operating condition that prevents unnecessary noise, including but not limited to proper muffler systems, properly secured components and the lubrication of all moving parts;

19.3. Idling of equipment shall be restricted to the minimum necessary for the proper performance of the specified work.

19.4. Where necessary, place noise attenuation devices (barriers) around Contractor's construction equipment.

**DS-20. NOT APPLICABLE**

**DS-21. NOT APPLICABLE**

**DS-22. Equivalentents and Alternatives**

22.1. Definitions.

In this section:

22.1.1. "First-Named Supplier" and "First-Named Product" mean, respectively, a Supplier and Product upon which the quality and design of the Work has been based, as specified in the Contract Documents.

22.1.2. "Equivalent" means a Supplier or Product that is listed after the First-Named Supplier or equipment or material or product in the Contract Documents.

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22.1.3. "Alternative" means a Supplier or Product proposed by the Contractor, or an alternate method of undertaking the Work proposed by the Contractor, that is not listed or specified in the Contract Documents.

### **22.2. First Named Supplier or Product**

22.2.1. The Contractor shall only use First-Named Suppliers and First-Named Products, or Equivalent, unless an Alternative is approved by the City.

### **22.3. Use of Equivalent**

22.3.1. The Contractor may use an Equivalent named in the Contract Documents and shall include the supply and installation of such Equivalent and all Product and labour necessary to complete the Work at no additional cost to the City, whether or not the use of such Equivalent affects the design or manner of completion of the Work.

### **22.4. Use of Alternative**

22.4.1. The Contractor may propose the use of an Alternative to the City for consideration following the issuance of an Order to Commence Work. The submission of a proposal for an Alternative may include alternate Subcontractor(s), through whom the Alternative is being offered, other than those named under the Subcontractor listing in the Tender Submission Package.

22.4.2. All Alternative proposals must be supported by sufficient technical documentation to permit a proper analysis and evaluation of the proposed Alternative by the City. In order to be considered, any Alternative proposal must provide price savings, quality improvement(s), operational savings, schedule benefit(s), or a combination thereof. The Alternative proposal must include a detailed point by point comparison listing differences between the proposed Alternative and the First-Named Supplier or First-Named Product.

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22.4.3. Supporting documentation in the proposal must be clear, specific and sufficiently detailed to ensure that there is no ambiguity about what is being proposed, including any effect the proposal may have on the completed Work. Proposed Alternatives which, in the opinion of the City, are not accompanied by adequate supporting documentation, or are submitted with insufficient time for a proper review, will not be considered.

22.4.4. The cost of a review by the Consultant of a proposed Alternative will be entirely at the cost of the Contractor and will be credited to the City against the Contract Price.

22.5. The City shall have the right, in its sole and absolute discretion, to accept or reject any proposed Alternative, including any proposed Subcontractor.

**DS-23. NOT APPLICABLE**

**DS-24. NOT APPLICABLE**

**DS-25. Interference**

25.1. The Contractor shall arrange all Work activities so as to permit the maintenance of normal building operation and traffic flow at the Work site, with a minimum of inconvenience to the users and staff of the facility or park where the Work is being carried out.

25.2. The Contractor shall ensure that no essential services such as electric power and domestic hot water supply are interrupted at the Work site for more than one (1) continuous Hour, and no longer than three (3) consecutive Hours for the heating system during the heating season except with the prior written permission of the Owner.

25.3. The Contractor shall in every case where an interruption of service is to occur, make prior arrangements with the Owner.

**DS-26. Project Close Out System Demonstrations**

26.1. The Contractor shall with respect to all installations resulting from the Work demonstrate the operation of all equipment and systems to the Owner's staff

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and any consultants of the Owner, and instruct such staff in the operation, adjustment and maintenance of such systems and equipment.

**DS-27. Fire Protection**

27.1. The Contractor shall:

- 27.1.1. prior to commencing work, locate all sprinkler systems and protective or alarm systems;
- 27.1.2. provide and maintain fire extinguishers as required on the site for the protection of the building;
- 27.1.3. provide personnel performing work with open flame, volatile materials or other hazardous work with all fire protection equipment necessary for the safe operation of this equipment and the performance of the work;
- 27.1.4. all fire protection measures shall obtain required approvals and comply with all applicable laws.

**DS-28. NOT APPLICABLE**

**DS-29. NOT APPLICABLE**

**DS-30. NOT APPLICABLE**

**DS-31. NOT APPLICABLE**

**DS-32. NOT APPLICABLE**

**DS-33. NOT APPLICABLE**

**DS-34. NOT APPLICABLE**

**DS-35. NOT APPLICABLE**

**DS-36. NOT APPLICABLE**

**DS-37. NOT APPLICABLE**

**DS-38. NOT APPLICABLE**

**Part 3 - Drawings and Specifications - List of Appendices**

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**APPENDICES**

Part 3 Appendix A - IFT Drawings

Part 3 Appendix B - IFT Specifications