Specification for:

LINK – LEVEL 1 EAST
RENOVATIONS TO
NUCLEAR MEDICINE

Prepared by:

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CBCL Consulting Engineers

January 2015

DRKR: 1429
# IWK Health Centre
Link – Level 1 East
Renovations to
Nuclear Medicine

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INSTRUCTIONS TO BIDDERS

1.1 INVITATION
1. Bid Call
   1. The IWK Health Centre, Finance Dept., 5th Floor Charter House, 1465 Brenton Street, Halifax, Nova Scotia will receive offers signed under seal, executed, and dated before the date and time specified in the Request for Construction

   2. Offers submitted after the above time shall be returned to the bidder unopened.

1.2 INTENT
   .1 The intent of this bid call is to obtain an offer to perform work to complete renovations in the Nuclear Medicine Suite located on Level 1 at 5850/5980 University Avenue Halifax, Nova Scotia for a Stipulated Price contract, in accordance with the Contract Documents.

   2. Substantial Performance of the project to be achieved on or before June 30, 2015, providing contract is awarded within 7 calendar days of close of bid closing time.

1.3 CONTRACT/BID DOCUMENTS:
1. Definitions
   1. Defined in General Conditions of Contract, Article GC1, Definitions.

2. Availability
   1. Bid Documents are made available only for the purpose of obtaining offers for this project. Their use does not confer a license or grant for other purposes.

3. Examination
   1. Upon receipt of Bid Documents verify that documents are complete; notify Consultant or the contact indicated in Queries/Addenda should the documents be incomplete.
   2. Immediately notify the Consultant or contact indicated in Queries/Addenda upon finding discrepancies or omissions in the Bid Documents.
   3. While IWK has made efforts to ensure an accurate representation of information in this Tender, the information contained in the Tender, including Tender is supplied solely as a guideline for Bidders. The information is not guaranteed or warranted to be accurate by the IWK, nor is it necessarily comprehensive or exhaustive.
   4. Each Bidder is solely responsible for conducting its own thorough and completed review of this Tender and ensuring that it has a full and complete understanding thereof.
   5. The Tender must be read in its entirety to understand the Tender process.
   6. Specifications and drawings are to be strictly followed unless otherwise authorized by the Owner in writing.
   7. Supply all labour, materials and equipment as required to carry out the work described in the Contract Documents.

4. Queries/Addenda
   1. Direct queries as indicated on the website Construction Coordinator, by email only steven.wright@iwk.nshealh.ca. 48 hours prior to the closing of this tender.
INSTRUCTIONS TO BIDDERS

2. Queries and clarifications requested by bidders must be in writing not less than seven (7) working days before date set for receipt of bids specified for delivery. The reply will be in the form of an addendum, a copy of which will be available forwarded to known general contract tenderers.

3. Verbal answers to queries are not binding. Information must be confirmed by written addenda.

4. Addenda may be issued during the bidding period. All addenda issued become part of the Contract Documents. Acknowledge receipt of addenda in space provided on Tender Form and include all costs in the Bid Price.

5. Bidders obtaining Tender Documents are responsible for ensuring that they are aware of and have complied with any Addenda issued.

6. Receipt and acknowledgement of Addenda can only be indicated on the Bid Form.

5. Product/System Options
   1. Alternatives to specified products and systems will only be considered during the bidding period in the manner prescribed below.
      1. Where the Bid Documents stipulate a particular product, alternatives will be considered by the Consultant up to 10 working days before receipt of bids specified for delivery to IWK Health Centre, Finance Department 5th Floor, Charter House, 1465 Brenton Street.
      2. When a request to substitute an alternate product is made, the Owner may approve the substitution and will issue an Addendum, a copy of which will be available for viewing on the website.
      3. In submission of equals to products specified, tenderers shall include in their tender, any changes required in the work to accommodate such equals. A later claim by the tenderer for an addition to the Contract Price because of changes in work necessitated by use of equals will not be considered.
      4. The submission shall provide sufficient information to enable the Consultant to determine acceptability of such products.
      5. Submission of alternatives must provide complete information on required revisions to other work to accommodate each alternative, the dollar amount of additions to or reductions from the Contract Price, including revisions to other Work.
      6. Unless request for substitutions are submitted in this manner and subsequently accepted by the Owner, provide products specified.
      7. Provide sufficient information to enable the Owner to determine acceptability of such products, including any additional information subsequently requested by the Owner.

1.4 SITE ASSESSMENT AND EXAMINATION OF DOCUMENTS
   1. Site Examination
      1. Visit the project site and surrounding area before submitting a bid.
INSTRUCTIONS TO BIDDERS

2. The currently occupied premises at the project site is open for examination by appointment only by contacting the construction coordinator at steven.wright@iwk.nshealth.ca.

3. Bidders will be held to have examined the Contract Documents, to have visited the site and to have informed themselves as to existing conditions and limitations and all other conditions which may affect the performance of the contract. No plea of ignorance of such conditions as a result of failure to make all necessary examinations will be accepted as a basis for any claims for extra compensation or an extension of time.

4. Tenders shall cover the execution of the whole of the work described in the specifications and/or shown on the drawings.

1.5 BID SUBMISSION
1. Submissions

1. Bidders shall be solely responsible for the delivery of their bids in the manner and time prescribed.
2. Bids must be submitted on Bid Forms provided by the IWK Health Centre. These forms must be completely filled out in ink or by typewriter, the signature in longhand, and corporate sealed, and the completed form shall be without interlineations, alterations or erasures. Electronic Submissions of original Bid Forms sent by facsimile transmission or email will not be accepted.
3. Tenders must be delivered and deposited as outlined in 1.1 above.
4. All costs and expenses incurred by a Bidder in the preparation and submission of its Bid, or in attending the interview or conducting a site visit, or in providing any additional information in connection with its bid, shall be borne solely by the Bidder, and the Bidder shall have no claim therefore against IWK.

1.6 BID INELIGIBILITY (Reason for Rejection)
1. The IWK as Bid Calling Authority, may reject a bid which has been received prior to the closing time where:
   1. It is not submitted on the required Bid Form included herein.
   2. The original Bid Form is submitted by electronic transmission.
   3. There are omissions of information that IWK in his/her sole discretion deems to be significant.
   4. A bid is not signed as required.
   5. The bid has conditions attached which are not authorized by the invitation to bid.
   6. The bid fails to meet one or more standards specified in the invitation to bid.
   7. All addenda have not been acknowledged on the Bid Form;
   8. Any other defect which, in the opinion of the IWK brings the meaning of the bid into question.

1. A Major Irregularity is a deviation from the bid request which affects the price, quality, quantity, or delivery of the project and is material to the award, and is a reason for rejection.
2. A Minor Irregularity is a deviation from the bid request which affects form, rather than substance. The effect on price, quality, quantity or delivery is not material to the
INSTRUCTIONS TO BIDDERS

award, and may be waived by IWK.
9. Bid submitted by bidder failing to attend bidder’s briefing.

1.7 COMMUNICATIONS AFFECTING BIDS
1. Electronic Transmissions, including, but not limited to electronic/facsimile transmission:
   1. Original Bid Forms submitted by electronic/facsimile transmission are not acceptable and will be rejected.
   2. Written telegrams or Electronic/facsimile transmissions amending or modifying bidder supplied information are acceptable when signed by the signatory of the original bid and conform to all terms of this Tender. Tender form will be accepted at the Finance Department (Fax No. 902-470-7230).
   3. Submission of such electronic/facsimile transmissions is at the risk of the bidder. The IWK assumes no liability for the receipt of the electronic/facsimile transmission or for their proper inclusion with original bid. There is no requirement for follow up and upon receipt of an electronic/facsimile transmission it will be considered binding on both parties. Electronic/facsimile submissions must be submitted prior to closing time and date specified in the bid documents.

1.8 CERTIFICATE OF RECOGNITION
1. Submit with the Bid Form, a copy of the Bidder’s current and valid Certificate of Recognition issued jointly by the Nova Scotia Construction Safety Association and the Province of Nova Scotia Department of Labour.

2. Where the bidder has not yet obtained a Certificate of Recognition, the Bidder must submit a letter from the Nova Scotia Construction Safety Association indicating the bidder is in the process of obtaining the Certificate of Recognition.

3. The bidder shall submit with the bid the name of at least one individual, who is currently an employee of the bidder, who has received, or is “in process” (as defined by the Act) of receiving training for certification by the NSCSA.

1.9 TENDER/OFFER ACCEPTANCE/REJECTION
1. Duration of Offer
   1. Bids shall remain open to acceptance and shall be irrevocable for a period of sixty (60) days after the bid closing date.

2. Award/Selection:
   1. In the evaluation of a bid, the Contracting Authority will consider but not be limited to the following criteria:
      1. Bid price submitted.
      2. Compliance with Bid Documents.
      3. The experience of the bidder with similar projects in size and scope.
      4. Completion date.

3. After determination of preferred bidder, consideration will be given to Alternatives and Contract Price adjustments if applicable.
INSTRUCTIONS TO BIDDERS

4. Acceptance of Offer
   1. IWK reserves the right to accept or reject any or all offers or to accept any offer deemed most satisfactory. IWK reserves the right to waive any informality in any or all Bids.

   2. After acceptance by IWK, the IWK will issue to the successful bidder, a written bid acceptance.

   3. Tenders will not be accepted after the announced closing date and time. All Tenders will be date stamped, initialed and recorded in a receiving log.

   4. Tenders submitted verbally will not be accepted.

   5. Revision or adjustment to tenders submitted verbally will not be accepted.

   6. The Tender must be as outlined in the Contract Documents, otherwise the Tender will be disqualified. In the event that no Tender meets the Specification, the Owner reserves the right to either recall Tenders, or to have the work and/or purchases carried out in a manner and arrangement advantageous to the Owner.

1.10 BIDDERS REGISTRATION

   1. The successful Contractor and Subcontractors must comply with the Nova Scotia Corporations Registration Act or Partnership and Business Registration Act.

1.11 INSURANCE

   1. Provide a signed “Undertaking of Insurance” on a standard form provided by the insurance company stating their intention to provide insurance to the tenderer in accordance with the insurance requirements of the Contract Documents.

1.12 COMPLETION DATE

   1. The project shall be substantially completed on or before the date noted in the Invitation to Tender.

   2. Tenderers are to provide a schedule for completion of Work. Owner requires that Work be completed as quickly as possible and schedule for completion of Work shall be considered as part of the evaluation of tenders, and those tenders with a preferred schedule may be ranked ahead of other tenders.

1.13 AGREEMENT

   1. The successful Tenderer shall enter into an Agreement on the form attached.
1.14 SUB-CONTRACTORS/SUPPLIERS

1. Names of all Sub-Contractors/Suppliers must be indicated opposite trades listed in Section 4.0 of the Tender form, and unless this is done, Tenders will not be considered.

2. Own forces may only be named as Sub-Contractors when the Contractor is equipped to carry out and normally carries out the work noted. If own forces are named, work must be carried out by own forces and substitution of others will not be allowed.
1.0 TENDER PRICES

1. We, the undersigned, having carefully examined the site where the Work is to be performed, having become familiar with the local conditions, the character and extent of the work, the location and source of supply of the materials, and the labour conditions, and having carefully examined the Instructions to Bidders, Form of Agreement, General Conditions, specifications and drawings, as applicable, hereby offer to enter into a Contract to perform the Work required by the above mentioned documents for a lump sum price of:

_____________________________________ Dollars $____________________

in Canadian funds which price includes:

$________________Harmonized Sales Tax
The Tender Price includes all applicable taxes, duties, permits, premium for Bonds, insurances, etc. and furnishing of all equipment, plant, labour, tools, incidentals and all other means of construction to do all the Work and furnish all the materials which are necessary to complete the Work in accordance with the Contract Documents.

2. The following, as applicable, is the cost breakdown of the Tender Price:

- Demolition $________
- Haz Mat Removal $________
- Finished Work $________
- Supply and installation of Casework $________
- Mechanical Work $________
- Electrical Work $________
- Balance of Work $________

Total Lump Sum Amount $________

2.0 ADDENDA

1. The undersigned hereby acknowledges that the following Addenda have been received and included for in this Tender.

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<th>Addendum No.</th>
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3.0 CONSTRUCTION SCHEDULE

1. We hereby agree to start work immediately upon notification of award and have the work completed by ________________ as noted in Article 1.12 of the Instructions to Bidders.

2. We understand that portions of the work may be required to take place outside normal working hours to suit the operational schedule of the Owner.

4.0 SUB-CONTRACTORS

The undersigned hereby agrees that the following is a list of sub-contractors and suppliers which we propose to use on the Work of the Contract and acknowledge that no changes to this list will be permitted without the written approval of the owner.

We understand that the Owner reserves the right to accept, reject or substitute any sub-contractor.

These sub-contractors are known to us as being capable of executing the Work which is the kind and quality specified, within the limitations required.

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<th>SUB-TRADES</th>
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5.0 PROJECT PERSONNEL

The undersigned hereby agrees that the following is a list of personnel such as job superintendent, foreman, project engineer and/or project manager who will be directly involved with the project.

List of Personnel

<table>
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<th>Title/Qualification</th>
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6.0 DECLARATIONS

1. The undersigned hereby declares that:

   1. We are in good standing with the Worker’s Compensation Board for the Province of Nova Scotia.

   2. No person, firm or corporation other than the undersigned has any interest in this Tender or in the proposed Contract for which this Tender is made.

   3. This Tender is open to acceptance for a period of sixty (60) days from the date of Tender closing.

2. The undersigned hereby agrees:

   1. To provide to the owner, within two weeks after notification of the award, a Performance Bond and a Labour and Material Payment Bond each in the amount of fifty percent (50%) of the total contract price.

   2. To take out and maintain all necessary insurances as outlined in the specification and provide one (1) copy of all insurance policies to the Owner within two weeks after notification of acceptance.

   3. That unless and until a formal agreement is prepared and executed, this Tender together with the Owner’s acceptance thereof shall constitute a binding contract with the Owner.
4. To mobilize and start Work on the project immediately upon notice of acceptance.

5. To provide within seven (7) days after notification of acceptance five (5) copies of a Construction Schedule. The Construction Schedule shall indicate the starting date, construction period, completion date and dependencies between all parts of the Work.

6. That the Owner is not bound to accept the lowest or any Tender which may be received.

7. To submit with the Bid Form, a copy of the Bidder’s current and valid Certificate of Recognition issued jointly by the Nova Scotia Construction Safety Association and the Provincial Department of Labour.

8. Prior to final payment by the Owner, the contractor shall submit to the Owner a written declaration stating:
   (a) the total cost of all materials, excluding Harmonized Sales Tax purchased by the contractor and his Sub-contractors to complete the project.
7.0 SIGNATURES, SEAL

SIGNED, SEALED AND SUBMITTED FOR AND ON BEHALF OF:

________________________________________

(Company Name)

________________________________________

(Address)

________________________________________

(Signature)

________________________________________

(Name & Title)

________________________________________

(Date)

________________________________________

(# Business Number Registration)
8.0 ACCEPTANCE

We hereby accept the above Tender for the bid price, as shown, on this day ___ of
______________, 20___, as witnessed.

______________________________
(Owner)

______________________________
(Signing Officer)

Witness ________________ (Title) __________________

Project #: __________________

Project Title: __________________

Purchase Order #: __________________

Tender: Closing Date

Time __________________

Place __________________
1. **STANDARD FORM**

.1 IWK Health Centre’s General Conditions of Contract are part of this Specification, a copy of which is bound herein at the end of this document.

.2 The General Conditions and any further modifications, shall become part of the contract and shall apply to all contractors and subcontractor.
# GENERAL CONDITIONS OF CONTRACT

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The following Definitions shall apply to all Contract Documents.

.1 **The Contract**
The Contract is the undertaking by the parties to perform their respective duties, responsibilities and obligations as prescribed in the Contract Documents and represents the entire agreement between the parties.

.2 **Contract Documents**
The Contract Documents consist of those documents listed in ARTICLE IV OF THE AGREEMENT and subsequent amendments thereto made pursuant to the provisions of the Contract and agreed upon between the parties.

.3 **IWK**
The IWK is identified as such in the Agreement. The term District means IWK or his authorized representative as designated to the Contractor in writing but does not include the Consultant. Where the term “Owner” appears in the contract it shall be read as “IWK”.

.4 **Consultant**
The Consultant is the person, firm or corporation identified as such in the Agreement. The term Consultant means the Consultant or his authorized representative as designated to the District in writing. Where no Consultant exists on the project the term “Consultant” shall be read as “IWK”.

.5 **Contractor**
The Contractor is the person, firm or corporation identified as such in the Agreement. The term Contractor means the contractor or his authorized representative as designated to the IWK in writing.

.6 **Subcontractor**
A Subcontractor is a person, firm or corporation having a direct contract with the Contractor to perform a part or parts of the Work, or to supply products worked to a special design according to the Contract Documents, but does not include one who merely supplies products not so worked.

.7 **Supplier**
One who furnishes material not worked to a special design.

.8 **Other Contractor**
Other Contractor means a person, firm or corporation employed by or having a separate contract directly or indirectly with the IWK for work other than that required by the Contract Documents.

.9 **Project**
The Project means the total construction contemplated of which the Work may be the whole or a part.

.10 The Work
The Work means the total construction and related services required by the Contract Documents.

.11 Place of Work
The Place of the Work is the designated site or location of the Project of which the Work may be the whole or a part.

.12 Products
Products means material, machinery, equipment and fixtures forming the Work but does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work and normally referred to as construction machinery and equipment.

.13 Time
(a) The Contract Time is the time stipulated in the Contract Documents for Substantial Performance of the Work.
(b) The date of Substantial Performance of the Work is the date certified as such by the Consultant.
(c) Day means the calendar day.
(d) Working Day means days other than Saturdays, Sundays and holidays which are observed by the construction industry in the area of the Place of Work.

.14 Change in the Work
Change in the Work means an addition, deletion, or other revision to the Work within the general scope of the Contract Documents.

.15 Extra Work
Extra work means any work or service, the performance of which is beyond the general scope for the Contract Documents.

.16 Contemplated Change Order (CCO)
If a change arises on the project, the Consultant will discuss the change with IWK Project Manager. Upon approval, the Consultant will detail the change on CCO forms provided by the Consultant(s). This CCO, along with the Consultant’s letter explaining the reason for the contemplated change and an estimate of the costs involved, will be forwarded to IWK for formal approval. At the same time, the Consultant is to forward a copy of the CCO to the Contractor to expedite pricing.

.17 Change Order
A Change Order is a written instrument prepared by the Consultant and signed by the IWK, with written recommendation from the Consultant stating their agreement upon all of the following:
.1 A Change in the Work or Extra Work;
.2 the change in the Contract Price, if any;
.3 the change in the Contract time, if any.

.18 Change Directive
A Change Directive is a written order prepared by the Consultant and signed by the IWK and Consultant, directing a Change in the Work and stating a proposed basis for adjustment, if any, in the Contract Price or Contract time, or both. A Change Directive is used in the absence of total agreement necessary for a Change Order.

.19 Substantial Performance of the Work
Substantial Performance shall have been reached when the Work is ready for use or is being used for the purpose intended and when the work to be done under this Contract is capable of completion or correction at a cost of not more than two and one half percent of the contract price as so certified by the Consultant and the IWK.

.20 Completion of Work
Completion shall have been reached when the Work, including all deficiencies documented during the Substantial Performance Inspection have been corrected as so certified by the Consultant and/or the IWK.

.21 Completion of the Contract
Completion of the Contract shall have been reached when the work has been certified as being complete and any deficiencies documented during the specified warranty period have been corrected as so certified by the Consultant and/or the IWK.

GC2 DOCUMENTS

.1 The Contract Documents shall be signed in duplicate by the IWK and Contractor.

.2 The Contract Documents are complementary and what is called for by any one shall be as binding as if called for by all.

.3 The intent of the Contract Documents is to include the labour, products and services necessary for the performance of the Work in accordance with these documents. It is not intended, however, that the Contractor shall supply products or perform work not consistent with, covered by or properly inferable from the Contract Documents.

.4 Descriptions of materials or Work in words which so applied have well known technical or trade meanings shall be held to refer to such recognized meanings.

.5 References to IWK, Consultant, Contractor, Subcontractor, supplier and manufacturer is referred to throughout the Contract Documents as if singular in number and masculine in gender.
.6 In the event of conflicts between Contract Documents the following shall apply:

(a) Documents of later date shall govern.
(b) Figured dimensions shown on a Drawing shall govern even though they may differ from dimensions scaled on the same Drawing.
(c) Drawings of larger scale shall govern over those of smaller scale of the same date.
(d) Schedules shall rule over drawings.
(e) Specifications shall govern over Drawings and Schedules.
(f) The General Conditions shall govern over Specifications.
(g) Supplementary Conditions shall govern over the General Conditions.
(h) The executed Agreement between the IWK and Contractor shall govern over all documents.

GC3 DETAIL DRAWINGS & INSTRUCTIONS

.1 The Consultant shall furnish as necessary for the execution of the Work additional instructions, by means of Drawings or otherwise. All such additional instructions shall be consistent with the Contract Documents. The Work shall be executed in conformity therewith and the Contractor shall do no Work without such additional instructions. In giving such additional instructions, the Consultant shall have authority to make minor changes in the Work, consistent with the intent of the Contract Documents.

.2 The Contractor and the Consultant, if either so requests, shall jointly prepare a schedule, subject to change from time to time in accordance with the progress of the Work, fixing the dates at which the various detail Drawings will be required and the Consultant shall furnish them in accordance with the schedule. Under like conditions, a schedule shall be prepared, fixing the dates for the submission of shop drawings, for the beginning of manufacture and installation of materials and for the completion of the various parts of the Work.

GC4 COPIES FURNISHED

.1 In addition to the signed duplicates of the Contract Documents, the IWK shall furnish to the Contractor copies of all Drawings and Specifications for the proper execution of the Work and charged at cost to the Contractor.

GC5 SHOP DRAWINGS

.1 The Contractor shall furnish to the Consultant at proper times, all shop and setting drawings or diagrams which the Consultant may deem necessary in order to make clear the Work intended or to show its relation to adjacent Work of other trades. The Contractor shall make any changes in such drawings or diagrams which the Consultant may require consistent with the Contract and shall submit two copies of the revised prints to the Consultant, one of which shall be returned to the Contractor and the other retained by the Consultant. When
submitting shop and setting drawings the Contractor shall notify the Consultant in writing of changes made therein from the Consultant's Drawings or Specifications. The Consultant's approval of such Drawings or of the revised Drawings shall not relieve the Contractor from responsibility for errors made by the Contractor therein or for changes made from the Consultant's Drawings or Specifications not covered by the Contractor's written notification to the Consultant. All models and templates submitted shall conform to the spirit and intent of the Contract Documents.

**GC6 DRAWINGS & SPECIFICATIONS ON THE WORK**

.1 The Contractor shall keep one copy of all Drawings and Specifications on the Work, in good order, available to the Consultant and his representatives.

**GC7 OWNERSHIP OF DRAWINGS & MODELS**

.1 All Drawings, Specifications and copies thereof and all models furnished by the Consultant are his property. They are not to be used on other Work and with the exception of the signed Contract Set of Drawings and Specifications, are to be returned to him on request on the completion of the Work.

**GC8 SAMPLES**

.1 The Contractor shall furnish for the Consultant's approval such samples as he may reasonably require. The Work shall be in accordance with approved samples.

**GC9 CONSULTANT & CONTRACTOR**

.1 The Consultant shall have general supervision and direction of the Work, but the Contractor shall have complete control, subject to GC11 of his organization.

**GC10 CONSULTANT'S DECISION**

.1 The Consultant shall decide on questions arising under the Contract Documents, whether as to the performance of the Work or the interpretation of the Specifications and Drawings, but should the Contractor hold such decisions to be at variance with the contract Documents, or to involve changes in work already built, fixed, ordered or in hand in excess of the Contract or to be given in error, he shall notify the Consultant in writing before proceeding to carry them out.

**GC11 CONTRACTOR'S PERSONNEL**

.1 The Contractor shall keep on the Work, during its progress, a competent foreman and any necessary assistants, all satisfactory to the Consultant. The foreman shall not be changed except with the consent of the Consultant, unless the foreman proves to be unsatisfactory to the Contractor and ceases to be in his employ. The foreman shall represent the Contractor in
his absence and directions on minor matters given to him shall be held to be given to the Contractor. Important directions shall be given in writing to the Contractor. The Contractor shall give efficient supervision to the Work, using his best skill and attention.

**GC12 MATERIALS, APPLIANCES AND EMPLOYEES**

.1 Unless otherwise stipulated, the Contractor shall provide and pay for all materials, labour, water, tools, equipment, light and power necessary for the execution of the Work.

.2 Unless otherwise specified, all materials shall be new. Both workmanship and materials shall be of the quality specified.

.3 The Contractor shall not employ on the Work any unfit person or anyone not skilled in the Work assigned him.

**GC13 INSPECTION OF WORK**

.1 The IWK or the Consultant on his behalf and their representative shall at all times have access to the Work wherever it is in preparation or progress and the Contractor shall provide proper facilities for such access and for inspection.

.2 If the Specifications, the Consultant's instructions, laws, ordinances or any public authority require any Work to be specially tested or approved, the Contractor shall give the Consultant timely notice of its readiness for inspection and if the inspection is by an authority other than the Consultant of the date and time fixed for such inspection. Inspections by the Consultant shall be made promptly. If any such Work should be covered up without approval or consent of the Consultant, it must, if required by the Consultant, be uncovered for examination and made good at the Contractor's expense.

.3 Re-examination of questioned Work may be ordered by the Consultant. If such Work be found in accordance with the Contract, the IWK shall pay the cost of re-examination and replacement. If such Work be found not in accordance with the Contract, through the fault of the Contractor, the Contractor shall pay such cost.

**GC14 CORRECTION BEFORE FINAL PAYMENT**

.1 The Contractor shall promptly remove from the premises all materials condemned by the Consultant as failing to conform to the Contract, whether incorporated in the Work or not, and the Contractor shall promptly replace and re-execute his own Work in accordance with the Contract and without expense to the IWK and shall bear the expense of making good all Work of other Contractors destroyed or damaged by such removal or replacement.

.2 If the Contractor does not remove such condemned materials or Work within the time fixed by written notice, the IWK may remove them and may store such materials at the expense of the Contractor. If the Contractor does not pay the expense of such removal within five days
thereafter, the IWK may, upon ten days' notice, sell such materials at auction or at private sale and shall account for the net proceeds thereof, after deducting all costs and any other costs and expenses that should have been borne by the Contractor.

**GC15 DEDUCTIONS FOR UNCORRECTED WORK**

.1 If in the opinion of the Consultant it is not expedient to correct defective Work or Work not done in accordance with the Contract Documents, the IWK may deduct from the Contract price the difference in value between the Work as done and that called for by the Contract, the amount of which shall be determined in the first instance by the Consultant.

**GC16 CORRECTION AFTER FINAL PAYMENT**

.1 Neither the final certificate nor payment there under, nor any provision in the Contract Documents shall relieve the Contractor from responsibility for faulty materials or workmanship which shall appear within a period of one year from the date of Substantial Performance of the Work and he shall remedy any defects due thereto and pay for any damage to other Work resulting there from which shall appear within such period of one year. The IWK shall give notice of observed defects promptly. This article shall not be deemed to restrict any liability of the Contractor arising out of any law in force in the Province.

**GC17 PROTECTION OF WORK & PROPERTY**

.1 The Contractor shall maintain continuously adequate protection of all his Work from damage and shall protect the IWK’s property from all injury arising in connection with this Contract. He shall make good any such damage or injury, except such as may be directly due to errors in the Contract Documents. He shall protect adequately adjacent property as required by law and Contract Documents.

**GC18 EMERGENCIES**

.1 The Consultant has authority to stop the progress of the Work whenever in his opinion such stoppage may be necessary to ensure its proper execution. In an emergency affecting or threatening the safety of life or of the structure or of adjoining property, he has authority to stop the progress of the Work and make such changes and to order such Work extra to the Contract or otherwise as may in his opinion be necessary.

**GC19 WORKERS COMPENSATION ACT**

.1 The Contractor shall furnish evidence of coverage under the Worker’s Compensation Act, R.S.N.S. and a Clearance letter indicating the Contractor, Sub Contractor(s) and other Contractor(s) are in good standing.
GC20 INSURANCE

.1 Contractor’s liability insurance:

The Contractor shall maintain such insurance and pay such assessments as will protect the Contractor and the IWK from claims under the Worker’s Compensation Act and from any other claims for damages for bodily injury, sickness or disease, including death and from claims for property damage which may arise from operations under this Contract. The minimum limits of such insurance shall be not less than $5,000,000 with respect to each occurrence or accident, on an occurrence (not claims made) basis.

.2 The liability insurance to be maintained by the Contractor shall include Commercial General Liability Insurance covering Premises and Operations Liability, elevators, broad form property damage, broad form automobile, owners and contractors protective, blanket contractual, personal injury, completed operations liability contingent employers liability, cross liability clause, non-owned automobile liability, and a 30 day notice of cancellation clause. Liability coverage of not less than $5,000,000 is required with regard to operations of owned automobiles.

.3 All liability insurance policies shall be written in such terms as will fully protect the Contractor and the IWK as an additional named insured.

.4 Prior to commencement of any Work hereunder, the Contractor shall file with the IWK a certified copy of each insurance policy and certificate required. All such insurance shall be maintained until final completion and acceptance of the Work including the making good of faulty Work or materials pursuant to GC16, except that coverage of completed operations liability shall in any event be maintained for twelve (12) months from date of Substantial Performance as certified by the Consultant, and approved by the IWK.

.2 Comprehensive builder’s risk coverage

.1 Prior to the commencement of any Work hereunder the Contractor shall maintain and pay for Broad Form (All Risks) Builders Risk Coverage in the joint names of the IWK and the Contractor totaling not less than 100% of the total value of the Work done and materials delivered on the site (contract value), so that any loss under such policies of insurance will be payable to the IWK and the Contractor as their respective interests appear. The Builders Risk Insurance shall include all materials related to the work while in transit or at other locations.

.2 Should a loss be sustained under the Builders Risk Coverage, the Contractor shall act on behalf of the IWK and Contractor for the purpose of adjusting the amount of such loss with the insurance companies. As soon as such adjustment has been satisfactorily completed, the Contractor shall proceed to repair the damage and complete the Work and shall be entitled to receive from the IWK in addition to any sum due under the Contract, the amount at which the IWK’s interest has been appraised in the adjustment made with the insurance companies as referred to above, said amount to be paid to the Contractor as the Work of restoration proceeds. Any loss or damage which may occur shall not affect the rights and obligations of either party under the Contract except as aforesaid and except that the Contractor shall be entitled to a reasonable extension of time for the performance of the Work, as the IWK may decide.
.3 Upon approval by the IWK of the final certificate issued by the Consultant, the Contractor’s obligation to maintain Builder Risk Insurance shall cease and the IWK shall assume full responsibility for insuring the whole of the Work against loss or damage.

.4 All insurance policies shall be endorsed to provide a minimum advance written notice of not less than 30 days in the event of cancellation, termination, or reduction in coverage or limits, such notice to be made by the Insurer to the IWK.

.5 All insurance policies or certification documents shall specify coverage being applicable to this contract.

.6 Prior to commencement of work, file with the IWK a certified copy of each complete insurance policy or certification documents required. All such insurance shall be maintained until Substantial Performance of the contract.

.7 The Contractor shall not do or omit to do or suffer anything to be done or omitted to be done which will in any way impair or invalidate such policy or policies of insurance.

**GC21 GUARANTY BONDS**

.1 The Bid Bond of the successful bidder in an amount not less than ten per cent (10%) of the Bid as set out in the Instructions to Bidders shall be replaced within ten (10) days of the award of Contract by a Performance Bond and a Payment Bond, each in the amount of fifty percent (50%) of the Bid sum, on the forms provided by and acceptable to the IWK, the cost to be included in the Bid Price. The Bonds shall guarantee the faithful performance of the Contract and payment of all obligations arising from the Contract. The General Contractor shall require Performance Bonds and Payment Bonds of the Sub-Contractors as set out in the Instructions to Bidders and otherwise comply with the requirements set out there in respecting security for Contract.

**GC22 IRREVOCABLE STANDBY LETTER OF CREDIT**

.1 As an alternative to Guaranty Bonds (GC21), an Irrevocable Standby Letter of Credit shall be provided as security for Bid, Performance, Labour and Material payment and warranty of the work. The Irrevocable Standby Letter of Credit shall be issued by a certified financial institution subject to the Uniform Customs and Practices for Documentary Credit (1993 Revision) International Chamber of Commerce (Publication No. 500), for a sum equal to ten percent (10%) of the Contract Price. The Irrevocable Standby Letter of Credit is to remain in effect for a period of not less than twelve (12) months after the issue of Substantial Performance Certificate by the IWK. Upon expiry of the Irrevocable Standby Letter of Credit, Supplemental Security in a form acceptable to the IWK shall be provided for work requiring extended warranties. Certified financial Institution is to endorse the Irrevocable Standby Letter of Credit in the name of IWK. Include the cost of providing the Irrevocable Standby Letter of Credit in the Contract Price.

**GC23 CHANGES IN WORK**

.1 The IWK or the Consultant, without invalidating the Contract, may make changes by altering, adding to or deducting from the Work, the Contract Price being adjusted accordingly. All
such Work shall be executed under the conditions of the Contract except that any claim for extension or reduction of time caused thereby shall be adjusted at the time of ordering such change.

.2 Except as provided in GC18, no change shall be made unless in pursuance of a Change Order or Change Directive from the IWK and no claim for an addition to or deduction from the Contract Price shall be valid unless a Change Order or Change Directive is issued.

.3 The Contractor shall notify the Sureties named in the Performance Bond and Payment Bond provided by it under this Contract of all such changes made in pursuance of a Change Order or Change Directive is issued from the IWK.

GC24 VALUATION OF CHANGES

.1 The value of any change shall be determined in one or more of the following ways as determined by the Consultant:

(a) By estimate and acceptance in a lump sum, submitted with sub-contractors' and suppliers' signed quotations and breakdown estimates for material and labour. (i.e. Itemized materials lists and labour, including labour rates and number of hours to perform work)

For changes where the individual trade cost is anticipated to be less than $1000, the requirement for the detailed cost breakdowns may be waived but individual trade quotation must be supplied.

(b) By unit prices agreed upon or as listed in the contract.

(c) Cost of work and percentage or by cost and fixed fee.

(d) If appropriate breakdown is not provided as required above, the IWK will not be held responsible for costs of delay associated with this Work.

.2 In cases of additional work to be paid for under method "C", the Contractor shall keep and present in such form as the Consultant may direct, a correct account of the net cost of labour and materials, together with vouchers. In any case, the Consultant shall certify to the amount due to the Contractor including the profit and overhead as described in the Schedule. Pending final determination of value, payments on account of changes shall be made on the Consultant's certificate.

.3 (a) In determination of method .1(a) or .1(c) above, the labour costs to be calculated by the actual estimated hours at an hourly rate determined as follows:

The hourly labour rate to be total payroll costs including hourly wage, statutory contributions to EI, WCB and CPP and other applicable labour burdens paid directly by the employer such as vacation pay, holiday pay, pension plan etc.
Such burdens shall be verified by submission of payroll evidence.

The IWK reserves the right to verify the payroll costs by independent audit.

To the total payroll cost the following percentage factors will be recognized.

- small tools/expenditures 5% (on payroll costs)
- site supervision 5% (on payroll costs)

(b) In determination of methods ".1a)" and ".1c)" above, the material costs to be calculated as follows:

Contractors net costs, including contractor discounts from suppliers, FOB the project site plus applicable taxes.

(c) In determination of methods ".1a)" and ".1c)" above, equipment rental costs for major pieces of equipment required will be at local industry rates.

(d) In determination of methods ".1a)" and ".1c)" above, overhead and fees shall be calculated as follows:

The cost of any authorized change shall be determined by the net total of labour and material or equipment as outlined in .3(a), .3(b) and .3 c) above on which the percentage mark-up shall be determined as follows:

For Extras Up to $5,000:
- Sub-Contractors Own Work - Overhead & Fee - 15% total
- General Contractors Own Work - Overhead & Fee - 15% total
- General Contractor on Sub-Contractors Work - 10% total
(No percentage markup shall be applied to deductions)

For Extras Above $5,000:
- Sub-Contractors Own Work - Overhead & Fee - 10% total
- General Contractors Own Work - Overhead & Fee - 10% total
- General Contractor on Sub-Contractors Work - 8% total
(No percentage markup shall be applied to deductions)

.4 Submit to the Consultant and the IWK's representative detailed breakdown of the hourly labour rate as defined in paragraph .3(a) of GC24.

.5 Itemization of hourly labour rates including burdens shall be submitted on the Itemized Breakdown of Employee Hourly Labour Rate Form provided by the IWK.
GENERAL CONDITIONS

GC25 CLAIMS AGAINST CONTRACTOR

.1 The Contractor shall promptly pay for all labour, services and materials, in or about the construction of the Work. All payments for such purposes shall be made by the Contractor at least as often as payments are made by the IWK to the Contractor. Proof of payment to subcontractors and suppliers will be in the form of a statutory declaration provided by the General Contractor to the IWK.

.2 The IWK will maintain holdback funds in accordance with the Builders’ Lien Act.

.3 Before final settlement is made for Work done and materials furnished under the Contract, the Contractor shall produce and furnish evidence satisfactory to the IWK that the Work and all its parts are free and clear from all lawful claims for labour, workmanship, and materials or otherwise. The Contractor shall indemnify and hold harmless the IWK and all his property from any and all kinds of claims accruing from labour and services performed and materials furnished, or otherwise, and any of the same, in or about said Work.

GC26 CERTIFICATES & PAYMENTS

.1 Payments equal to percentage stipulated in the Agreement of the value of the Work done, as valued by the Consultant, will be made to the Contractor monthly as the Work progresses on the written certificate of the Consultant that the Work for or on account of which the certificate is granted has been duly executed to his satisfaction; stating the value of such Work as computed by him and said certificate shall be a condition precedent to the right of the Contractor to be paid the said percentage or any part thereof. No such monthly payment shall be construed to be an acceptance of any defective Work or improper materials.

.2 Whenever the Work is finished according to the Plans and Specifications and to the satisfaction of the Consultant, the Consultant shall make and certify the final estimate for same. The IWK will then pay the Contractor the remainder which shall be found to be due, within thirty (30) days after the execution of said Final Certificate for Payment, excepting there from such sum(s) as may be lawfully deducted or retained under any of the provisions of the Contract or as necessary under the Builder’s Lien Act. The Final Certificate for Payment of the Consultant certifying the final completion of said Work to his entire satisfaction shall be a condition precedent to the right of the Contractor to receive or to be paid the balance due or any part thereof. The right is reserved by the IWK to reject the whole or any part of the Work, should said certificate be found to be inconsistent with the terms of the Contract or otherwise improperly given.

.3 The Consultant’s progress certificates and the payment of progress estimates based upon the same shall not be construed as acceptance or approval of the Work, but only as temporary advances to the Contractor. He shall be bound, notwithstanding such progress estimates, to well and truly complete, finish and hand over in good condition, to the entire satisfaction of the Consultant, by the time specified and in accordance with the terms and conditions of the Specifications, the whole of the Work included herein. All the percentage retained by the
GENERAL CONDITIONS

IWK shall be payable ten (10) days following the expiration of the lien period set out in the Builders’ Lien Act except that the IWK may retain such sums necessary to satisfy any liens.

GC27 PERMITS, NOTICES, LAWS & RULES

.1 The Contractor shall obtain and pay for all necessary permits or licenses required for the execution of the Work (but this shall not include the obtaining of permanent easements or building permits).

.2 The Contractor shall give all necessary notices and pay all fees required by law and comply with all laws, ordinances, rules and regulations relating to the Work and to the preservation of the public health and safety and if the Specifications and Drawings are at variance therewith any resulting additional expense incurred by the Contractor shall constitute an addition to the Contract Price.

GC28 PATENT FEES

.1 The Contractor shall pay all royalties and license fees and shall save the IWK harmless from loss on account of suits or claims which may arise by reason of the Work for infringement of patents.

GC29 USE OF PREMISES

.1 The Contractor shall confine his apparatus, the storage of materials and the operations of his workmen to limits indicated by law, ordinances, permits or directions of the Consultant and shall not unreasonably encumber the premises with his materials.

.2 The Contractor shall not load or permit any part of the structure to be loaded with a weight that will endanger its safety.

.3 The Contractor shall enforce the Consultant’s instructions regarding signs, advertisements, fires and smoking.

GC30 CLEANING UP

.1 The Contractor shall at all times keep the premises free from accumulations of waste materials or rubbish caused by the employees or Work and at the completion of the Work he shall remove all his rubbish from and about the building and all his tools, scaffolding and surplus materials, leaving his Work broom clean or its equivalent, unless more exactly specified. In case of dispute, the IWK may remove the rubbish and charge the cost to the Contractor as the Consultant shall determine to be just.

GC31 CUTTING, PATCHING & DIGGING
.1 The Contractor shall do all cutting, fitting or patching of his Work that may be required to make its several parts come together properly and fit it to receive or be received by Work of other Contractors shown upon, or reasonably implied by, the Contract Documents and he shall make good after them, as the Consultant may direct.

.2 Any cost caused by ill-timed Work shall be borne by the party responsible therefor.

.3 The Contractor shall not endanger any existing Work by cutting, digging or otherwise and shall not cut or alter the Work of any other Contractor save with the consent of the Consultant.

**GC32 DELAYS**

.1 If the Contractor is delayed in the completion of the Work by any act or neglect of: The IWK or Consultant, any employee or either any other Contractor employed by the IWK, changes ordered in the Work, strikes, lockouts, fire, unusual delay by common carriers, unavoidable casualties, any other cause of any kind whatsoever beyond the Contractor's control or by any cause within the Contractor's control which the Consultant shall decide as justifying the delay, then the time of completion shall be extended for such reasonable time as the Consultant may decide.

.2 No such extension shall be made for delay occurring more than seven days before claim therefore is made in writing to the Consultant, provided however that in the case of a continuing cause of delay, only one claim shall be necessary.

.3 If no schedule is made under GC3, no claim for delay shall be allowed on account of failure to furnish Drawings until two weeks after demand for such Drawings and not then unless such claim be reasonable.

.4 The Consultant shall not, except by written notice to the Contractor, or as provided in GC18, stop or delay any part of the main Contract Work pending decisions or proposed changes.

**GC33 IWK'S RIGHT TO DO WORK**

.1 If the Contractor should neglect to prosecute the Work properly or fail to perform any provision of this Contract, the IWK, after three days written notice to the Contractor and the Surety, may without prejudice to any other remedy he may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due the Contractor.

**GC34 IWK'S RIGHT TO TERMINATE CONTRACT**
.1 If the Contractor should be adjudged a bankrupt, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed on account of his insolvency of if he should, except in cases recited in Article GC33, refuse or fail to supply enough properly skilled workmen or proper materials after having received seven days' notice in writing from the Consultant to supply additional workmen or materials, or if he should fail to make prompt payment to Sub-Contractors or for material or labour, or persistently disregard laws, ordinances or the instructions of the Consultant, or otherwise be guilty of a substantial violation of the provisions of the Contract, then the IWK may, without prejudice to any other right or remedy, by giving the Contractor and the Surety written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools and appliances thereon and finish the Work by whatever method he may deem expedient, but without undue delay or expense. In such case, the Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the contract price shall exceed the expense of finishing the Work, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the IWK.

GC35 CONTRACTOR’S RIGHT TO STOP WORK OR TERMINATE CONTRACT

.1 If the Work should be stopped under an order of any court, or other public authority, through no act or fault of the Contractor or of anyone employed by him, then the Contractor may, upon three days' written notice to the IWK and Consultant, stop Work or terminate this Contract and recover from the IWK payment for all Work executed and any loss sustained upon any plant or material with reasonable profit and damages.

GC36 MUTUAL RESPONSIBILITY OF CONTRACTORS

.1 Should the Contractor suffer damage by any act, neglect or default of any other Contractor employed by the IWK upon the Work, the IWK shall be responsible therefore, but shall be subrogated to the rights of the damaged Contractor against the Contractor causing the damages. The Contractor shall make his claim in writing against the IWK within seventy-two hours after the happening of the event causing such damage to the Contractor.

.2 Should the Contractor cause damage to any other Contractor on the Work, the Contractor agrees, upon due notice, to settle with such other Contractor by agreement if he will so settle. If such other Contractor sues the IWK on account of any damage alleged to have been so sustained the IWK shall notify the Contractor, who shall defend such proceedings at his own expense and if any final order or judgment against the IWK arises there from, the Contractor shall be responsible and shall pay and satisfy it promptly together with all costs incurred by the IWK.

GC37 SEPARATE CONTRACTS

.1 The IWK reserves the right to let other contracts in connection with the undertaking of which the Work is a part and the Contractor shall connect properly and coordinate his Work with that of other Contractors. If any part of the Contractor’s Work depends for its proper
execution or result upon the Work of another Contractor, the Contractor shall report promptly to the Consultant any defects in the Work of such other Contractor as may interfere with the proper execution of the Contractor's Work. Should the Contractor fail so to inspect and report, he shall have no claim against the IWK by reason of the defective or unfinished Work of any other Contractor, except as to latent defects not reasonably noticeable at the time of the commencement of the Contractor's Work.

GC38 ASSIGNMENT

.1 This Contractor shall not assign the Contract or assign any monies due or accruing under the Contract under any circumstances.

GC39 SUB-CONTRACTS

.1 The Contractor agrees that the list of names of Sub-Contractors when request with the Bid is the list of Sub-Contractors proposed to be used to carry out those parts of the Work noted thereon and he shall not employ any to whom the Consultant may reasonably object.

.2 The Contractor agrees to supply within ten (10) days of award of Contract or immediately prior to commencement of Work (whichever occurs first) the names of all Sub-Contractors. Those listed shall be contracted by the Contractor to carry out those parts of the Work noted thereon and the Contractor shall not employ any to whom the Consultant my reasonably object.

.3 If the change of any name on such list is required by the IWK and the Work has to be awarded to a higher bidder, the Contract Price shall be increased by the difference between the two bids.

.4 The Consultant shall, on request, furnish to any Sub-Contractor, wherever practicable, evidence of the amounts certified to on his account.

.5 The Contractor shall be held as fully responsible to the IWK for the acts and omissions of his Sub-Contractors and of persons directly or indirectly employed by them, as for the acts and omissions of persons directly employed by him.

.6 In view of this responsibility for the acts and omissions of his Sub-Contractors, the Contractor shall not be obliged to employ as a Sub-Contractor any person or firm to whom he may reasonably object.

.7 Nothing contained in the Contract Documents shall create any contractual relation between any Sub-Contractor and the IWK.

GC40 RELATIONS OF CONTRACTOR & SUB-CONTRACTOR
.1  The Contractor agrees to bind every Sub-Contractor by the terms of the Contract Documents, as far as applicable to his Work.

**GC41 TAXES**

.1  Harmonized Sales Tax

.1  The Province of Nova Scotia is not exempt for Harmonized Sales Tax (HST) purposes. As a result, the aggregate amount of the bid for Department contracts is subject to HST, however, prices submitted shall not include HST.

.2  The Contractor agrees he has not included in his bid, Harmonized Sales Tax on materials and services to be provided in connection with this Contract.

.3  The HST, payable by the IWK, will be added as a separate item during the processing of progress payments and therefore HST will not appear as a cost in the aggregate amount of Bid.

.4  The Contractor shall apply for an Input Tax Credit (ITC) for a portion of the HST paid in relation to the Contract to requirements of the Government of Canada.

**GC42 PROGRESS ESTIMATES**

.1  Progress estimates must be submitted with each claim for payment, based upon the approved Schedule of Values for the various parts of the work.

.2  All claims for material on site, but not installed, must be supported by supplier's invoices showing supplier's unit prices, including taxes. When material has been taken from Contractor's or Sub-Contractor's general stock on hand, they shall supply invoices priced at current cost prices without Contractor's or Sub-Contractor's profit.

**GC43 APPLICATION FOR PAYMENT**

.1  Application for payment shall be as set out in the Form of Agreement between the IWK and the Contractor.

**GC44 PAYMENT**

.1  Payment shall be as set out in the Form of Agreement between the IWK and the Contractor.

**GC45 RELATIONSHIP OF IWK AND CONTRACTOR**

.1  The relationship between the IWK and Contractor shall be as set out in the form of agreement between the IWK and the Contractor

**GC46 INDEMNIFICATION**
.1 The bidder shall indemnify and hold IWK, or its agents harmless from and against all costs, actions, suits, claims, losses, expenses (including legal costs), liabilities, or damages arising from any action done by the Bidder, or by its servants, agents, employees, or students in relation to all matters arising out of this Agreement save and except where caused by the negligence or willful misconduct of IWK, its servants, agents, or employees.

.2 IWK, or its agents shall indemnify and hold the bidder harmless from and against all costs, actions, suits, claims, losses, expenses (including legal costs), liabilities, or damages arising from any action done by IWK, or by its servants, agents, employees, or students in relation to all matters arising out of this Agreement save and except where caused by the negligence or willful misconduct of the bidder, its servants, agents, or employees.

**GC47 DISCLOSURE OF INFORMATION**

.1 *Personal Information International Disclosure Protection Act (PIIDPA)*
Bidder acknowledges that in the performance of any Contract awarded hereunder it may obtain information concerning individuals which information is subject to protection in accordance with applicable legislation and regulation including, without limiting the generality of the foregoing, the Personal Information International Disclosure Protection Act (“PIIDPA”) Bill NO. 19 and any other applicable Act or regulation. Bidder agrees to safeguard any such information in accordance with all such legislation/regulation and use same solely to comply with its obligations under the awarded Contract.

.2 *Confidentiality of Information*
Information pertaining to IWK obtained by the bidder as a result of participating in this contract is confidential and must not be disclosed without written permission from IWK.

**GC48 NEW RELEASES/PUBLIC ANNOUNCEMENTS**

.1 Bidders shall not make news releases or public announcements concerning the Tender or the awarding of the contract without the written consent of IWK and then, only in coordination with IWK.

---------------------------------------------------------------------END---------------------------------------------------------------------
1 General

1.1 GENERAL DOCUMENTS

.1 Work will be performed under one Contract. The form of contract will be CCDC2-2008.

1.2 PROJECT MANUAL

.1 Wherever the word “building” occurs in the Contract Documents, it shall be taken to mean the IWK Health Centre

.2 Wherever in the Contract Documents the words “approved”, “direction”, “directed”, “selection”, “selected”, “request”, “requested”, “report”, and similar words are used, such approvals, directions, selections, requests, and reports shall be given the Architect unless specifically stated otherwise.

.3 Wherever in the Contract Documents the word “provide” is used in any form, it shall mean that the work concerned shall include both supply and installation of the products required for completion of that part of the work.

.4 Wherever in the specifications it is specified that work is to proceed or to meet approval, direction, selection, or request of jurisdictional authorities or others, such approval, direction, selection, or request shall be in writing.

1.3 ERRORS AND OMISSIONS

.1 If errors or omissions are observed in the Contract Documents, immediately notify the Architect in writing of all such errors or omissions. In the event no such notice is given, the Contractor will be held responsible for the results of any such error or omission and the cost of rectifying the same.

1.4 DIVISION 1

.1 The provisions of all Sections of Division 1 shall apply to each Section of this specification.
1.5 CONSTRUCTION SCHEDULE

.1 Submit a detailed construction schedule within seven (7) working days of notification of tender acceptance, for approval.

1.6 SITE PROGRESS RECORDS

.1 Maintain at the site a permanent written record of progress of work. Make the record available at all times with copies provided when requested. Include in record each day.

.1 Commencement and completion dates of the work in each area of the project.

.2 Arrival of major equipment on site and placement into the building.

.3 Attendance of Contractor’s and Sub-Contractor’s work forces at project and a record of the work they perform.

.2 Maintain a progress chart in an approved format. Show on chart proposed work schedule and progress of work by Contractor and Sub-Contractor.

1.7 EXAMINATION

.1 Site:

.1 Examine site and ensure that each Section performing work related to site conditions have examined it, so that all are fully informed on all particulars which affect work thereon in order that construction proceeds competently and expeditiously.

.2 Ensure by examination that all physical features and working restrictions and limitations which exist are known, so that the Owner is not restricted in his use of the premises for his needs.

.2 Previously Completed Work:

.1 Verify extent and location of existing systems and components before fabrication of work interface with it.

.2 Verify that previously executed work and surfaces are satisfactory for installation or application, or both, and that performance of subsequent work will not be adversely affected.
.3 Commencement of work will constitute acceptance of site conditions and previously executed work as satisfactory.

.4 Report to the Architect defects in prior work which will affect quality of subsequent work, or construction schedule.

.3 Construction Measurements:

.1 Before commencing installation of work, verify that its layout is accurate in accordance with the intent of the drawings, and that positions, levels and clearances to adjacent work are maintained.

.2 If work is installed in the wrong location, rectify it before other work concerned proceeds.

1.8 PROTECTION OF WORK PROPERTY AND PERSONS

.1 Include in work necessary methods, materials and construction to ensure that no damage or harm to work, materials, property, and persons results from the work of this Contract.

.2 Protect finished surfaces of completed work from damage by restriction of access or by use of physical means suitable to the material and surface location. Establish with each Sub-Contractor the suitability of such protection in each case.

.3 Protect existing mechanical, electrical, telephone, and similar services from damage. If necessary, relocate active services to ensure that they function continuously in safety and without risk of damage.

.4 Cap off and remove unused mechanical and electrical services encountered during work after approval is given by the Architect. Relocation, removal, protection, and capping of existing services shall be performed only by licensed mechanics.

1.9 FASTENINGS

.1 Include in the work of each Section necessary fastenings, anchors, inserts, attachment accessories, and adhesives.

.2 Do not use fastenings which cause spalling or cracking of materials in which their installed. Do not use powder actuated fastening devices unless specified.
.3 Install metal-to-metal fastenings fabricated of the same metal, or of a metal which will not set up electrolytic action causing damage to fastenings or components, or both, under moist conditions.

.4 Install work with fastenings or adhesives in sufficient quantity to ensure permanent secure anchorage of materials, constructions, components, and equipment. Space anchors within limits of load-bearing or shear capacity.

1.10 CLEANING

.1 Ensure that toxic and volatile fluid wastes are not disposed of in storm or sanitary sewers or in open drain courses.

.2 Do not allow waste material and debris to accumulate in an unsightly or hazardous manner. Sprinkle dusty accumulations with water. Provide containers in which to collect waste material and debris.

1.11 SALVAGE

.1 Unless otherwise specified, salvaged material resulting from construction and surplus materials and construction debris shall become the property of the Contractor to dispose of it away from the site.

1.12 SITE LIMITATIONS

.1 Since the adjacent areas both vertically and horizontally may be kept in operation during the work, the Owner will designate the precise areas which may be utilized for work and storage.

1.13 SECURITY REGULATIONS

.1 Perform work in conformance to the security regulations of the institution as directed by the Architect. Subject to more stringent regulations imposed by the IWK Health Centre, conform to the following:

.1 Maintain an accurate inventory of tools and equipment at all times. When work is not in progress, all tools and equipment shall be stored in a secure place. Report loss of any tools or equipment immediately.
.2 Workmen shall be prepared to identify themselves at any time they are requested while on the site.

1.14 OWNER’S OCCUPANCY

.1 The Owner reserves the right to occupy and use portions of the project, whether partially or entirely completed, or whether completed on schedule or not, provided such occupancy does not interfere with the Contractor’s continuing work.

.2 Partial occupancy or installation by the Owner of his equipment shall not imply acceptance of the project in whole, or in part, nor shall it imply acknowledgment that terms of the Agreement are fulfilled.

END OF SECTION
1 General

1.1 GENERAL

.1 Prices included in the Contract shall be complete for the applicable work, and shall include for each price:

.1 Expenditures for wages and for salaries of workmen, engineers, superintendents, draughtsmen, foreman, time-keepers, accountants, expediters, clerks, watchmen, and such other personnel as may be approved, employed directly under the Contractor and while engaged on the applicable work at the site and expenditures for traveling and board allowances of such employees when required by location of the applicable work of when covered by trade agreements and when approved; provided, however, that nothing shall be included for wages or salary of the contractor if an individual, or of any member of the Contractor’s firm if the Contractor is a firm or the salary of any officer of the corporation if the Contractor is a corporation, unless otherwise agreed to in writing.

.2 Expenditures for material used in or required in connection with the construction of the applicable work including material tests and mix designs required by the laws or ordinances of any authority having jurisdiction and not included under sub-paragraph .9.

.3 Expenditures for preparation, inspection, delivery, installation, and removal of materials, plant, tools, and supplies.

.4 Temporary facilities as required for the applicable work.

.5 Traveling expenses properly incurred by the Contractor in connection with the inspection and supervision of the applicable work or in connection with the inspection of materials prepared or in course of preparation for the applicable work in expediting their delivery.

.6 Rentals of all equipment whether rented from the Contractor or others, in accordance with approved rental agreements and expenditures for transportation to and from the site of such equipment, costs of loading and unloading, cost of installation, dismantling and removal thereof and repairs which may be necessary because of defects in the equipment when brought to the work or appearing within thirty (30) days thereafter.
The cost of all expendable materials, supplies, light, power, heat, water, and tools (other than tools customarily provided by tradesmen) less the salvage value thereof at the completion of the applicable work.

Assessments under the Workmen’s Compensation Act, the Unemployment Insurance Act, Canada Pension Act, statutes providing for government hospitalization, vacations with pay or any similar statutes; or payments on account of usual vacations made by the Contractor to his employees engaged on the applicable work at the site, to the extent to which such assessments or payments for vacations with pay relate to the work covered by the specified price; and all sales taxes or other taxes where applicable.

The amounts of all Sub-Contractors related to the specified price.

Premiums on all insurance policies and bonds called for under this Contract as related to the specified price.

Royalties for the use of any patented invention on the applicable work.

Fees for licenses and permits in connection with the applicable work.

Duties and taxes imposed on the applicable work.

Such other expenditures in connection with the applicable work as may be approved.

Provided always that except with the consent of the Owner, the above items of cost shall be at rates comparable with those prevailing in the locality of the work.

END OF SECTION
1 General

1.1 GENERAL

.1 Execute each part of the work by tradesmen specializing in such work, in accordance with these specifications for similar work where applicable.

.2 Schedule demolition to avoid interference with progress of new construction work.

.3 This project is located within an operating health care facility and it is required that construction methods adhere to the requirements of CSA Z317.13-03 - Infection Control During Construction, Renovation, and Maintenance of Health Care Facilities. The General Contractor will be required to provide a temporary site hoarding to comply with these regulations. Air pressure difference to be sufficient to prevent all dust and odors from traveling to adjacent areas of the building is to be maintained by the General Contractor at all times. The project is to be maintained as a Class 4 standard. The General Contractor’s Site Superintendent must have a valid CSA Certification for this standard.

1.2 OCCUPANT’S USE OF EXISTING SITE

.1 The adjacent areas will remain in full use throughout the duration of the work.

.2 Execute work at approved times and as mutually agreeable to the Owner.

.3 Execute work as quietly as possible in and around existing building. Schedule noisy operations to achieve least disturbance to occupants.

.4 Equipment required for construction must be located so they will not impede traffic movement around the site.

.5 Due to operational requirements, work which is noisy or may disrupt patient care services, will have to be scheduled outside normal business hours at the Contractor’s expense.

.6 Maintain continuation of fire protection to the site at all times.

1.3 REMOVAL OF EXISTING WORK AND SALVAGE

.1 Salvageable items may be used in new work where suitable and approved in writing before close of tenders.
.2 Materials recovered from the existing building and systems, and which are not relocated or turned over to the Owner shall become the property of the Contractor and shall be disposed of away from site.

1.4 CONTRACTOR’S USE OF EXISTING BUILDING

.1 Limit access of construction personnel to building only at approved locations.

.2 Ensure that construction personnel perform work only as required under the Contract; and that they do not use it as access to other work areas.

.3 Limit the use of washrooms in existing building by construction personnel to the areas designated by the Owner.

1.5 EXISTING SERVICES

.1 Ensure that existing services are not damaged during demolition and construction.

.2 Do not interrupt mechanical or electrical services except for temporary close-downs to make connections to new work, and as approved in writing by prior arrangements. The Contractor may be required to give both the Architect and the Owner up to fourteen (14) days notice in writing of intention to interrupt mechanical and electrical services in any area.

.3 Should existing services be accidentally uncovered and disrupted, make complete restoration immediately, and ensure adequate protection to avoid further disruption until alternative means of providing permanent continuation of the services are made.

.4 Unless otherwise specified, restore services on which work is performed to original condition.

.5 Install new services as soon as possible at commencement of Contract to ensure uninterrupted service during construction period. Co-ordinate replacement of power supply and heating system so as not to cause disruption.
1.6 ACCESS TO SITE

.1 Maintain access to all portions of the Hospital at all times.

1.7 SCHEDULE OF WORK

.1 It is imperative that access be maintained to all portions of the building at all times, for service, etc.

END OF SECTION
1.1 DESCRIPTION

.1 Coordination of the work of all Sub-Contractors is the responsibility of the Contractor.

.2 The Contractor’s responsibilities include, but are not restricted to, coordination specified in this section, unless specified otherwise.

1.2 RELATED WORK

.1 Coordination of the mechanical and electrical systems specified is the responsibility of these sub-trades.

1.3 QUALITY ASSURANCE

.1 Requirements of Regulatory Agencies: Coordinate requirements of jurisdictional authorities.

.2 Source Quality Control:

.1 ensure that work meets specified requirements.

.2 Schedule, supervise and administer inspection and testing.

.3 Job Records: Maintain job records and ensure that such records are maintained by Sub-Contractors.

1.4 SUBMITTALS

.1 Prepare schedule and expedite submission of specified submittals.

.2 Review submittals and make comments as specified in Section 01300.

.3 Maintain a log of submittals to ensure their original submission on schedule, and their subsequent revisions and re-submissions.
1.5 PRODUCT DELIVERY, STORAGE AND HANDLING

.1 Schedule delivery of products and provide delivery access and unloading areas.

.2 Make available areas for storage of products and construction equipment to meet specified requirements, and to ensure a minimum of interference with progress of the work and relocations.

.3 Make available access for transference of stored products and construction equipment to work areas.

1.6 CASH ALLOWANCES

.1 Not applicable.

1.7 WARRANTIES

.1 Ensure that warranties are provided as specified.

.2 Coordinate warranty conditions of interconnected work to ensure that full coverage is obtained.

1.8 COORDINATION

.1 Coordinate all work in each area and work on which subsequent work depends to facilitate mutual progress, and to prevent conflict between parts of the work.

1.9 CUTTING AND PATCHING

.1 Refer to the General Conditions of the Contract.

.2 Before cutting, drilling or sleeving structural load-bearing elements, obtain approval of location and methods.

.3 Do not endanger work or property by cutting, digging or similar activities. No section shall cut or alter the work of another section unless approved by the section which has installed it.

.4 Cut and drill with true smooth edges and to minimum suitable tolerances.
.5  Fit construction tightly to ducts, pipes and conduits to stop movement completely. The section performing work that penetrates a fire, smoke, air, vapour, moisture, thermal, or acoustic separation element of the building shall pack voids tightly with rock wool; seal air, vapour and moisture barriers; and caulk joints as may be required to ensure that no air movement through the penetration is possible.

END OF SECTION
1 General

1.1 REQUIREMENTS INCLUDED

.1 Requirements and limitations for cutting and patching the work.


.3 Nova Scotia Occupational Safety General Requirements.

1.2 RELATED REQUIREMENTS

.1 Section 01010 - Summary of Work.

.2 Section 01600 - Material and Equipment.

1.3 SUBMITTALS

.1 Submit written request in advance of cutting or alternation which affects:

.1 Structural integrity of any element of project.

.2 Integrity of weather-exposed or moisture-resistant elements.

.3 Efficiency, maintenance or safety of any operational element.

.4 Visual qualities of sight-exposed elements.

.2 Include in request:

.1 Identification of project.

.2 Location and description of affected work.

.3 Statement on necessity for cutting or alternation.

.4 Description of proposed work, and products to be used.

.5 Alternatives to cutting and patching.

.6 Effect on work of Owner or separate contractor.
.7 Written permission of affected separate contractor.

.8 Date and time work will be executed.

2.0 NOT USED

3 Products

3.1 GENERAL

.1 Execute cutting, fitting and patching including excavation and fill, to complete the work.

.2 Fit the several parts together to integrate with other work.

.3 Uncover work to install ill-timed work.

.4 Remove and replace defective and non-conforming work.

.5 Remove samples of installed work for testing.

.6 Provide openings in non-structural elements of work for penetrations of mechanical and electrical work.

3.2 INSPECTION

.1 Inspect existing conditions, including elements subject to damage or movement during cutting and patching.

.2 After uncovering, inspect conditions affecting performance of work.

.3 Beginning of cutting or patching means acceptance of existing conditions.

3.3 PREPARATION

.1 Provide supports to assure structural integrity of surroundings; devices and methods to protect other portions of project from damage.
.2 Provide protection from elements for areas which may be exposed by uncovering work; maintain excavations free of water.

3.4 PERFORMANCE

.1 Execute work by methods to avoid damage to other work, and which will provide proper surfaces to receive patching and finishing.

.2 Use a material to match existing.

.3 For a change in material, submit request for substitution under provisions of Section 01600.

.4 Employ original installer to perform cutting and patching for weather-exposed and moisture-resistant elements, and sight-exposed surfaces.

.5 Cut rigid materials using masonry saw or core drill. Give Owner advanced notice. Pneumatic or impact tools not allowed without prior approval.

.6 Restore work with new products in accordance with requirements of Contract Documents.

.7 Fit work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.

.8 At penetration of fire-rated wall, ceiling or floor construction, completely seal voids with fire stopping material, full thickness of the construction element.

.9 Refinish surfaces to match adjacent finishes. For continuous surfaces refinish to nearest intersection; for an assembly, refinish entire unit.

3.5 HOLES REQUIRED BY MECHANICAL AND ELECTRICAL

.1 Holes required through structural concrete for use by mechanical and electrical trades shall be sleeved during formwork. Coordinate to eliminate necessity for cutting afterward.
.2 Include in the work of Mechanical and Electrical the provision of holes and related patching.

.3 Include under the work of this section the provision of holes for any other purpose than .2 above such as chases, bulkheads, furring, and required patching.

3.6 PREPARATION CONCRETE CORING & SAWING

.1 Review the following with the Owner’s representative prior to starting work:
   .1 Schedule of work.
   .2 All equipment to be used including equipment manufacturer’s written recommendations.
   .3 Core drilling procedure for each location.
   .4 Saw cutting procedure for each location.
   .5 Protection measures for surrounding surfaces both interior and exterior.
   .6 Collection and disposal of slurry.
   .7 Bracing or shoring of concrete pieces.
   .8 Removal method for waste concrete pieces.

3.7 CONCRETE CORING & SAW CUTTING

.1 Perform coring, saw cutting and waste removal following established procedures and in accordance with the equipment manufacturer’s written instructions. Follow all safety procedures. Remove concrete waste and slurry from the site and dispose of in accordance with Municipal and Provincial Regulations.

3.8 DISPOSAL

.1 Dispose of removed materials, to appropriate recycling facilities/reuse facilities and dispose of waste in accordance with Municipal and Provincial Regulations.

3.9 PAYMENT

.1 Patching or replacement of damaged work shall be done by the party under whose work it was originally executed and payed for by the party causing the damage.

END OF SECTION
1 General

1.1 JURISDICTIONAL AUTHORITIES

.1 Where reference is made to jurisdictional authorities, it shall mean all authorities who have within their constituted powers the right to enforce the laws of the place of building.

1.2 SAFETY, FIRE PREVENTION AND PROTECTION

.1 Observe construction safety measures in latest version of National Building Code, Provincial Government, (including but not limited to) Nova Scotia Building Code, the Occupational Health and Safety Act of Nova Scotia and all regulations made pursuant to this Act, Worker’s Compensation Board and Municipal authority provided that in any case of conflict or discrepancy, the more stringent requirement shall apply.

.2 Enforce fire protection method, good housekeeping, and adherence to local and underwriter’s fire regulations. Provide UL approved fire extinguishers, and other fire fighting services and equipment except where more explicit requirements are specified as the responsibility of the individual sections.

.3 Maintain clear emergency exit paths for personnel.

.4 Use only fire resistant tarpaulins and similar protective covering on site.

.5 Ensure that volatile waste is stored in closed containers and removed from premises daily.

.6 Ensure that nothing subverts the integrity of fire protection provided for the building structure.

.7 Coordinate work of all sections so that they do not encroach on space required for fire protection and its installation. Ensure that fire protection damaged during construction is totally replaced.

.8 Reporting fires:

.1 Immediately report all fires in accordance with IWK Health Centre procedures.
1.3 OVERLOADING

.1 Ensure no part of work or existing structure is subject to loading that will endanger its safety or will cause permanent deformation.

1.4 WHMIS

.1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) Regulations regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of material safety data sheets acceptable to Labour Canada and Health and Welfare Canada.

1.5 ENVIRONMENTAL CONTROL

.1 Ensure that pollution and environmental control of construction activities are exercised as required during the work.

1.6 SUBMISSIONS

.1 Submit to the Architect within ten (10) days after notification of award of Contract or prior to commencement of work (whichever occurs first) printed information detailing means and methods so the following will be carried out:

.1 To ensure that health and safety of persons at or near the work.

.2 To ensure the measures and procedures of the regulatory agencies specified are carried out.

.3 To ensure every employee, self-employed person and employer performing work under this Contract complies with the regulatory agencies specified.

END OF SECTION
1 General

1.1 PRECONSTRUCTION MEETING

.1 Within seven (7) days after award of Contract, arrange a meeting between the Architect, Owner’s representative, Consultants, Contractors, Sub-Contractors, Project Superintendents, and representatives of others whose coordination is required during construction.

.2 Discuss at the meeting the means by which full cooperation and coordination of the participants during construction can be achieved.

.3 Document the responsibilities and necessary activities of the participants during construction as discussed and distribute to each participant.

.4 Establish procedures for maintenance and completion of project record drawings specified in Section 01700.

1.2 PROGRESS MEETINGS

.1 Invite representatives of the Owner and Project Consultants to attend bi-weekly site meetings called by the Contractor during the progress of the work or at the request of the Architect to discuss with his Sub-Contractor, project scheduling, document interpretation and completion.

.2 Inform the Owner and Architect of each meeting and of the proposed agenda a minimum of five (5) days before meeting.

.3 Call meetings within seven (7) days when requested by the Owner or Architect.

.4 Submit proposed schedule of site meetings to the Architect.

.5 Record, prepare and distribute minutes of each meeting to the Owner and to each other participant within one (1) week of the meeting.

.6 Ensure that all representative who attend meetings have the authority to conduct business on behalf of firms they represent.

END OF SECTION
1 General

1.1 GENERAL

.1 Make submittals specified in this section to the Architect unless otherwise specified, with additional submissions made, in manner he directs, to other parties involved with the construction of the project as their interests are concerned. These parties are, but shall not be restricted to, jurisdictional authorities, and Sub-Contractors whose work must be coordinated with work related to submittals.

.2 Ensure that submissions are made to allow sufficient time for review without the construction schedule being delayed.

1.2 DOCUMENT SUBMISSIONS REQUIRED

.1 At Commencement of Contract:

.1 Public liability and property damage insurance certificates.

.2 Fire insurance policy.

.3 List of Sub-Contractors by firm name.

.4 Construction schedule and other required schedules and estimates.

.5 Permits as required by the work.

1.3 CONSTRUCTION SCHEDULES

.1 Submit proposed construction schedule at beginning of project, as specified in Section 01010.

.2 As construction progresses, submit updated construction schedules each month to the Owner, to the Architect and to each Sub-Contractor who is included on schedule.

1.4 SHOP DRAWINGS

.1 Refer to the General Conditions of the Contract.
2 Submit shop drawings for which submission requirement is specified in other sections of this project manual. Include in final shop drawing submissions detailed information and installation instructions required for incorporation and connection of the work concerned.

3 With each submission, the Contractor shall indicate changes from the contract drawings and specifications that have been incorporated in the shop drawings. Review of such shop drawings incorporating changes shall not relieve the Contractor from responsibility for errors in the shop drawings, for changes made from the contract drawings and specifications which are not indicated or otherwise communicated in writing with the submission.

4 Shop drawing review by the Architect, or consultants is for the sole purpose of ascertaining conformance with the general design concept. The review shall not mean that the Architect or consultant approves the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor.

5 Show on Shop Drawings:
   1 Clear and obvious notes of any proposed changes from drawings and specifications.
   2 Schematics of control systems; specification sheets for all hardware; spec. Sheets on controllers, actuators, transmitters, recorders, gauges, indicators, etc.
   3 Detailed description of operation sequence.
   4 Mechanical and electrical characteristics when applicable.

6 The Contractor shall check, sign and make notations he considers necessary on shop drawings before each submission.

7 Only drawings noted for revision and re-submission need to be re-submitted.

8 Do not add new details or information to shop drawings after they have been finally reviewed, except when approval is given.

9 Do not proceed with work dependent on shop drawing information until approval is given and verification received.

10 File one (1) copy of each finally revised and corrected shop drawing at site.
1.5 COORDINATION DRAWINGS

.1 Prepare drawings to indicate coordination and methods of installation of a system with other systems where they are installed in the same area. Ensure that all details of equipment, apparatus and connections are coordinated.

1.6 RECORD DRAWINGS

.1 Record, as the work progresses, changes and deviations in the location of work concealed by the finished work, and such other approved changes that occur during progress of work, to ensure that an accurate record is provided for future maintenance and alterations.

.2 White prints will be provided by the Architect. Record changes in the work on these prints in red ink.

.3 Identify each record drawing as a “project record copy”. Maintain in good condition, do not issue for construction purposes and make available to the Architect at all times.

.4 Maintain in a state current to project. Such state will be considered a condition precedent for validation of applications for payment. The Architect’s visual inspection will constitute proof that record drawings are current.

.5 Submit record drawings at completion of work. Final acceptance of work will be predicated on receipt and approval of these documents.

1.7 AFFIDAVITS

.1 Submit affidavits which are required in other sections of the project manual.

1.8 MAINTENANCE MANUAL AND OPERATING INSTRUCTIONS

.1 Submit two (2) copies of maintenance manuals with application for completion certificate. Maintenance manual shall consist of shop drawings, product data, and “As-Built” drawings.

.2 Include in maintenance manual one (1) copy of each final approved shop drawing issued for project on which have been recorded changes made during fabrication and installation caused by unforeseen conditions.
.3 Submit extended guarantees together in one report binder.

.4 The Manuals shall:

.1 Consist of hard cover, black, vinyl-covered, loose leaf, letter size binder.

.2 Have a title sheet, or sheets preceding data on which shall be recorded project name, project number, date, list of contents, and Contractor’s and Sub-Contractor’s names.

.3 Be organized into applicable sections of work with each section separated by hard paper dividers with plastic covered tabs marked by section.

.4 Contain only typed or printed information and notes, and neatly drafted drawings.

.5 Contain maintenance and operating instructions on all building, mechanical and electrical equipment.

.6 Contain maintenance instructions.

.7 Contain brochures and parts lists on all equipment.

.8 Contain sources of supply for all proprietary products used in the work.

.9 Contain lists of supply sources for maintenance of all equipment in project of which more detailed information is not included above.

END OF SECTION
1.1 GENERAL

.1 This section specifies general requirements and procedures for Contractor’s submissions of shop drawings and product data to the Architect for review. Additional specific requirements for submissions are specified in individual sections.

.2 Do not proceed with work until relevant submissions are reviewed by the Architect.

.3 Contractor’s responsibility for errors and omissions in submission is not relieved by the Architect’s review of submissions.

.4 Notify Architect, in writing, at time of submission identifying deviations from requirements of Contract Documents stating reasons for deviations.

.5 Contractor’s responsibility for deviations from requirements of Contract Documents is not relieved by the Architect’s review of submission, unless the Architect gives written acceptance of specific deviations.

.6 Make any changes in submissions which the Architect may require consistent with the Contract Documents and re-submit as directed by the Architect.

.7 Notify the Architect, in writing, when re-submitting of any revisions other than those requested by the Architect.

1.2 SUBMISSION REQUIREMENTS

.1 Coordinate each submission with requirements of work and Contract Documents. Individual submissions will not be reviewed until all related information is available.

.2 Allow ten (10) days for Architect’s review of each submission.

.3 Accompany submissions with transmittal letter containing:

.1 Date.
.2 Project title and number.

.3 Contractor’s name and address.

.4 Identification and quantity of each shop drawing, product data and sample.

.5 Other pertinent data.

.4 Submissions shall include:

.1 Date and revision dates.

.2 Project title and number.

.3 Name and address of:

.1 Sub-Contractor.

.2 Supplier.

.3 Manufacturer.

.4 Contractor’s stamp, signed by Contractor’s authorized representative certifying approval of submissions, verification of field measurements and compliance with Contract Documents.

.5 Details of appropriate portions of work as applicable.

.1 Fabrication.

.2 Layout, showing dimensions, including identified field dimensions and clearances.

.3 Setting or erection details.

.4 Capacities.
.5 Performance characteristics.

.6 Standards.

.7 Operating weight.

.8 Wiring diagrams.

.9 Single line and schematic diagrams.

.10 Relationship to adjacent work.

.5 After Architect’s review, distribute copies.

1.3 SHOP DRAWINGS

.1 Shop drawings: original drawings or modified standard drawings provided by Contractor, to illustrate details of:

.1 Portions of work, which are specific to project requirements.

.2 Maximum sheet size: 34" x 42".

.3 Submit shop drawings as follows:

.1 PDF format or paper print - three (3) copies.

.4 Cross-reference shop drawing information to applicable portions of Contract Documents.

1.4 PRODUCT DATA

.1 Product data: manufacturer’s catalogue sheets, brochures, literature, performance charts and diagrams, used to illustrate standard manufactured products.

.2 Submit eight (8) copies of product data.

.3 Sheet size: 8-1/2" x 11" maximum of thee modules.
.4 Delete information not applicable to project.

.5 Supplement standard information to provide details applicable to project.

.6 Cross-reference product data information to applicable portions of Contract Documents.

END OF SECTION
Part 1  General

1.1  SECTION INCLUDES

   .1  Safety requirements and adherence.

1.2  RELATED SECTIONS

   .1  Section 01030 - Special Project Procedures.

   .2  Section 01300 - Submittal Procedures.

   .3  This section describes requirements applicable to all Sections within Divisions 02 to 49.

1.3  REFERENCES


   .2  Canada Labour Code

   .3  Nova Scotia Occupational Safety General Regulations.

   .4  Government of Nova Scotia, Occupational Health and Safety Knowledge Base

      .1  Removal of Friable Asbestos Containing Materials: Code of Practice

   .5  Province of Nova Scotia Occupational Health and Safety Act, Workplace Hazardous Materials

      Information System (WHMIS) Regulations O.I.C. 88-987, N. S. Reg. 196/88 as amended by

      O.I.C. 89-529 N.S. Reg.

1.4  SUBMITTALS

   .1  Develop and submit written site-specific Health and Safety Plan based on hazard assessment

      prior to commencing any site work and continue to implement, maintain, and enforce plan until

      final demobilization from site. Health and Safety Plan must address project specifications.

   .2  Contractor shall keep on site all current Material Safety Data Sheets (MSDS), no older than

      three years, for all controlled products to be used on the Project.

   .3  Contractor shall submit to Client Representative copies of all project safety meetings.

   .4  Contractor shall submit to Client Representative incident reports for each near miss

      occurrence and accident reports for injuries requiring medical attention.

   .5  As a project close-out submission, the Contractor shall submit to Client Representative current

      MSDS for any controlled products that will remain on site for ongoing operations and/or

      maintenance.
1.5 **REGULATORY REQUIREMENTS**

1. Conform to Occupational Health and Safety legislation applicable to the Place of Work.

2. Comply with specified standards and federal, provincial and municipal regulations to ensure safe operations at work site and other areas occupied by Contractor.

3. Comply with specified standards and regulations to ensure safe operations at site containing hazardous or toxic materials.

4. Comply with the most stringent of either the IWK’s or Contractor’s safety programs, plans and safe operating procedures.

1.6 **GENERAL REQUIREMENTS**

1. Develop written site specific Health and Safety Plan and Procedures and submit for review by the Owners environmental consultant prior to commencement of any Work on site and continue to implement, maintain and enforce plan until final demobilization.

1.7 **CONTRACTOR’S SAFETY PLAN**

1. Contractor’s Safety policies, procedures and codes of practice must be in compliance with current federal and provincial Occupational Health and Safety Acts and Regulations.

2. Contractors must have COR (Certificate of Recognition) as issued by Nova Scotia Construction Safety Association or other recognized safety program auditing system.

3. The importance of safety awareness in the Contractor’s corporate philosophy cannot be understated. IWK’s approach is simple: substandard conditions and substandard practices will not be tolerated.

4. All Contractor’s subtrades must attend a pre-construction safety meeting with the Contractor prior to commencing work on site. The Contractor’s site specific Health and Safety Plan must be reviewed with all the subtrades who work on the site.

5. All Contractor personnel must attend an on-site orientation before entering the site. This orientation is effective for a 1 year period before it must be repeated.

6. Basic personal and protective equipment consists of a CSA/ANSI Class ‘B’ or Class ‘E’ (as specified by regulation) industrial hard hat. Safety boots with CSA “Green Triangle” and a minimum of 6” height for ankle protection. Long pants and t-shirts with sleeves are also the minimum; muscle shirts and shorts are not allowed. Safety Glasses to meet CSA Standard Z94.3-02 Class 1A at a minimum. Reflective tear-away safety vests must be worn when working around moving equipment. CSA approved steel-toed running shoes do not comply as adequate footwear.
<table>
<thead>
<tr>
<th>Section 01352</th>
<th>HEALTH, SAFETY AND ENVIRONMENTAL FOR CONSTRUCTION</th>
<th>January 2015</th>
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<tbody>
<tr>
<td>.7</td>
<td>Hard hats, safety boots and safety glasses must be worn at all times while on this project. Hearing protection, respiratory protection and hazmat suits must be used where hazards to eyes, ears, respiratory tract or other exposure exists.</td>
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<td>.8</td>
<td>A fall arrest system must be used where a worker is exposed to the hazard of falling from a work area that is 3 metres or more above the nearest safe work surface, or a surface or object that could cause injury to the person on contact.</td>
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<td>.9</td>
<td>Where a Contractor’s worker is required to remove a guardrail or protective covering and is exposed to a fall hazard, the worker must first be protected against falling by the use of fall arrest equipment. If the area is to be left unattended for any period or reason or upon completion of the task, the guardrail or covering must be replaced in securely fastened manner.</td>
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<td>.10</td>
<td>Contractors are required to conduct their own weekly safety talks and submit documentation to IWK’s safety representative.</td>
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<td>.11</td>
<td>Where a Joint Health and Safety Committee is formed, all Subtrades must supply representation.</td>
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<td>.12</td>
<td>In order for the IWK to investigate all near miss occurrences and accidents, Contractors must submit to Client Representative near miss and accident reports for any near miss occurrence and injuries requiring medical attention (medical aid or lost time injuries) within one working day of the near miss or accident.</td>
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<td>.13</td>
<td>Each Contractor is required to supply their own stocked first aid kit(s) and have sufficient personnel trained to administer first aid on site at all times. (Minimum one first aid trained designate for every 20 workers.)</td>
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<td>.14</td>
<td>As required by WHMIS legislation, Contractors must provide current MSDS no older than three years, for all controlled products to be used on project. All workers must be trained in WHMIS and the use of MSDS, and submit documentation during orientation or they will not be allowed to be on site.</td>
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<td>.15</td>
<td>Contractor to provide charged fire extinguishers (minimum Class A, B, C) in all site office and storage trailers and be clearly visible and readily available where any flame soldering, cutting or welding is part of the operation. Fire extinguisher tags shall be present and shall certify that the fire extinguisher is charged and operational.</td>
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<tr>
<td>.16</td>
<td>Contractors must keep their work areas must be kept clean and free from scrap and reusable materials including coffee cups and lunch garbage. Unclean areas are substandard and pose a fire and injury hazard.</td>
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<tr>
<td>.17</td>
<td>Contractors are responsible to ensure that all visitors, inspectors, service personnel or delivery people visiting them, meet the minimum requirement for personal protective equipment prior to entering the project site. All site visitors must be escorted by Contractor’s personnel. A brief visitor orientation must be provided by the Contractor prior to the visitor accessing the site.</td>
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</tbody>
</table>
.18 Contractors will be held completely responsible for ensuring their employees fully comply with the Canada Labour Code, Nova Scotia Occupational and Safety Act and Regulations, and the Contractor’s Site Specific Safety Plan.

.19 The Contractor’s Site Specific Health and Safety Plan is to include, but is not limited to, the following items:

.1 A description of the project/work.
.2 An analysis of the project/work from a health and safety perspective.
.3 A description of the number of trades involved, number of individuals and number of crews, equipment and materials to be used.
.4 A step by step description of the work procedures and tools that will be used for each activity.
.5 Information on the control measures that will be used
.6 Method of maintaining separation between clean and dirty areas
.7 Method of exhausting air from each room and providing make-up air without interfering with air movement to other work area.
.8 Method of completely isolating the dirty and clean areas and maintaining emergency exiting.
.9 Method of deconstructing any partitions, ceilings, etc.
.10 Method of removing any asbestos elbows, insulation or fire protection from area and out of the building.
.11 Method of removing tile adhesive ridges to provide suitable surface for new vinyl tile installation. Assume adhesive contains asbestos.
.12 Method of maintaining continuous removal of waste from building.
.13 Information on the safety measures that will be used
.14 A description of the responsibilities of the various workplace parties as they relate to the health and safety of the project/work
.15 Contingency plans for emergencies.
.16 Any other information that is relevant to the healthful and safe performance of the project/work

1.8 RESPONSIBILITY

.1 The Contractor is responsible for safety of persons and property on site and for protection of persons off site and the environment to whatever extent they may be affected by the conduct of the Work.

.2 The Contractor will comply and enforce compliance by employees, with safety requirements of Contract Documents, applicable federal, provincial and local statutes, regulations and ordinances and with the Contractor’s Site Specific Safety Plan.

.3 Perform Work in accordance with Section 01041 - Project Coordination and this section.
1.9 HAZARD COMMUNICATION REQUIREMENTS


.2 Comply with Canada Labour Code, Nova Scotia Occupational and Health Regulations.

.3 Maintain on site MSDS and documentation on any “hazardous” chemical that Contractor or Contractor Representatives plan to bring onto Site.

1.10 WORK STOPPAGE

.1 Precedence will be given to safety and health of public and site personnel and protection of environment over cost and schedule considerations of the Work.

.2 Assign responsibility and obligation to the Contractor, or the IWK’s Health and Safety Officer to stop or start Work at Health and Safety Officer’s discretion when it is necessary, or advisable, for reasons of health or safety.

1.11 UNFORESEEN HAZARDS

.1 Should any unforeseen or peculiar safety-related factor, hazard, or condition become evident during performance of Work, stop Work and immediately advise the Client Representative verbally and in writing. Do not commence work again until a safe operating procedure has been established that mitigates the risk.

Part 2 Products

2.1 NOT USED Part

3 Execution

3.1 EXECUTION

.1 Contractor will ensure that all work, including that performed by others under their supervision, undertaken for the IWK, conforms to the requirements of all municipal, provincial and federal by-laws, acts and regulations in matters of health, safety and environmental protection.

.2 A contract start-up meeting will be held before beginning any contract work. Safety will be a topic on the agenda and the IWK representative responsible for the purposes of the Policy will be identified.

.3 Contractor will perform a site hazard assessment and create a site specific health and safety plan. The purpose of the site hazard assessment is to identify potential risks of illness, injury or property damage associated with the contract work. The safety plan describes the steps and precautions which must be taken by the Contractor, Contractor’s subcontractor and their respective employees to avoid identified risks in the hazard assessment. The safety plan will be reviewed and updated by the Contractor as necessary and in particular when a person responsible for directing or performing the work identifies any deficiency in the existing safety
plan. The safety plan will be made available to everyone working on the site. The safety plan will be in accordance with all relevant IWK guidelines, policies and programs. A copy of the safety plan will be provided to the Client Representative and may be reviewed by the IWK’s environmental consultant prior to commencement of any Work .

.4 Every Contractor will assign responsibility for the safety of work undertaken by the Contractor and its sub-contractors to an employee. The employee who is assigned safety responsibilities will provide the Client Representative with copies of minutes of all safety meetings and safety inspections which deal with work carried out under the contract.

.5 The Contractor will ensure that all equipment used to perform work for the IWK is in safe working order, that all safety features are in good working order and that the equipment is maintained in this condition.

.6 The Contractor will ensure a current MSDS for all controlled substances to be used in the course of the contracted work, as defined in WHMIS legislation is kept at the worksite.

.7 The Contractor will maintain the worksite in a neat and safe manner. Upon completion of the Work, the Contractor will remove all equipment, supplies, debris, etc., from the property.

.8 Where a hazard cannot otherwise be controlled, the Contractor will ensure that its employees, and those of its subcontractors, have the appropriate personal protective equipment and that the equipment is worn when needed. Additionally, the Contractor will ensure that the appropriate safety precautions are in place to avoid injury or damage by the hazard to property, employees of the Contractor and its subcontractors, and members of the public.

.9 The contractor will provide a first aid attendant and supplies as appropriate to the nature of the work and the requirements of applicable legislative/regulatory requirements.

In the event of accident the contractor must contact IWK Protection Services 470-7070.

.10 The Contractor will promptly notify the Client Representative of any accident which resulted in or could have resulted in an injury or property damage. The Contractor will provide the IWK with a report of the incident and assist the IWK in any resulting investigation.

.11 In addition to this Policy, Contractor, Contractor’s sub-contractors, and their respective employees are required to adhere to IWK guideline, policies and programs which are applicable to the nature of their Work under their Contract and the University. The Contractors are responsible to review applicable guidelines, policies and programs and to educate their subcontractors and their respective employees prior to commencing work.

.12 There shall be no smoking on property owned or leased by the IWK.

END OF SECTION
1 General

1.1 GENERAL

.1 Products refer to materials, manufactured components and assemblies, fixtures and equipment incorporated in the work.

.2 Use only products of Canadian manufacture unless such products are not manufactured in Canada, are specified otherwise, or are not competitive.

.3 Products for use in the project and on which the tender was based shall be in production at that time, with a precise model and shop drawings available for viewing.

.4 Where equivalent products are specified, or where alternatives are proposed under “substitution of products”, these products claimed by the Contractor as equivalent shall be comparable in construction, type, function, quality, performance, as approved. Where specified equivalents are used in the tendered bulk sum price for the work, they shall be subject to final approval.

.5 Incorporate products in the work in strict accordance with manufacturer’s directions unless specified otherwise.

.6 Products delivered to the project site for incorporation in the work shall be considered the property of the Owner. Maintain protection and security of products stored on the site after payment has been made for them.

1.2 SPECIFIED PRODUCTS

.1 Products specified by manufacturer’s name, brand name or catalogue reference shall be the basis of the bid and shall be supplied for the work without exception in any detail, subject to allowable substitutions as specified.

.2 Where several proprietary products are specified, any one of the several will be acceptable.

1.3 SUBSTITUTION OF PRODUCTS DURING PROGRESS OF WORK

.1 Products substituted for those specified or approved, or both, shall be permitted only if the listed product cannot be delivered to maintain construction schedule and if the delay is caused by conditions beyond the Contractor’s control.
.2 Obtain approval for substitutions. Application for approval of substitutions shall be made only by the Contractor. Process proposals for substituted work in accordance with procedures established for changes in the work.

.3 Submit, with request for substitution, documentary evidence that substituted products are equal to, or superior to, approved products, and a comparison of price and delivery factors for both specified or approved products, and proposed substitute.

.4 Ensure that substituted products can be both physically and dimensionally incorporated in the work with no loss of intended function, performance, space or construction time, and that spare parts and service are readily available. The Contractor shall be responsible for any additional installation costs.

1.4 PRODUCT HANDLING

.1 Manufacture, pack, ship, deliver, and store products so that no damage occurs to structural qualities and finish appearance, not in any other way detrimental to their function or appearance, or both.

.2 Ensure that products, while transported, stored or installed, are not exposed to an environment which would increase their moisture content beyond the maximum specified.

.3 Schedule early delivery of products to enable work to be executed without delay. Before delivery, arrange for receiving at site.

.4 Deliver packaged products, and store until use, in original unopened wrapping or containers, with manufacturer’s seals and labels intact.

.5 Label packaged products to describe contents, quantity and other information as specified.

1.5 STORAGE AND PROTECTION

.1 Store products on site with secure protection against all harmful environmental conditions. Prevent damage, adulteration, staining and soiling of materials while stored.
.2 Store and handle flammable liquids and other toxic or hazardous materials in approved safety containers and as otherwise prescribed by safety authorities. Store no flammable liquids or other toxic and hazardous materials in bulk within the project.

1.6 DEFECTIVE PRODUCTS AND WORK

.1 Products and work found defective, not in accordance with the specifications, or defaced or injured through negligence of the Contractor, his employees or Sub-Contractors, or by fire, weather or any other cause will be rejected for incorporation in the work.

1.7 WORKMANSHIP

.1 Unless otherwise specified in a more detailed manner, workmanship shall be of the highest quality recognized by trade executing the work in accordance with standard practices, by the best methods recommended by the manufacturer of the products, and as approved by the Architect.

END OF SECTION
1 General

1.1 FINAL CLEANING

.1 In addition to requirements for cleaning up as specified in the General Conditions of the Contract, and in Section 01010, include in the work the final cleaning by skilled cleaning specialists on completion of construction.

.2 Remove temporary protections and make good defects before commencement of final cleaning.

.3 Maintain cleaning until the Owner has taken possession of project or portions thereof.

1.2 DEMONSTRATION OF SYSTEMS AND EQUIPMENT

.1 Give a complete demonstration of all systems and equipment in the presence of the Owner and Architect at the following times:

.1 When each is 100% completed at the request of the Contractor.

.2 At time of inspection to validate final completion.

.3 At final completion for the benefit of the maintenance staff for the project.

.2 Responsible personnel representing the Sub-Contractor responsible for the work being demonstrated shall be present at each demonstration.

1.3 SUBMITTALS

.1 Submit with application for completion certificate:

.1 As commissioned final control element calibration.

.2 Air balance report.

.3 Other reports required or specified.

.4 Maintenance manuals and operating instructions.
.2 Submit with application for release of holdback:

.1 Final project record drawings.

.2 Extra stock.

.3 Statements on forms supplied by the Owner from each Sub-Contractor listed on the tender form, stating that each has been paid in full for its work performed under this Contract.

4. Completed liability insurance policy extended for one (1) year from take-over date.

.5 Written guarantee covering all workmanship and materials used in the work.

.6 Maintenance bonds as specified.

.7 Certificate from Workers’ Compensation Board.

.8 Certificate from Health Services Tax Division.

1.4 FINAL INSPECTIONS AND CLOSE-OUT

.1 Schedule, make arrangements for and administer final inspections and close-out in the following stages.

.2 Inspection by Contractor to determine completion of work:

.1 Determination that project meets requirements for final inspection is the responsibility of the Contractor.

.2 The Contractor together with Sub-Contractors involved shall inspect the work and record and deficiencies.

.3 Final inspection:

.1 The Contractor shall inspect the work to establish its completion in accordance with the Contract Documents, and when satisfied of its completion request of the Architect a final inspection.
.2 Final inspections shall be scheduled to begin within eight (8) working days of the Contractor’s request.

.3 The Contractor will compile final deficiency lists at these inspections and issue them to the Architect and the Owner.

.4 The Contractor shall correct final deficiencies before a date agreed upon by the Contractor and the Architect.

.5 When the Contractor has satisfied himself that these corrections have been completed in a satisfactory manner by his inspection, he shall schedule a final Contractor’s inspection by the Architect, and the Owner’s representatives if required, within five (5) working days of the Contractor’s request.

.6 Upon the Architect’s approval of completion, the Contractor shall submit an application for a completion certificate.

.4 Substantial Performance:

.1 The Architect will issue a substantial performance certificate when he is satisfied that outstanding deficiencies noted during inspections have been corrected and the work is completed to meet the criteria of the Builder’s Lien Act.

.2 The date of the substantial performance certificate will commence the required sixty (60) day period before release of holdback. If there are outstanding deficiencies or uncompleted work remaining at the end of the 60 days then a 2.5% Lien Holdback plus a Deficiency Holdback may be retained until all work is completed.

.5 Certificate for Release of Holdback:

.1 The Architect will issue to the Owner a certificate for release of holdback sixty (60) days after date of the substantial performance certificate completion providing he is satisfied the work has been completed.

.6 Establishment of Warranties: warranties shall commence on date of completion certificate.
.7 Warranty period:

.1 The Owner will advise the Architect of defects observed during warranty periods.

.2 The Architect will notify the Contractor of these defects and request him to remedy the defects in accordance with the Contract Documents.

.3 Thirty (30) days before expiration of warranties, the Owner’s representatives, the Architect, and the Contractor will inspect the work as arranged by the Contractor noting defects of products and workmanship.

.4 The Contractor shall immediately remedy such noted defects.

END OF SECTION
1 General

1.1 REFERENCES

.1 Canadian Standards Association (CSA).

1.2 EXISTING CONDITIONS

.1 Demolition to be based on the condition of the site at time of examination prior to tendering.

.2 Remove, protect and store salvaged items, if any, as directed by Owners representative.

1.3 DEMOLITION DRAWINGS

.1 Where required by authorities having jurisdiction, submit for approval drawings, diagrams or details showing sequence of demolition work and any temporary modification or services to remain.

1.4 PROTECTION

.1 Prevent movement, settlement or damage of adjacent parts of existing building. Repair damage caused by demolition as directed by Owners representative.

.2 Support affected structures and, if safety of structure being demolished or services appears to be endangered, cease operations and notify Owners representative.

.3 Prevent debris from blocking drainage system, elevators, mechanical and electrical systems which must remain in operation.

2 Products

3 Execution

3.1 SAFETY CODE

.1 Do demolition work in accordance with all applicable codes and by-laws.
3.2 DEMOLITION

.1 Demolish parts of interior construction as shown on drawings and specified herein.

.2 At end of each day's work, leave work in safe and stable condition.

.3 Demolish to minimize dusting. Keep materials wetted as directed by Owners representative.

.4 Remove and dispose of demolished materials except where noted otherwise and in accordance with authorities having jurisdiction.

.5 Environmental:

  .1 Remove contaminated or dangerous materials as defined by authorities having jurisdiction, relating to environmental protection, from site and dispose of in safe manner to minimize danger at site or during disposal.

END OF SECTION