

1 DESCRIPTION  
OF WORK

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- .1 In general, work under this contract consist of:
- .1 Electrical Life Cycle replacements of select electrical equipment including: power factor capacitors and secondary transformers.
  - .2 Replacement of select electrical feeders and miscellaneous distribution equipment related to the above.
  - .3 Miscellaneous works required for the above.
  - .4 All other works identified in the drawings and specification.
  - .5 The NAFC has known drywall joint compound asbestos concerns in some areas of the building. If the replacement of any electrical component requires the resizing/cutting of an opening in a drywall partition the contractor is to refer to the NAFC Asbestos Management Plan and contact the Departmental Representative before proceeding with that work.
- .2 Site of Work is at the Northwest Atlantic Fisheries Centre, White Hills Road, St. John's, NL.
- .3 The existing secondary transformers are to be taken out of service and removed in such a way that they are not to be rendered unusable or damaged. The existing secondary transformers are to remain on site (near their current locations) for a period of two weeks past the commissioning date such that in the event that a problem or failure occurs, with a new secondary transformer, the existing secondary transformer can be reinstalled until a replacement can be sourced or installed by the Contractor. At the end of the retention period, remove the transformers in accordance with the drawings and specifications. The Contractor is to coordinate the removal with the Departmental Representative. Extend the retention period as directed by the Departmental Representative.

2 FAMILIARIZATION  
WITH SITE

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- .1 Before submitting a bid, it is recommended that bidders visit the site to review and verify the form, nature and extent of the work, materials needed, the means of access and the temporary facilities required to perform the Work.
- .2 Obtain prior permission from the Departmental Representative before carrying out such site inspection.
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| <u>3 CODES AND STANDARDS</u>         | .1 | Perform work in accordance with the National Building Code of Canada (NBC), the Fire Code of Canada (NFC) and NFPA 101 Life Safety Code, and any other code of provincial or local application, including all amendments up to bid closing date, provided that in any case of conflict or discrepancy, the more stringent requirement shall apply. |
|                                      | .2 | Materials and workmanship must meet or exceed requirements of specified standards, codes and referenced documents.   |
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| <u>4 INTERPRETATION OF DOCUMENTS</u> | .1 | For Federal Government projects, Division 01 Sections take precedence over technical specification sections in other Divisions of this Project Manual.   |
| <br>                                 |    |  |
| <u>5 TERM ENGINEER</u>               | .1 | Unless specifically stated otherwise, the term Engineer where used in the Specifications and on the Drawings shall mean the Departmental Representative as defined in the General Conditions of the Contract.  |
| <br>                                 |    |  |
| <u>6 COST BREAKDOWN</u>              | .1 | Before submitting first progress claim submit breakdown of Contract Amount in detail as directed by the Departmental Representative and aggregating contract amount. Required forms will be provided for application of progress payment.  |
|                                      | .2 | List items of work numerically following the same division/section number system of the specification manual and thereafter sub-divide into major work components and building systems as directed by the Department Representative.   |
|                                      | .3 | Upon approval, cost breakdown will be used as basis for progress payment.  |
| <br>                                 |    |  |
| <u>7 DOCUMENTS REQUIRED</u>          | .1 | Maintain at job site, one (1) copy each of the following:<br>.1 Contract Drawings.<br>.2 Specifications.<br>.3 Addenda and amendments.<br>.4 Reviewed Shop Drawings.<br>.5 List of outstanding shop drawings.<br>.6 Change Orders.<br>.7 Other modifications to Contract.<br>.8 Field Test Reports.  |
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7 DOCUMENTS  
REQUIRED  
(Cont'd)

- .1 (Cont'd)
- .9 Copy of Approved Work Schedule.
- .10 Health and Safety Plan and other safety related documents.
- .11 Other documents as stipulated elsewhere in the Contract Documents.

8 PERMITS

- .1 In accordance with the the General Conditions, obtain and pay for building permit, certificates, licenses and other permits as required by municipal, provincial and federal authorities.
- .2 Provide appropriate notifications of project to municipal and provincial inspection authorities.
- .3 Obtain compliance certificates as prescribed by legislative and regulatory provisions of municipal, provincial and federal authorities as applicable to the performance of work.
- .4 Submit to Departmental Representative a copy of application forms and approval documents received from above referenced authorities.

9 ALTERATIONS,  
ADDITIONS OR  
REPAIRS TO EXISTING  
BUILDING

- .1 Execute work with least possible interference or disturbance to building operations, occupants, public and normal use of premises. Arrange with Departmental Representative to facilitate execution of work.
- .2 Where security has been reduced by work of Contract, provide temporary means to maintain security.
- .3 Where elevators, exist in building, only those assigned for Contractor's use may be used for moving workers and material within building. Protect walls of passenger elevators, to approval of Departmental Representative prior to use. Accept liability for damage, safety of equipment and overloading of existing equipment.
- .4 Provide temporary dust screens, barriers, warning signs in locations where renovation and alteration work is adjacent to areas which will be operative during such work.

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| <u>10 ROUGHING-IN</u>                           | .1 | Be responsible for obtaining manufacturer's literature and for correct roughing-in and hook-up of equipment, fixtures and appliances.   |
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| <u>11 CUTTING,<br/>FITTING AND<br/>PATCHING</u> | .1 | Confirm cutting and patching required by all trades is included in total bid amount submitted for the Work.   |
|   | .2 | Execute cutting, fitting and patching required to make work fit properly.   |
|   | .3 | Where new work connects with existing and where existing work is altered, cut, patch and make good to match existing work. This includes patching of openings in existing work resulting from removal of existing services. |
|   | .4 | Do not cut, bore, or sleeve load-bearing members, except where specifically approved by Departmental Representative.  |
|   | .5 | Make cuts with clean, true, smooth edges. Make patches inconspicuous in final assembly.   |
|   | .6 | Fit work airtight to pipes, sleeves ducts and conduits.   |
| <br>  |    |   |
| <u>12 CONCEALMENT</u>                           | .1 | Conceal pipes, ducts and wiring in floor, wall and ceiling construction of finished areas except where indicated otherwise.   |
| <br>  |    |   |
| <u>13 LOCATION OF<br/>FIXTURES</u>              | .1 | Location of equipment, fixtures and outlets, shown or specified shall be considered as approximate. Actual location shall be as required to suit conditions at time of installation and as is reasonable.                   |
|   | .2 | Locate equipment, fixtures and distribution systems to provide minimum interference and maximum usable space and in accordance with manufacturer's recommendations for safety, access and maintenance.                      |
|   | .3 | Inform the Departmental Representative when impending installation conflicts with other new or existing components. Follow directives for actual location.  |
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13 LOCATION OF  
FIXTURES  
(Cont'd)

- .4 Submit field drawings to indicate relative position of various services and equipment when required by the Departmental Representative.

14 EXISTING  
SERVICES

- .1 Where work involves breaking into or connecting to existing services, carry out work at times directed by governing authorities, with minimum of disturbance to tenant operations.
- .2 Before commencing work, establish location and extent of service lines in area of work and notify the Departmental Representative of findings.
- .3 Submit schedule to and obtain approval from the Departmental Representative for any shut-down or closure of active service or facility. This includes disconnection of electrical power and communication services to tenant's operational areas. Adhere to approved schedule and provide notice to affected parties.
- .4 Provide temporary services, when directed by the Departmental Representative, to maintain critical building and tenant systems.
- .5 Provide adequate bridging over trenches which cross sidewalks or roads to permit normal traffic.
- .6 Where unknown services are encountered, immediately advise the Departmental Representative and confirm findings in writing.
- .7 Protect, relocate or maintain existing active services as required. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction over service. Record locations of maintained, re-routed and abandoned service lines.

15 BILINGUAL  
NOTATIONS

- .1 Any items supplied and installed under this contract which have operating instructions on them such as door hardware, washroom accessories, push button activation controls powered hand dryers, mechanical equipment such as water coolers, etc., and which can be expected to be used by the public and building tenants, must have such operating instructions in bilingual format - English and French.

15 BILINGUAL  
NOTATIONS  
(Cont'd)

- .2 Factory embossed or recessed symbols illustrating equipment operation is an acceptable alternate to lettering.
- .3 Items supplied with factory - embossed or recessed lettering in one official language with an applied sticker or decal representing the second official language is not acceptable unless the Departmental Representative gives prior approval before any such items are ordered.
- .4 No extra costs will be paid for re-stocking or re-ordering of materials and equipment due to Contractor's failure to fully meet bilingual signage requirements specified herein.
- .5 Confirm all trades are made aware of above requirements.

16 BUILDING  
SMOKING  
ENVIRONMENT

- .1 Comply with smoking restrictions.

17 ASBESTOS  
DISCOVERY

- .1 Demolition of spray or trowel-applied asbestos can be hazardous to health. Should material resembling spray or trowel-applied asbestos be encountered in course of work, stop work and notify Departmental Representative immediately. Do not proceed with relevant work until written instructions have been received from the Departmental Representative.