

**Part 1            General**

**1.1                INSTALLATION AND REMOVAL**

- .1    Provide temporary utilities controls in order to execute work expeditiously.
- .2    Remove from site all such work after use.

**1.2                WATER SUPPLY**

- .1    The City of Winnipeg will make available, for the extent that it is available, a supply of potable water for construction use at no charge to the Contractor.
- .2    Arrange for connection with appropriate utility company and pay costs for installation, maintenance and removal.
- .3    The Contractor shall provide all necessary hoses, lines, connections, and other ancillary hardware which may be required.
- .4    The services are to be returned to their original condition at the temporary locations, or left in an altered condition only as approved by the City of Winnipeg.

**1.3                TEMPORARY HEATING AND VENTILATION**

- .1    Provide temporary heating required during construction period, including attendance, maintenance and fuel.
- .2    Construction heaters used inside building must be vented to outside or be flameless type. Solid fuel salamanders are not permitted.
- .3    Provide temporary heat and ventilation in enclosed areas as required to:
  - .1    Facilitate progress of Work.
  - .2    Protect Work and products against dampness and cold.
  - .3    Prevent moisture condensation on surfaces.
  - .4    Provide ambient temperatures and humidity levels for storage, installation and curing of materials.
  - .5    Provide adequate ventilation to meet health regulations for safe working environment.
- .4    Maintain temperatures of minimum 10 degrees Celsius in areas where construction is in progress.
- .5    Ventilating:
  - .1    Prevent accumulations of dust, fumes, mists, vapours or gases in areas occupied during construction.
  - .2    Provide local exhaust ventilation to prevent harmful accumulation of hazardous substances into atmosphere of occupied areas.
  - .3    Dispose of exhaust materials in manner that will not result in harmful exposure to persons.
  - .4    Ventilate storage spaces containing hazardous or volatile materials.
  - .5    Ventilate temporary sanitary facilities.

- .6 Continue operation of ventilation and exhaust system for time after cessation of work process to assure removal of harmful contaminants.
- .6 Permanent heating system of building, may be used for heating. Be responsible for damage to heating system if use is permitted.
- .7 The City of Winnipeg will pay utility charges when temporary heat source is existing building equipment.
- .8 Maintain strict supervision of operation of temporary heating and ventilating equipment to:
  - .1 Conform with applicable codes and standards.
  - .2 Enforce safe practices.
  - .3 Prevent abuse of services.
  - .4 Prevent damage to finishes.
  - .5 Vent direct-fired combustion units to outside.
- .9 Be responsible for damage to Work due to failure in providing adequate heat and protection during construction.

**1.4 TEMPORARY POWER AND LIGHT**

- .1 The City of Winnipeg will make available, for the extent that it is available, temporary power during construction for temporary lighting and operating of power tools to a maximum supply of 230 volts 30 amps.
- .2 Connect to existing power supply in accordance with Canadian Electrical Code.
- .3 Arrange for connection with appropriate utility company. Pay costs for installation, maintenance and removal.
- .4 Temporary power for equipment requiring in excess of that available on-site is responsibility of the Contractor.
- .5 Provide and maintain temporary lighting throughout project.

**1.5 TEMPORARY COMMUNICATION FACILITIES**

- .1 Provide and pay for cellular telephone for site superintendent and use of Contract Administrator.

**1.6 FIRE PROTECTION**

- .1 Provide and maintain temporary fire protection equipment during performance of Work required by insurance companies having jurisdiction and governing codes, regulations and bylaws.
- .2 Burning rubbish and construction waste materials is not permitted on site.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3**            **Execution**

**3.1**                **NOT USED**

.1                  Not Used.

**END OF SECTION**