

**Part 1 General****1. RELATED SECTIONS**

- .1 Section 01 35 29 06 Health and Safety Requirements
- .2 Section 01 14 25 Designated Substance Report (DSR)

**2. MINIMUM STANDARD**

- .1 Materials shall be new and work shall conform to the minimum applicable standards of the Canadian General Standards Board, the Canadian Standards Association, the National Building Code of Canada 2015 (NBC) and all applicable Provincial and Municipal codes. In the case of conflict or discrepancy the most stringent requirement shall apply.

**3. TAXES**

- .1 Pay all taxes properly levied by law.

**4. FEES, PERMITS AND CERTIFICATES**

- .1 Pay all fees and obtain all permits. Provide authorities with plans and information for acceptance certificates. Provide inspection certificates as evidence that work conforms to requirements of Authority having jurisdiction.

**5. FIRE SAFETY REQUIREMENTS**

- .1 Comply with the National Building Code of Canada 2015(NBC) for fire safety in construction and the National Fire Code of Canada 2010(NFC) for fire prevention, firefighting and life safety in building in use.
- .2 The National Fire Code (NFC):
  - .1 The on-going maintenance and use of the fire safety and fire protection features incorporated in buildings.
  - .2 The conduct of activities that might cause fire hazards in and around buildings.
  - .3 Limitations on hazardous contents in and around buildings.
  - .4 The establishment of fire safety plans.
  - .5 Fire safety at construction and demolition sites.
- .3 Welding and cutting:
  - .1 At least 48 hours prior to commencing cutting, welding or soldering procedure, provide to Departmental Representative:
    - .1 Notice of intent, indicating devices affected, time and duration of isolation or bypass.
    - .2 Completed welding permit as defined in NBC.
    - .3 Return welding permit to Departmental Representative immediately upon completion of procedures for which permit was issued.
    - .4 A fire watcher as described in NBC shall be assigned when welding or cutting operations are carried out in areas where combustible materials within 10m may be ignited by conduction or radiation.

- .4 The plant will be responsible to hire manufacturer or their representative of the existing fire alarm system to ensure all work on alarms such as by-pass etc are properly performed as required.

## 6. **FIELD QUALITY CONTROL**

- .1 Carry out Work using qualified licenced workers or apprentices in accordance with Provincial Act respecting manpower vocational training and qualification.
- .2 Permit employees registered in Provincial apprenticeship program to perform specific tasks only if under direct supervision of qualified licenced workers.
- .3 Determine permitted activities and tasks by apprentices, based on level of training attended and demonstration of ability to perform specific duties.

## 7. **HAZARDOUS MATERIALS**

- .1 Comply with the requirements of the Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and the provision of Material Safety Data Sheets (MSDS) acceptable to Ontario regulations R.R.O. 1990, Reg. 860
- .2 For work in occupied buildings give the Departmental Representative 48 hours notice for work involving designated substances.
- .3 Contractor to ensure equipment is properly locked out prior to commencing of work. Notify Departmental Representative 48 hours that a lock out is required.

## 8. **TEMPORARY UTILITIES**

- .1 Existing services required for the work may be used by the Contractor without charge. Ensure capacity is adequate prior to imposing additional loads. Connect and disconnect at own expense and responsibility.
- .2 Notify the Departmental Representative and utility companies of intended interruption of services, obtain requisite permission.
- .3 Give the Departmental Representative 5 days notice related to each necessary interruption of any mechanical or electrical service throughout the course of the work. Keep duration of these interruptions to a minimum. Carry out all interruptions after normal working hours of the occupants, preferably on weekends.

## 9. **REMOVED MATERIAL**

- .1 Unless otherwise specified, materials for removal become the Contractor's property and shall be taken from site.

## 10. **PROTECTION**

- .1 Protect finished work against damage until take- over.
- .2 Protect adjacent work against the spread of dust and dirt beyond the work areas.

- .3 Protect operatives and other users of site from all hazards.

#### 11. **USE OF SITE AND UTILITIES**

- .1 Execute work with least possible interference or disturbance to the normal use of premises. Make arrangements with Departmental Representative to facilitate work as stated. Refer to article 1.22 Scheduling below for work that must be done during "off hours".
- .2 Maintain existing services to building.
- .3 Contractor may use elevators at Departmental Representative's discretion. Protect from damage, safety hazards and overloading of existing equipment.
- .4 Contractor to provide its own sanitary facilities.
- .5 Closures: Protect work temporarily until permanent enclosures completed.
- .6 Contractor to arrange and pay for its own parking. Parking at the site is not available.
- .7 Access to the site is available for material and tool drop offs. Arrange for delivery time and date with Departmental Representative 48 hours prior to scheduled delivery.

#### 12. **SITE STORAGE**

- .1 The Departmental Representative will assign storage space, which shall be equipped and maintained by the Contractor.
- .2 Do not unreasonably encumber site with materials or equipment.
- .3 Move stored products or equipment, which interfere with operations of Departmental Representative or other contractors.
- .4 Obtain and pay for use of additional storage or work areas needed for operations.

#### 13. **CUT, PATCH AND MAKE GOOD**

- .1 Cut existing surfaces as required to accommodate new work.
- .2 Remove all items so shown or specified.
- .3 Patch and make good surfaces cut, damaged or disturbed, to Departmental Representative's approval. Restore original conditions, colour, finish and texture.

#### 14. **EXAMINATION**

- .1 Examine site and conditions likely to affect work and be familiar and conversant with existing conditions.

- .2 Permission is required prior to take photos inside the plant. Request shall be made to the plant superintendent or his substitute.  
Provide photographs of surrounding properties, objects and structures liable to be damaged or be the subject of subsequent claims.
15. **SIGNS**
  - .1 Provide common-use signs related to information, instruction, use of equipment, public safety devices, etcetera, in both official languages or by the use of commonly-understood graphic symbols to the Departmental Representative's approval.
  - .2 No advertising will be permitted on this project.
16. **ACCESS AND EGRESS**
  - .1 Design, construct and maintain temporary "access to" and "egress from" work areas and in accordance with relevant municipal, provincial and other regulations.
17. **SCAFFOLDS AND WORK PLATFORMS**
  - .1 Design, install, and inspect scaffolds and work platforms required for work in accordance with relevant municipal, provincial and other regulations.
18. **GUARANTEES AND WARRANTIES**
  - .1 Before completion of work collect all manufacturer's guarantees and warranties and deposit with Departmental Representative.
19. **CLEAN UP**
  - .1 As per Section 01 74 11 Cleaning
20. **SECURITY CLEARANCES**
  - .1 All personnel employed on this project will be subject to security check.
  - .2 All personnel engaged in the execution of the work shall have the requisite security clearance prior to the commencement of on-site activities.
  - .3 Within 10 working days of the upon award of the contract, the Contractor shall prepare and submit the requisite forms, provided by the Departmental Representative, for each employee and sub-contractor employee to be engaged in the work. The Contractor shall mobilize on site, only once the security clearance has been granted.
  - .4 The Contractor should batch the submissions, based on priority of work on site and allow a reasonable processing time in the project schedule for the clearance process to occur.
  - .5 Delays resulting from the Contractor's inability to submit the fully completed requisite form in a timely manner will not be reason for an extension to the project schedule or additional compensation.
  - .6 No escort required. Working outside the normal working hours will be allowed when a after-hours work permit is issued by the plant staff.

Contractor's personnel engaged in the work outside the normal working hours of Monday to Friday, 07:00 to 15:30.

- .7 The Contractor shall give the Departmental Representative 72 hours' notice for work to be carried out during periods outside of normal working hours.

21. **BUILDING SMOKING ENVIRONMENT**

- .1 Smoking is not permitted in the Building. Obey smoking restrictions on building property.

22. **SCHEDULING**

- .1 On award of contract submit bar chart construction schedule for work, indicating anticipated progress stages within time of completion. When schedule has been reviewed by the Departmental Representative, take necessary measures to complete work within scheduled time. Do not change schedule without notifying Departmental Representative.

23. **WASTE MANAGEMENT**

- .1 As per Section 01 74 21 Construction Demolition Waste Management and Disposal

24. **PRECEDENCE**

- .1 For Federal Government projects, Division 01 Sections take precedence over technical specification sections in other Divisions of this Project Manual.

25. **CORRESPONDENCES**

- .1 Other than the Tender response and all signed documents all correspondences to be electronic only; no fax or hard copies will be accepted.

26. **O&M REVIEW**

- .1 Initial Review of O&M manuals shall take place 2 weeks prior to Substantial Completion or training.

**Part 2 Products**

**2.1 NOT USED**

1. Not Used.

**Part 3 Execution**

**3.1 NOT USED**

1. Not Used.

**END OF SECTION**