

**DIVISION 01 - GENERAL REQUIREMENTS**

**PART 1- GENERAL**

**1.1 GENERAL REQUIREMENTS**

- .1 The Instructions to Bidders, the General Conditions of CCDC 2 - 1994, Supplementary Conditions and all Sections of Division 01 apply to and form part of this section of the specification.

**1.2 GENERAL**

- .1 Accept responsibilities for all temporary structures and comply with applicable rules and regulations. Pay all taxes.
- .2 The expression "provide" shall be deemed to include the provision, installation and finishing, maintenance, servicing and removal of the work described. All work damaged by temporary installations shall be repaired and made good at no extra cost to the Owner.
- .3 Keep site clean and orderly during construction to the satisfaction of the Architect.

**1.3 TRAFFIC CONTROL AND SECURITY**

- .1 Provide necessary traffic control and security personnel as required for the safe performance of the Contract and security of the premises and the site.
- .2 Conform to the requirements of the local authority.
- .3 Conform to requirements of insurance companies providing coverage for this contract.
- .4 Security must be maintained at all times during construction to the satisfaction of the Project Manager, and Transit Manager.

**1.4 CONTRACTOR'S SITE OFFICE**

- .1 A designated area will be assigned for the contractors use at the preconstruction meeting.
- .2 Provide telephone and facsimile machine in Contractor's area. Pay telephone is not acceptable.
- .3 Maintain in contractors assigned area at all times, one bound set of drawings and Specifications, all addenda, Proposed Change, Site Instructions, Shop Drawings, Progress Reports, Meeting Diary, Hardware Schedule, Meeting Minutes etc.
- .4 Contractor to supply all necessary furniture and equipment for his project superintendent and manager to administer the job and safely store all contract documents.

- .5 Use only the area designated for Worker's Parking, as directed on site.

**1.5 SANITARY FACILITIES**

- .1 Provide adequate sanitary facilities for workforce in accordance with the Municipal Regulations and Ordinances.
- .2 Post Notices and take precautions as required by local Health Authorities. Keep area and premises in sanitary condition. Have toilets maintained in sanitary conditions under contract. Clean and disinfect Site of the toilets on removal.
- .3 Do not permit construction personnel to use new washroom and toilet facilities.

**1.6 TEMPORARY ENCLOSURES**

- .1 Provide temporary partitions and enclosures as required to protect the work and guard against burglary or malicious damage. See Barriers in item 1.11.
- .2 Provide heated, ventilated, weather tight enclosures complete with protective hoarding, gates and lighting to facilitate the demolition, construction and completion of all exterior building work as required to maintain temperature for working, surface and curing conditions required by all specified materials.

**1.7 TEMPORARY SERVICES**

- .1 Provide, install, maintain and locate where directed the facilities for the Work and for all trades except where specified otherwise and remove them upon completion of the work. These facilities shall be considered minimal and shall be increased as necessary. Pay all charges and billings in connection therewith.
- .2 Light and Power: supply electric power for all construction purposes. Make connections available to any part of the work within distance of 90'-0" extension. Provide power at temporary storage sheds and field office. Contractor to confirm if temporary power is available on site and if required supply temporary generators until permanent power is installed.
- .3 Install lighting for emergency evacuation, safety and security throughout the Project as required by jurisdictional authorities. Light to be evenly distributed, and at intensities to ensure that proper installations and applications are achieved.
- .4 Heat and ventilate the building during construction and completion of finish Work to ensure a minimum temperature of 15 deg. C. and to maintain temperature for working, surface and curing conditions required by all specified materials.
- .5 Provide telephone service for Owner and Consultants use and all trades and pay all charges.
- .6 Provide water of potable quality for all construction purposes, at locations approved by the

Consultant.

- .7 Maintain all fire protection as required by the authorities having jurisdiction.
- .8 Include cost of all services used by Owner forces and equipment until Substantial Performance, in Contract price.

**1.8 CONSTRUCTION EQUIPMENT**

- .1 Select, operate and maintain hoisting equipment and cranes as may be required. Operate such equipment only by qualified hoist or crane operators. Make hoist available for Work of each Section.
- .2 Erect scaffolding independent of walls. Use scaffolding so as to interfere as little as possible with the work. When not in use, move scaffolding as necessary to permit other work. Construct and maintain scaffolding in rigid, secure and safe manner. Remove scaffolding in rigid, secure and safe manner. Scaffolding shall permit convenient access to all levels for all workmen and inspection staff.

**1.9 GENERAL PROTECTION**

- .1 Without limiting the Contractor's responsibility to provide all necessary protection, the Contractor shall:
  - .1 Remove snow and ice as may be required for the protection and/or execution of the Work. Do not use salt under any circumstances.
  - .2 Wet all areas to prevent dust rising and power hose daily to remove dirt. During cold weather, ensure that mud is scraped off areas outside as well as in.
  - .3 Provide as required to permit Work to continue without interruption, tarpaulins, polyethylene, plastic or wood coverings to close in building prior to installation of windows and doors.
  - .4 Protect materials and equipment delivered to the Site in the Owner's name for installation in the Work.
- .2 Any work damaged by failure to provide protection as required or damaged as a result of lack of adequate temporary heat shall be removed and replaced with new, at no additional cost to the Owner.
- .3 Each Trade shall avoid damaging the Work of other Trades. Conduct the Work and provide protective covering as necessary to meet this requirement. Make good at own expense any damage resulting from failure to meet this requirement. Protective measures shall be to Consultant's approval.
- .4 If it is necessary to work on roof after installation of roof coverings, protect membrane with

plywood sheets or similar materials.

- .5 Provide all necessary shoring, and bracing as required for safety and execution of the Work.

#### 1.10 **SIGNS AND NOTICES**

##### .1 Construction Banners:

- .1 Install construction banners where directed on site by the Owner.
- .2 Banners will be supplied by the Owner.

##### .2 Safety Sign:

- .1 Erect signs relating to Safety of the Work, or mandatory regulation notices.
- .2 Prior to commencement of Work wherein hazardous or volatile cements, coatings, or substances are used, barricade entire area and post adequate number of "NO SMOKING" signs, as directed by authorities having jurisdiction.
- .3 Do not display any other signs, posters or advertising matter on Site without approval of Consultant.

#### 1.11 **BARRIERS**

- .1 Provide barriers to the satisfaction of the owner, Consultant and local authorities for the protection of the Public, Transit Staff, Project Workmen, including but not limited to:

- .1 Isolation of construction area.
- .2 Separation from excavated areas.
- .3 Protection from falling/flying debris.
- .4 Separation from pits, shafts, walls.

##### .2 Types of Barriers

- .1 Visual
  - Horizontal Obstruction
  - Solid – easily moved
  - Continuous
- .2 Semi Solid
  - Physical Obstruction
  - Resist day to day abuse
- .3 Solid Barrier
  - Resist heavy impact

- Constructed of framing lumber and plywood to withstand expected forces.
  - Provided with hinged access complete with locking devices.
- .3 Marking on barriers shall be provided by way of signs, reflectors or flashing devices to indicate degree of hazard.
- .4 Protect existing landscaping adjacent to site work as required to avoid physical contact or disruption of natural site conditions.
- .5 Barriers are to be painted white and maintained in a clean and neat manner.
- .6 When barriers are solid to an elevation of 8'-0" from the finished floor, and required to extend to the underside of the roof deck, a continuous sheet of 6 mil. polyethylene is to be used to seal from the top of the barrier to the underside of the structure above. All joints and edges are to be secured in place and sealed. Pay specific attention when the poly membrane is penetrated with mechanical or electrical services. Infill the gap generated at the underside of the metal deck and top plate with batt insulation. Refer to details and sections on the drawings.

END OF SECTION