

**SECTION 01 52 00  
TEMPORARY FACILITIES**

**PART 1 - GENERAL**

**1.01 DESCRIPTION OF REQUIREMENTS:**

- A. Specific administrative and procedural minimum actions are specified in this Section, as extensions of provisions in General Conditions and other Contract Documents. These requirements have been included for special purposes as indicated. Nothing in this Section is intended to limit types and amounts of temporary work required, and no omission from this Section will be recognized as an indication by the Architect that such temporary activity is not required for successful completion of the work and compliance with requirements of Contract Documents.

**1.02 QUALITY ASSURANCE:**

- A. In addition to compliance with governing regulations and rules/recommendations of franchised utility companies, comply with specific requirements indicated and with applicable local industry standards for construction work (published recommendations by local consensus "building councils").

**1.03 JOB CONDITIONS:**

- A. Establish and initiate use of each temporary facility at time first reasonably required for proper performance of the Work. Terminate use and remove facilities at earliest reasonable time, when no longer needed or when permanent facilities have, with authorized use, replaced the need.
- B. Install, operate, maintain and protect temporary facilities in a manner and at locations which will be safe, non-hazardous, sanitary and protective of persons and property, and free of deleterious effects.

**1.04 ENERGY COSTS:**

- A. The Contractor shall pay all costs for the temporary water, electricity, heat and ventilation used for the Work of the Project. This shall include the costs of installation and maintenance of temporary equipment. The Contractor shall remove all temporary equipment at the end of each Work phase.

**PART 2 - PRODUCTS**

**2.01 TEMPORARY UTILITY SERVICES:**

- A. The types of services required include, but not by way of limitation, water, gas, electrical power and telephones. Comply with service companies' recommendations on materials and methods, or engage service companies to install services. Locate and relocate services (as necessary) to minimize interference with construction operations.

**2.02 TEMPORARY CONSTRUCTION FACILITIES:**

- A. The types of temporary construction facilities required include, but not by way of limitation, water distribution, enclosure of work, heat, ventilation, electrical power distribution, lighting, telephone, hoisting facilities, stairs, ladders, and roads. Provide facilities reasonably required to perform construction operations properly and adequately.

- B. Generally, materials may be new or used, but shall be adequate for purposes intended, and shall not create unsafe conditions nor violate requirements of applicable codes.
- C. Water:
  - 1. Non-potable water shall be acceptable for industrial, cleaning, and firefighting purposes only.
  - 2. Provide water for temporary office.
- D. Enclosures:
  - 1. Provide temporary enclosure where indicated and where reasonably required to ensure adequate workmanship and protection from weather and unsatisfactory ambient conditions for the work, including enclosure where temporary heat is used.
  - 2. Furnish, install and maintain for the duration of construction all required scaffolds, tarpaulins, barricades, canopies, warning signs, steps, bridges, platforms, and other temporary construction necessary for proper completion of the Work in compliance with all pertinent safety and other regulations.
- E. Heating:
  - 1. Maintain heat to protect Work and products being installed against environmental conditions that may be detrimental to Work or products.
  - 2. Provide suitable ambient temperatures and humidity levels as recommended by product manufacturers for installation and curing of products.
  - 3. The use of salamanders is prohibited.
  - 4. Provide heat for temporary offices and storage. Allow beneficial occupancy of Project or portion of Project prior to final completion, including air conditioning and heating.
- F. Ventilation:
  - 1. Prevent hazardous accumulations of dusts, fumes, mists, vapors or gases in areas occupied during construction.
  - 2. Provide adequate ventilation during installation of materials, for dispersal of humidity, and ventilation of temporary sanitary facilities.
  - 3. Provide ventilation for temporary offices and storage.
- G. Electrical power:
  - 1. Provide weatherproof, grounded, power distribution system sufficient to accommodate construction operations requiring power, use of power tools, electrical heating, lighting and start-up testing of permanent electric-powered equipment prior to its permanent connection to electrical system.
  - 2. Provide appropriate enclosures for the environment in which used, in compliance with NEMA Standards.
- H. Lighting:
  - 1. Provide sufficient temporary lighting to ensure proper workmanship and construction needs, safe and adequate working conditions, public safety, security lighting and lighting for temporary offices and storage.
- I. Access provisions:
  - 1. Provide ramps, stairs, ladders and similar temporary access elements as reasonably required to perform the work and facilitate its inspection during installation. Comply with reasonable requests of governing authorities performing inspections.
  - 2. When permanent stairs are available for access during construction, cover finished surfaces with sufficient protection to ensure freedom from damage and deterioration at time of Substantial Completion.
  - 3.

**2.03 SECURITY/PROTECTION PROVISIONS:**

- A. The types of temporary security and protection provisions required include, but no by way of limitation:
  - 1. Barricades
  - 2. Personnel security program (theft prevention)
  - 3. Warning signs/lights
  - 4. Environmental protection
  - 5. Building lockup

**2.04 TEMPORARY SUPPORT FACILITIES:**

- A. The types of temporary support facilities required include, but not by way of limitation:
  - 1. Field offices
  - 2. First aid facilities
  - 3. Storage sheds
  - 4. Telephones
  - 5. Fax machine
  - 6. E-mail capability compatible with that of the Architect and the Owner.
  - 7. Sanitary facilities
  - 8. Thermometer
  - 9. Drinking water
  - 10. Project identifications
  - 11. Clean up facilities
  - 12. Signs
  - 13. Rodent/pest control
  - 14. Waste disposal
- B. Provide all general services as may be reasonably required for proficient performance of the work and accommodation of personnel at the site including Owner's and Architect's personnel. Discontinue and remove temporary support facilities, and make incidental similar use of permanent work of the Project, only when and in manner authorized by Architect; and, if not otherwise indicated, immediately before time of Substantial Completion. Locate temporary support facilities for convenience of users, and for minimum interference with construction activities.
- C. Contractor's field office:
  - 1. Provide adequate office space for field office personnel plus one space work station for incidental use by subcontractors and the Architect's representative. The space shall be  
  
suitably finished, furnished, equipped and conditioned. Provide space for meetings (with table and chairs) and an adequate space for storage of approved samples.
- D. Sanitary facilities:
  - 1. Provide type acceptable to governing authorities and adequate (at all stages of construction) for use of personnel at Project site. Provide separate facilities for male and female personnel when both sexes are working (in any capacity) at Project site.
- E. Project identification sign:
  - 1. Provide 1 project identification sign containing such lettered and graphic data and description relative to the construction as required by the Architect.
  - 2. The sign shall be approximately 4'-0" by 8'-0", and it shall be constructed of laminated, waterproof plywood 3/4" thick, or as otherwise approved by the Architect, and shall be mounted on a rigid, substantial wood timber frame with brass wood screws, or with suitable brass bolts and washers. Provide all edges with molded wood casing. In

addition, protect with top edge surface with aluminum cap flashing bent down over edges and secured with aluminum nails. Paint the sign an approved color as selected by the Architect, with contrasting colors for graphic data.

3. Maintain all signs in good and neat condition until such time as the Architect authorizes their removal.

**PART 3 - EXECUTION**

**3.01 REMOVAL:**

- A. Maintain all temporary facilities and controls as long as needed for the safe and proper completion of the Work. Remove all such temporary facilities and controls as rapidly as progress of the Work will permit.

**- END OF SECTION -**