

SECTION 01 50 00

TEMPORARY FACILITIES

PART 1 GENERAL

1.01 The Contractor shall arrange for all temporary utilities needed for construction and shall pay all fees and charges related to such utilities.

1.02 Utilities Available To The Contractor: The following utilities in the existing building will be made available for the Contractor's use in the performance of work in this Contract:

- A. A/E to list utilities available for Contractor use.
- B. The Contractor may use indicated utilities, provided the Contractor supplies all materials, equipment, and labor required to extend the utility to the work area, and provided the Contractor removes such extensions at the end of each work day (unless otherwise arranged).
- C. Any modification of existing utilities to meet the Contractor's needs is not permitted without the written consent of DPS.
- D. The Contractor shall protect any and all existing utilities which may be utilized by him in the performance of his work.
- E. No utility shall be overloaded or subjected to usage in excess of the normal usage expected for such utility. The Contractor shall perform such tests as are necessary to determine existing loads and spare capacities so that construction usage can be appropriately sized.

1.03 QUALITY ASSURANCE

- A. Onsite, locate a high traffic and visible location to maximize public awareness of the project. If there are any questions on where to locate a sign, please see the Community Relations Manager.
- B. Stake two black painted posts into the ground, spaced to accommodate the width of the sign.
- C. Using the grommet holes, mount the sign to the face of the posts.
- D. Recommend bottom of sign be 36" above grade.

1.04 USE OF EXISTING TOILETS FORBIDDEN

- A. The use of new and/or existing sinks, toilets, lavatories, etc. by construction personnel is strictly prohibited. The Contractor shall provide temporary toilets as required for health and sanitation.
- B. DPS may permit use of existing toilet facilities for minor remodel projects. The Architect shall consult with DPS on such projects and shall include restrictions, etc. in this section.

1.05 USE OF OTHER BUILDING SYSTEMS:

- A. The Contractor may not use any other building systems for construction assistance unless specifically approved in writing by DPS. Use of elevators, phones, fax machines, etc. are included in this area.

1.06 TEMPORARY HEAT

- A. The Contractor shall provide temporary heat during construction as required by the various sections of the specifications or as needed to assure that work is performed under environmental conditions which are appropriate. Protect the work from damage during cold weather by the judicious application of acceptable temporary heating methods.
- B. Use Of Permanent Heating Equipment
 - 1. Permanent heating units may be used for temporary heating purposes provided:
 - (a.) The Contractor makes request and receives approval from the Architect and Owner.

- (b.) The building is completely enclosed.
- (c.) Heating unit has sufficient vents, ducts, etc. to make it safe to operate.
- 2. Units and ductwork used for temporary heat shall be cleaned and placed in first-class working order prior to final acceptance of the project.
- 3. Use of the units for temporary heat shall not reduce the mandatory warranty period of twenty-four (24) months from the date of substantial completion.
- C. Utility Costs
 - 1. The Contractor shall obtain all utilities and shall pay all utility charges except as otherwise specified.
 - 2. Use of permanent metering for temporary utilities shall not be allowed unless approved by the Architect.

1.07 TEMPORARY DOORS AND CLOSURES

- A. Closures shall be capable of achieving a sound transmission coefficient (STC) of 35 and shall have a 25 (maximum) flame spread rating.
- B. The occupied side of the closure shall be painted and finished.

1.08 ROOF ACCESS BARRIERS

- A. Roof access ladders and scaffolding shall be removed at the end of each work day, unless suitable barriers are provided to prevent access.

1.09 EXITING

- A. The Contractor shall submit to the Architect and DPS his plans for the safe exiting of building occupants during various construction activities.
- B. The Contractor shall construct safe egress passages as required where any required exit is made unsafe or unusable due to construction activities.
- C. In lieu of constructing alternate means of egress and circulation, the Architect may permit coordination of construction into phases to permit partial use of construction areas at all times.
- D. The Contractor shall submit to the Architect and DPS, his plans for the safe exiting of building occupants during various construction activities.

1.10 MAINTENANCE OF BARRIERS

- A. Barriers shall be maintained by the Contractor so that their functions are not compromised at any time.
- B. Contractor shall obtain approval in writing from DPS prior to removal of any temporary barriers.

1.11 SECURITY

- A. Work areas shall be secured at the end of each working day and at other times when construction areas are not manned. The Contractor shall install temporary doors, windows, or other closures as needed to prevent the entry of unauthorized personnel. Provide adequate locking mechanisms for security closures.
- B. Existing security provisions may be used provided those provisions are adequate to prevent the entry of unauthorized personnel.
- C. The security of connecting or adjacent existing structures shall not be compromised by the Construction. The Contractor shall provide adequate fencing, barriers, barricades, etc. necessary to maintain building security.

1.12 SECURITY CLOSURES AND BARRIERS

- A. Security closures and other barriers shall be coordinated with other barrier (wind, dust, noise, etc.) .
- B. Security closures shall be of substantial construction and shall be constructed so as to provide the same security level as the remainder of the building.
- C. Security closures and barriers shall not interfere with building exiting requirements.

1.13 NIGHT WATCHMAN

- A. If the Contractor desires to place a night watchman on the premises, the person shall be approved by DPS Security and shall be bonded as required by DPS.

1.14 CONTRACTOR'S SECURITY

- A. Security requirements for Contractor's property is the exclusive responsibility of the Contractor and his means are not subject to this specification unless Contractor's requirements affect DPS property.

1.15 FIELD OFFICES

- A. The Contractor's Field Office will not be permitted to occupy space within any existing school structures or within incomplete portions of building(s) under construction unless authorized in writing by DPS.

1.16 ARCHITECT'S/OWNER'S OFFICE (Projects over \$3,000,000 in construction value).

- A. The Contractor shall provide, at his expense, an office facility at the site for the use of the Architect, DPS and their authorized representatives.
- B. The office shall have a secure door with locking mechanism, lighting, heating, electric power, and separate telephone service.
- C. The Office shall be equipped with two chairs and a plan table of 3' x 7' minimum dimensions.
- D. The Architect/Owner Office shall be near the Contractor's field office.

1.17 RECORDS RETENTION

- A. Contractor shall prepare and maintain a matrix of manufacturer's recommended storage and maintenance requirements including storage temp, shelf life, and frequency of scheduled maintenance for stored products.
- B. Contractor shall provide copies of the matrix to the Owner upon request.

PART 2 MATERIALS

2.01 CONSTRUCTION FENCING

- A. The Construction Fence shall be 6'-0" in height (minimum).
- B. Fence construction and materials shall be adequate to prevent unauthorized entry into the contract area.
- C. Plastic snow fencing or warning tape are not acceptable materials.

2.02 PRODUCTS

- A. Use of permanent metering for temporary utilities shall not be allowed.
- B. Temporary heating units shall be in good repair and shall be maintained in good operating condition during their use. All temporary heating units must be tested and labeled by U.L., F.M., F.I.A. or other recognized organization related to the fuel being consumed.
- C. Salamander or open burning temporary heating units shall not be used.

PART 3 EXECUTION

- 3.01** Contractor shall erect and maintain barriers to provide continuous effective hazard protection. Minimum standards of governing agencies shall be followed.

3.02 MAINTENANCE

- A. Maintain all temporary heating equipment for safe and efficient operation. Provide adequate ventilation to prevent condensation and to provide adequate combustion air.
- B. Comply with all requirements of governmental agencies having jurisdiction.
- C. Maintain all temporary utilities in safe condition.

3.03 PROTECTION

- A. Maintenance of stored and installed equipment shall continue until the date of substantial completion.
- B. Document all interim maintenance performed and provide this documentation to the Architect and Owner at Substantial Completion.

3.04 PROGRESS MEETING REPORTING

- A. Contractor shall provide a list of newly received products and manufacturer's storage requirements and present same at regular project progress meetings.
- B. Contractor will be responsible for manufacturer's warranty if storage and pre-acceptance maintenance requirements have not been met and/or cannot be documented.

END OF SECTION 01 50 00