

## SECTION 01 51 00 - TEMPORARY UTILITIES

### PART I - GENERAL

#### 1.1 DESCRIPTION OF TEMPORARY UTILITY SYSTEMS

- A. Entire Specification at no additional expense to the Project or Owner.
- B. Heating System:
  - 1. Provide temporary heating in enclosed areas throughout construction period in order to:
    - a. Facilitate progress of work by all contractors.
    - b. Protect work and products against dampness and cold.
    - c. Prevent moisture condensation on surfaces.
    - d. Provide specified ambient temperatures for installation and curing of finish materials.
  - 2. Heat office areas as specified in the Contract Documents..
  - 3. Minimum heating temperatures:
    - a. Minimum temperatures shall be at least that specified in specific specifications sections.
    - b. Unless otherwise specified, areas in temporary enclosures shall be maintained at temperatures between 45 degrees F and 65 degrees F (7.22 degrees C and 18.33 degrees C), 24 hours per day, seven days per week.
    - c. Unless otherwise specified, areas in permanent enclosures or during placement of interior finishes (woodwork, flooring, painting, drywall, etc.) shall be maintained at temperatures not to exceed 65 degrees F (18.3 degrees C), 24 hours per day, 7 days per week.
- C. Ventilation System:
  - 1. Provide specified temporary ventilation in enclosed areas throughout construction period to:
    - a. Facilitate progress of work.
    - b. Protect work and products against dampness and heat.
    - c. Prevent moisture condensation on surfaces.
    - d. Provide suitable ventilation for installation and curing of finish materials.
    - e. Provide adequate ventilating to meet health regulations for safe working environment.
    - f. Prevent hazardous accumulations of dusts, fumes, mists, vapors or gases in areas occupied during construction.
  - 2. Duration of ventilating operations:
    - a. At all times personnel occupy an area, when subject to hazardous accumulations of harmful elements.
    - b. Weekly IAQ testing for contaminants may be required by the Owner to determine necessary continuing operation of ventilating system after cessation of work to assure removal of harmful elements.
    - c. Continue until final air clearance (for asbestos abatement projects).
- D. Exterior Lighting:

1. If project work requires outages of any exterior lighting, including building, sidewalk or street lighting, adequate temporary lighting shall be provided for the entire duration of the outage as part of the project.

E. Temporary Meter:

1. If it is not possible to use the building's meter, a temporary meter shall be installed. This temporary meter shall meet the reliability and accuracy requirements of the Owner as specified in the Contract Documents, and will be subject to verification by the Owner.

1.2 USE OF PERMANENT AIR HANDLING UNIT (AHU) SYSTEMS FOR CONSTRUCTION PURPOSES

- A. The use of permanently installed air handling units (AHUs) for temporary ventilating, heating and cooling during construction is only permitted as specified in the Contract Documents.
- B. See *Section 01 76 00 – Protecting Installed Construction* for basic requirements that shall be met if permanent equipment is permitted to be used.

PART 2 - PRODUCTS

2.1

PART 3 - EXECUTION

3.1

END OF SECTION **01 51 00**

This section of the *U of I Facilities Standards* establishes minimum requirements only. It should not be used as a complete specification.