

**SECTION 01500
CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS**

PART 1 GENERAL

1.03 ELECTRICITY, LIGHTING

- A. Connect to existing service, provide branch wiring and distribution boxes located to allow service and lighting by means of construction-type power cords. DEPARTMENT will pay costs of energy used.
- B. Provide lighting for construction operations.
- C. Take precautions to conserve energy. Wasteful use of power will be back charged to the TENANT.

1.04 HEAT, VENTILATION

- A. Provide as required to maintain specified conditions for construction operations, to protect materials and finishes from damage due to temperature or humidity.
- B. Do not use permanent facilities for temporary purposes.
- C. Fully exhaust to the outside welding fumes generated from operations related to performance of the Work.
- D. Provide ventilation of enclosed areas to cure materials, to disperse humidity, and to prevent accumulations of dust, fumes, vapors, or gases.

1.05 TELEPHONE SERVICE

- A. Provide telephone service if required for construction operations.

1.06 WATER

- A. Provide service required for construction operations. Extend branch piping with outlets located so that water is available by use of hoses.
- B. Airport will pay for water used.
- C. Hoses or temporary piping will not be permitted in public areas where a hazard to the public may be created.

1.07 SANITARY FACILITIES

- A. Existing facilities may be used during construction operation; maintain in clean sanitary condition. Do not use facilities for construction for cleaning of construction equipment.

1.08 BARRIERS

- A. Provide as required to prevent public entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.

1.09 BARRICADES, WARNINGS, AND MARKINGS (AIRPORT OPERATIONS)

- A. The TENANT shall furnish, erect, and maintain all barricades, warning signs and markings for hazards, as necessary to protect the public and the Work.
- B. For vehicular and pedestrian traffic, the TENANT shall furnish, erect, and maintain barricades, warning signs, lights and other traffic control devices in reasonable conformity with the Manual of Uniform Traffic control Devices for Streets and Highways (published by the United States Government Printing Office).

- C. When the work requires closing an Air Operations Area of the airport or portion of such area, the TENANT shall furnish, erect and maintain temporary markings and associated lighting conforming to the requirements of FAA Advisory Circular 150/5340-1, Marking of Paved Areas on Airports.
- D. The TENANT shall furnish, erect, and maintain markings and associated lighting of open trenches, excavations, temporary stockpiles, and his parked construction equipment that may be hazardous to the operation of emergency, fire-rescue, or maintenance vehicles on the airport in reasonable conformance to FAA Advisory Circular 150/5370-2, Safety on Airports During Construction Activity.
- E. The TENANT shall identify each motorized vehicle or piece of construction equipment in reasonable conformance to FAA Advisory Circular 150/5370-2.
- F. Open-flame type lighting shall not be permitted.

1.10 PROTECTION OF INSTALLED WORK

- A. Provide temporary protection for installed products. Control traffic in immediate area to minimize damage.
- B. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings. Protect finished floors and stairs from traffic, movement of heavy objects, and storage.

1.11 WATER CONTROL

- A. Protect the interior of the terminal from water and moisture infiltration

1.12 CLEANING DURING CONSTRUCTION

- A. In accordance with Part 2 and Part 3 of this specification.

1.13 REMOVAL

- A. Remove temporary materials, equipment, services, and construction prior to Final Completion inspection.
- B. Clean and repair damage caused by installation or use of temporary facilities.
- C. Restore existing facilities used during construction to specified, or to original, condition.

PART 2 PRODUCTS

2.1 CLEANING EQUIPMENT

- A. Provide covered containers for deposit of materials, waste materials, debris, and rubbish. When located on where exposed to wind, prop wash or jet blast, containers/materials shall be adequately secured to prevent release of waste materials.

PART 3 EXECUTION

3.1 GENERAL CLEANING

- A. Maintain areas under the TENANT's control free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Apron areas shall be kept clean of loose waste materials, debris or rubbish that may result in damage to aircraft or the terminal building.
- C. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to closing the space.

- D. Immediately clean interior areas after completion of the work to provide suitable conditions for ANC, the public and other tenants .
- E. Broom clean interior areas prior to start of surface finishing, and continue cleaning on an as needed basis.
- F. Control cleaning operations so that dust and other particulate will not adhere to wet or newly-coated surfaces.
- G. The TENANT shall immediately clean any area identified by ANC as being in an unsafe or unsanitary condition due to the TENANT's actions.

3.2 WASTE DISPOSAL

- A. Remove waste materials, debris, and rubbish from site periodically and dispose of off airport property in accordance with all Federal, State and local regulations.

3.3 FACILITY KEYS

- A. Facility Key Request - Submit a written key request on TENANT company letterhead to the ANC Airport Building Permit Coordinator a minimum of 5 working days prior to the time key(s) will be needed. A deposit of \$500 per key will be required. Include the following information in the written request:
 - 1. List all Contractors and Subcontractors needing access.
 - 2. Name the person who will carry the key on his/her person.
 - 3. A List of all door numbers where their access is denied
 - 4. Provide a reason for the request, i.e., specific type of work to be performed by the key holder
 - 5. The Signature of the person authorized by the TENANT who is authorized to request keys of this project.
- B. Key Issuance - Keys shall be picked up by the TENANT directly from the Airport Key Shop.
- C. Key Security Deposits – Provide company check for the key deposit made payable to: State of Alaska, Airport Accounting. Reference the Airport Building Permit number and “Key Request” on the check. Deposits will be refunded only upon receipt of a request for refund letter with a copy of the Airport Key Shop receipt.
- D. Key Control – The TENANT shall maintain a Key Control Log for all requests/issuances/returns of keys for the project. A copy of the Employee Information sheet shall be signed by all key holders and a copy of this form and the Key Control Log shall be provided to the Airport Key Shop.
- E. Key Returns – Return all keys directly to the Airport Key Shop. Provide a copy of the ANC Key Shop Return receipt to the Airport Building Permit Coordinator.
- F. Lost Keys – Report all missing keys immediately to the Airport Building Permits Coordinator and the Airport Key Shop.

- G. Lost Key Fee – The fee for changing each lock operated by the lost key shall be \$50 per lock. Refunds of deposit may be made only after these charges have been taken from the deposit amount. See “Key Security Deposits” for refund of deposit. In the event the deposit does not cover the entire lost key fees, the TENANT shall pay any additional costs above the amount of the deposit.

3.4 LOCKOUT/TAGOUT PROCEDURE

- A. The TENANT is solely responsible for complying with all Federal, State and local laws and regulations governing lockout/tagout procedures. The TENANT is responsible for coordinating the TENANT’s lockout/tagout procedures with ANC’s procedures to ensure the safety of the TENANT’s workmen, other tenant’s workmen and ANC’s workmen.
- B. The lockout/tagout procedure used by ANC is provided below. This lockout/tagout procedure is provided for information only and ANC does not warranty that the procedure complies with the most recent Federal, State and local laws and regulations.
 - 1. **Employee Instruction:** Employees shall be instructed in the safety significance of the lockout/tagout procedure. Each new or transferred employee and other employees whose work operations are or may be in the area shall be instructed in the purpose and use of the lockout/tagout procedure.
 - 2. **ANC Notification:** Notify ANC that a lockout/tagout system is going to be utilized and the reasons why. Notifications are to be made to the ANC Facilities for all lockout/tagouts. Document which employees are to be authorized to perform a lockout/tagout, which areas are affected by the lockout/tagout, and forward a copy to the Airport Building Permit Coordinator.
 - 3. **Preparation:** Prior to a lockout/tagout, a survey shall be conducted to locate and identify all isolating devices to be certain which switch(es), valve(s), or other energy isolating devices apply to the equipment to be locked or tagged out. More than one energy source (electrical, mechanical, or others) may be involved. Each of these shall be listed for each isolation point and a copy forwarded ANC. If more than one individual is required to lockout/tagout equipment, a multiple lockout/tagout device (hasp) shall be used.
 - 4. **Equipment Shutdown:** Prior ANC Facilities approval is required to shutdown operating equipment. An approved Restricted Access form (available from ANC Facilities) is required to access restricted mechanical/electrical equipment rooms. Contact ANC Operations for access after hours. The telephone numbers are as follows: ANC Facilities (907) 266-2432, ANC Operations: (907) 266-2638
 - 5. **Affixing Lockout or Tagout:** Determine if ANC Facilities has a specific lockout/tagout procedure developed for the work to be performed. Coordinate with ANC Facilities when specific procedures do not exist. Lockout and/or tagout the energy isolating devices with individual lock(s) and tag(s). Tagouts are only acceptable in equipment rooms requiring a special security key for access or with a person standing by the energy-isolating device that has been tagged. Lockout shall be used in all other situations.
 - 6. **Restoring Locked Equipment to Normal Operation:** After the servicing and/or maintenance is complete, check the machines or equipment to ensure that no one is exposed prior to energizing the system.

END OF SECTION