

### PART 1 – GENERAL

#### 1.1 SUMMARY

- A. This Section covers the requirements of the Contractor for use of Hot Work operations on the Project Site.
- B. Hot Work operations shall include any cutting, welding, thermal welding, brazing, soldering, grinding, thermal spraying, thawing pipe, installation of roof systems requiring the use of a torch or any other open flame device or any other similar operation.

#### 1.2 REFERENCES

- A. Code of Federal Regulations (CFR) 29 CFR 1910, Subpart Q – Welding, Cutting and Brazing
- B. National Fire Prevention Association (NFPA) 51B, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work

#### 1.3 PERMIT

- A. The Contractor shall not begin any Hot Work operations on the Project prior to receiving the approved Hot Work Permit from the Airport Fire Prevention and Planning Department.
- B. The Contractor may obtain the Hot Work Permit from the Airport Fire Prevention and Planning Department or from the following link:  
[http://www.dfairport.com/cs/groups/webcontent/documents/webasset/p2\\_145643.docx](http://www.dfairport.com/cs/groups/webcontent/documents/webasset/p2_145643.docx)
- C. The Contractor shall complete the form and submit to the Airport Fire Prevention and Planning Department for review and approval.
- D. The Airport Fire Prevention and Planning Department shall record and approve the Hot Work Permit and notify the Contractor when approved.

### PART 2 - PRODUCTS

Not Used.

### PART 3 - EXECUTION

#### 3.1 REQUIREMENTS

- A. The Contractor shall employ and utilize only qualified individuals to perform Hot Work operations on the Project.
- B. The Contractor shall perform all Hot Work operations in accordance with the requirements of the Airport Hot Work Permit; 29 CFR 1910, Subpart Q - Welding, Cutting and Brazing; and NFPA 51B – Standard for Fire Prevention During Welding, Cutting, and Other Hot Work.
- C. Smoking or any type of open flames are not permitted in the work area and clearance to such sources shall be maintained in accordance with the reference documents in subsection 3.1 B.

#### 3.2 FIRE WATCH

- A. The Contractor shall provide and assign a designated Fire Watch for each location and occurrence where Hot Work is performed as part of the Project.

## HOT WORK OPERATIONS AND CONTROL

### Section: 01 35 23

---

- B. The Contractor shall provide and post one (1) or more Fire Watch personnel during such operations and maintain such personnel for at least 30 minutes after operations have ceased. Fire watch personnel shall monitor the entire Hot Work area.
- C. Fire Watch personnel shall possess at least one (1) functioning fire-extinguisher and be trained in use of such equipment. The fire-extinguisher shall meet or exceed a fire extinguisher rating of 2A:20B:C and shall not be located beyond 30 feet from such work.
- D. Each Fire Watch shall be trained in accordance with NFPA 51B.

#### 3.3 WORK AREA SAFETY

- A. The Contractor shall inspect the work area prior to start of operations to ensure the area is safe for performing Hot Work operations and familiarize the personnel involved in such work with the location of the nearest fire alarm box and record the emergency number(s) advertised at that location for all personnel.
- B. The Contractor shall prepare a pre-Hot Work check report and the report shall be available on site at least 48 hours prior to operations.
- C. The Contractor shall provide adequate signage in accordance to the reference documents in subsection 3.1 B.
- D. The floor in the work area shall be maintained in a clean condition and the work area shall be free of any combustible materials, otherwise appropriate shielding shall be provided and installed prior to the start of such operations.
- E. The Contractor shall not perform any such work on any containers or equipment that contain, or have contained, flammable liquid, gas, or solid materials until the container or equipment has been thoroughly cleaned and lines purged of any such material.
- F. Where the work requires wet hose lines, the hose lines shall be connected, charged, and ready before and during all such operations.
- G. Refer to the Hot Area Permit instructions for more stringent requirements in the Aircraft Operations Area (AOA) and additional instructions and requirements.

## PART 4 – MEASUREMENT AND PAYMENT

Not Used.

**- END OF SECTION -**