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| <u>1.1 SECTION INCLUDES</u> | .1 | Fire Safety Requirements. |
| | .2 | Hot Work Permit. |
| | .3 | Existing Fire Protection and Alarm Systems. |
| <u>1.2 RELATED WORK</u> | .1 | Section 01 35 25 - Special Procedures on Lockout Requirements. |
| | .2 | Section 01 35 28 - Health and Safety Requirements. |
| <u>1.3 REFERENCES</u> | .1 | Fire Protection Standards issued by Fire Protection Services of Human Resources Development Canada as follows: <ul style="list-style-type: none">.1 FCC No. 301-June 1982 Standard for Construction Operations;.2 FCC No. 302-June 1982 Standard for Welding and Cutting. |
| | .2 | National Fire Code 2015. |
| | .3 | National Building Code 2015. |
| <u>1.4 DEFINITIONS</u> | .1 | Hot Work defined as: <ul style="list-style-type: none">.1 Welding work;.2 Cutting of materials by use of torch or other open flame devices;.3 Grinding with equipment which produces sparks;.4 Use of open flame torches such as for roofing work. |
| <u>1.5 SUBMITTALS</u> | .1 | Submit copy of Hot Work Procedures and sample of Hot Work permit to Departmental Representative for review, within fourteen (14) |

calendar days of acceptance of bid.

- .2 Submit in accordance with the Submittal General Requirements specified in Section 01 33 00.

1.6 FIRE SAFETY REQUIREMENTS

- .1 Implement and follow fire safety measures during Work. Comply with following:
 - .1 National Fire Code 2015;
 - .2 National Building Code 2015;
 - .3 Federal and Provincial Occupational Health and Safety Acts and Regulations.
- .2 In event of conflict between any provisions of above authorities the most stringent provision will apply. Should a dispute arise in determining the most stringent requirement, Departmental Representative will advise on the course of action to be followed.

1.7 HOT WORK AUTHORIZATION

- .1 Obtain Departmental Representative's written "Authorization to Proceed" before conducting any form of Hot Work on site.
- .2 To obtain authorization submit to Departmental Representative:
 - .1 Contractor's typewritten Hot Work Procedures to be followed on site as specified below.
 - .2 Description of the type and frequency of Hot Work required.
 - .3 Sample Hot Work Permit to be used.
- .3 Upon review and confirmation that effective fire safety measures will be implemented and followed during

performance of Hot Work,
Departmental Representative will
give authorization to proceed as
follows:

- .1 Issue one written
"Authorization to Proceed"
covering the entire project for
duration of Work or;
- .2 Subdivide the Work into pre-
determined, individual
activities, each activity
requiring a separately written
authorization to proceed.
- .4 Requirement for individual
authorization will be based on:
 - .1 Nature or phasing of Work;
 - .2 Risk to Facility operations;
 - .3 Quantity of various trades
needing to perform Hot Work on
project or;
 - .4 Other situation deemed
necessary by Departmental
Representative to ensure fire
safety on premises.
- .5 Do not perform any Hot Work until
receipt of Departmental
Representative's written
"Authorization to Proceed" for that
portion of Work.
- .6 In tenant occupied Facility,
coordinate performance of Hot Work
with Facility Manager through the
Departmental Representative. When
directed, perform Hot Work only
during non-operative hours of the
Facility. Follow Departmental
Representative's directives in this
regard.

1.8 HOT WORK
PROCEDURES

- .1 Develop and implement safety procedures and work practices to be followed during the performance of Hot Work.
- .2 Hot Work Procedures to include:
 - .1 Requirement to perform hazard assessment of site and immediate Work area beforehand for each Hot Work event in accordance with Health and Safety Plan specified in section 01 35 28.
 - .2 Use of a Hot Work Permit system for each Hot Work event.
 - .3 The step-by-step process of how to prepare and issue a Hot Work permit.
 - .4 Permit shall be issued by Contractor's site Superintendent, or other authorized person designated by Contractor, granting permission to Hot Work or for subcontractor to proceed with Hot Work.
 - .5 Designation of a person on site as a Fire Safety Watcher responsible to conduct a fire safety watch for a minimum duration of 60 minutes immediately following the completion of the Hot Work.
 - .6 Compliance with fire safety codes, standards, and occupational health and safety regulations specified in Section 01 35 28.
 - .7 Site specific rules and procedures in force at the site as provided by the Facility Manager.
- .3 Generic procedures, if used, must be

edited and supplemented with pertinent information tailored to reflect specific project conditions. Label document as being the Hot Work Procedures for this contract.

- .4 Procedures shall clearly establish worker instructions and allocate responsibilities of:
 - .1 Worker performing Hot Work;
 - .2 Authorized person issuing the Hot Work Permit;
 - .3 Fire Safety Watcher;
 - .4 Subcontractor(s) and Contractor.
- .5 Brief all workers and subcontractors on Hot Work Procedures and of Permit system. Stringently enforce compliance.
- .6 Failure to comply with fire safety procedures may result in the issuance of a Non-Compliance notification at Departmental Representative's discretion with possible disciplinary measures imposed as specified in Section 01 35 28.

1.9 HOT WORK PERMIT

- .1 Hot Work Permit to include, at a minimum, the following:
 - .1 Project name and project number;
 - .2 Site name, address, and specific room or area where Hot Work will be performed;
 - .3 Date of issue;
 - .4 Description of Hot Work type needed;
 - .5 Special precautions to be followed, including type of fire extinguisher needed;

- .6 Name and signature of person authorized to issue the permit;
 - .7 Name of worker (clearly printed) to which the permit is issued;
 - .8 Permit validity period not to exceed eight (8) hours. Indicate start time/date and termination time/date;
 - .9 Worker's signature with time/date of Hot Work completion;
 - .10 Stipulated time period of safety watch;
 - .11 Name and signature of designated Fire Safety Watcher, complete with time and date when safety watch terminated, certifying that surrounding area was under continual surveillance and inspection during the full watch time period specified in Permit and commenced immediately upon completion of Hot Work.
- .2 Permit to be typewritten form. Industry Standard forms shall only be used if all data specified above is included on form.
- .3 Each Hot Work Permit to be completed in full and signed as follows:
- .1 Authorized person issuing Permit before Hot Work commences;
 - .2 Worker upon completion of Hot Work;
 - .3 Fire Safety Watcher upon termination of safety watch;
 - .4 Returned to Contractor's Site Superintendent for safe keeping.

1.10 FIRE PROTECTION
AND ALARM SYSTEMS

- .1 Fire protection and alarm systems shall not be:
 - .1 Obstructed;
 - .2 Shut-off, unless approved by Departmental Representative;
 - .3 Left inactive at the end of a working day or shift.
- .2 Do not use fire hydrants, standpipes, and/or hose systems for purposes other than firefighting.
- .3 Costs incurred from the fire department, Facility owner, and/or tenants, resulting from negligently setting off false alarms will be charged to the Contractor in the form of financial progress payment reductions and holdback assessments against the Contract.

1.11 DOCUMENTS
ON SITE

- .1 Keep Hot Work Permits and Hazard assessment documentation on site for duration of Work.
- .2 Upon request, make available to Departmental Representative or to authorized safety representative for inspection.

END OF SECTION