



CLARK COUNTY FIRE DEPARTMENT - FIRE PREVENTION BUREAU

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Permit by Inspector Guideline

HOT WORKS

This guide is to assist in the permitting process for hot works operations. A permit is required for operations involving cutting, grinding, welding operations at trade shows, public exhibitions, repair garages, auto body repair shops, plumbing, on-site apartment maintenance, etc. per IFC 105.5.25. All hot work shall comply with the requirements of Chapter 35 of the Fire Code.

APPLICABLE CODES: The following codes and standard apply to this permit.

- *International Fire Code*, 2024 edition (IFC)
- *Clark County Fire Code Amendments*, 2024 edition (CCFC)

PERMIT BY INSPECTOR REQUIREMENTS:

No documents are required to be submitted for Permit by Inspector permit types. A permit is only issued after an onsite fire inspection has been approved by the Clark County Fire Prevention Bureau. All items to be verified during on-site fire inspection; Permit conditions shall be field verified to meet the requirements below.

1. PERSONNEL: Ensure people performing work are qualified

- Qualifications of operators will be evaluated to ensure that qualified personnel are used to perform operations
- Record Keeping; pre-work check reports shall be available per IFC 3504.3.1

2. SIGNAGE: Post signage to inform all personnel Hotworks in progress

- Visible hazard identification signs shall be posted to warn others before they enter the hot work area, when the hot work area is open to persons other than the operator of the hot work equipment
- Such sign shall display the following warning:

CAUTION

HOT WORK IN PROGRESS

STAY CLEAR

3. FIRE EXTINGUISHER: Ensure fire extinguisher is provided.

- Not less than (1) portable fire extinguisher complying with IFC section 906 and with a minimum of 2-A:20B:C rating shall be provided with ready access within 30 feet of the location where the hot work is being performed.
- The fire extinguisher shall be tagged by a contractor licensed by the Nevada State Fire Marshal.

4. **CCFD HOTWORKS/WELDING SAFETY SIGN-OFF SHEET:** Ensure form is completed and signed by qualified person. See copy of form on page 3-4

5. **PRE-HOT WORK CHECK LIST: To be conducted by personnel prior to hot work operations**

ITEM:	COMPLETE
1. Hot work equipment to be used shall be in satisfactory operating condition and in good repair	
2. Hot work site is clear of combustibles or combustibles have been protected	
3. Exposed construction is of non-combustible materials or, if combustible, then protected	
4. Openings are protected	
5. Floors are kept clean	
6. Exposed combustibles are not located on the opposite side of partitions, walls, ceilings, or floors.	
7. Fire Watch, where required, is assigned	
8. Approved actions have been taken to prevent accidental activation of the fire protection system equipment in accordance with sections IFC 3504.1.8 and 3504.1.9	
9. Fire extinguishers and fire hoses (where provided) are operable and available.	
10. Customer has filled out CCFD Hot works/Welding Safety sign off sheet	

CCFD: Hot works Safety sign off sheet

This is to be filled out by **each** employee conducting hot works. A copy needs to be provided at the time of inspection. Records to be kept in a binder at fixed hot works locations. For mobile locations paperwork shall be completed onsite and retained at the main office location for the duration of the permit.

SCOPE:

Hot work operations shall be conducted in accordance with IFC 2024 chapter 35

PURPOSE:

To provide standardized sign-off sheet for the Fire Prevention Bureau requirements relating to conducting hot work operations. This sheet is to be filled out for each welding and hot works activity.

RESTRICTED AREAS:

1. Hot work shall not be conducted in the following areas unless approval has been obtained from the Fire Prevention Bureau.
 - Areas where the sprinkler system is impaired.
 - Areas where there exists the potential of an explosive atmosphere, such as locations where flammable gases, liquids or vapors are present.
 - Areas with readily ignitable materials, such as storage of large quantities of bulk sulfur, baled paper, cotton, lint, dust or loose combustible materials.

CONDUCTING HOT WORKS OPERATIONS:

The use of welding, cutting and other hot work equipment shall be in accordance with the Clark County Fire Code.

FIRE WATCH:

Shall be provided during hot work activities and shall continue for a minimum of 30 minutes after the conclusion of the work. The fire watch shall include the entire hot work area. Hot work conducted in areas that include horizontal or vertical fire exposures that are not observable by a single individual shall have additional personnel assigned to fire watch to ensure that exposed areas are monitored.

Individuals designated to fire watch duty shall have fire-extinguishing equipment readily available and shall be trained in the use of such equipment. Individuals assigned to fire watch duty shall be responsible for extinguishing spot type fires and communicating an alarm. No other duties shall be assigned to personnel performing fire watch duty.

Fire watch is not required when the hot work area has no fire hazards or combustible exposures. However, a final check is required 30 minutes after completion of operation to detect and extinguish smoldering fires.

HOT WORKS SITE:

Shall be inspected by the individual responsible for the hot work for compliance.

A pre-hot work check shall be conducted prior to the hot work operations and shall determine all the following:

1. Notify facility personnel (owner/owner representative) providing location, type of work to be performed, duration of hot-work operations daily, AND FOLLOW ALL THE IN-HOUSE INTERNAL HOT WORK PROCEDURES.
2. Hot work equipment to be used shall be inspected by the operator prior to use and equipment shall be in satisfactory operating condition and in good repair.
3. Hot work site is clear of combustibles or combustibles are protected.
4. Exposed construction is of noncombustible materials or that combustible materials within 35 feet are protected.
5. Openings within 35 feet are protected.
6. Floors within 35 feet are kept clean.
7. No exposed combustibles are located on the opposite side of partitions, walls, ceilings or floors.
8. If hot work area is accessible to anyone other than operator of hot work equipment, warning sign(s) stating "**CAUTION - HOT WORK IN PROCESS - STAY CLEAR**" must be displayed.
9. Fire watch, where required, are assigned.
10. Fire extinguishers and fire hoses (where provided) are operable and available.
11. Approved actions have been taken to prevent accidental activation of suppression and detection equipment in accordance with the Clark County Fire Code. The automatic sprinkler protection shall not be shut off while hot work is being performed unless otherwise approved by the fire code official.
12. If any of these conditions cannot be met, then the hot work operation shall not be performed.

FIRE PERMIT # _____

COMPANY CONTACT INFORMATION: _____

- **COMPANY NAME:** _____
- **ADDRESS:** _____
- **PHONE #:** _____

PROJECT INFORMATION: _____

- **PROJECT ADDRESS:** _____
- **PROJECT LOCATION/FLOOR LEVEL:** _____

OPERATOR INFORMATION: _____

- **OPERATOR NAME:** _____
- **OPERATOR JOB TITLE:** _____

HOTWORK DATE: _____

- **HOTWORK START TIME:** _____
- **HOTWORK END TIME:** _____

I have read, understood, and agree to follow the fire watch procedures for hot works and will follow all the fire watch safety procedures listed above. This document shall be maintained at the job site and produced upon request.

Signature: _____ **Date:** _____