



CLARK COUNTY FIRE DEPARTMENT

Fire Hazard & Prevention Services

575 E. Flamingo Road, Las Vegas, NV 89119
(702) 455-7316 FAX (702) 455-7347



105.8.h.3-2

TITLE: HOT-WORK OPERATIONS PERMIT/PLAN SUBMITTAL RENEWABLE
(ANNUAL)

SCOPE: Companies conducting hot-work operations shall comply with Article 49 of the 2005 Clark County Fire Code and this guideline.

PURPOSE: To provide standardized Clark County Fire Department requirements relating to hot-work operations, which include, cutting, welding, brazing, use of open torch, glass blowing, grinding, torch applied roofing, and similar operations where sparks, hot slag, radiant or convective heat are produced. Permit covers all hot-work operations conducted by the company within unincorporated Clark County.

SPECIFICATIONS AND REQUIREMENTS

A permit shall be obtained from the Clark County Fire Department (CCFD), Fire & Hazard Prevention Services Division to conduct hot-work operations, including but not limited to:

1. Public exhibitions and demonstrations where hot-works is conducted.
2. Use of portable hot-work equipment inside a structure.
Exception: Work that is conducted under a construction permit issued by the building official.
3. Fixed site hot-work equipment such as welding booths.
4. Hot-works conducted within a Hazardous Fire Area.

The Fire Department permit/plan review fee of \$75.00 and a completed application form, will accompany submittal package. Package may be submitted for expedite review for an additional fee of \$85.00 per hour of review and will accompany submittal package. Additional fees may apply and will be collected after review of plans. If approved, an inspection will need to be scheduled. All inspections are scheduled on our web site at <http://www.accessclarkcounty.com/fire/firedept.htm> Click on "**Online Inspection Scheduling**" and follow the instructions.

Three submittal packages are required to be submitted to CCFD Plans Intake and shall include the items listed within the appropriate table on page 2.

FIXED	MOBILE	COMBINATION FIXED & MOBILE
<p>A business performing all hot-work operations at a designated location within a building.</p>	<p>A business performing all hot-work operations at multiple locations.</p>	<p>A business performing both fixed and mobile hot-work operations.</p>
<p>1. Provide a floor plan of the building indicating the following information:</p> <ol style="list-style-type: none"> Location and type of hot-work operations and equipment in relation to combustible materials, elevators, stairs, gangways, means of egress, building openings, or ventilation openings. A minimum of 35' separation shall be provided or approved shielding shown. Location, type and volume (in cubic feet) of compressed gas cylinders if used. Location of ventilation equipment if provided. Location of minimum rated 2A 20-B:C fire extinguishers or charged water hose equipped with a nozzle. Must be within 30 feet of operation and accessible without climbing stairs or ladders. <p>2. Provide a fire watch in accordance with Article 49 of the Clark County Fire Code 2005 edition.</p> <p>3. Provide a detailed narrative describing the type of hot-work operations performed in the field</p> <p>4. Maintain a completed (signed) HOT-WORK OPERATIONS/FIRE WATCH PROCEDURES AND SAFETY SIGN-OFF SHEET at the job site.</p>	<p>1. Provide a detailed narrative describing the type of hot-work operations performed in the field.</p> <p>2. Provide a fire watch in accordance with Article 49 of the Clark County Fire Code 2005 edition.</p> <p>3. Include the type of hot-work equipment to be used.</p> <p>4. Location, type and volume (in cubic feet) of compressed gas cylinders if used.</p> <p>5. Maintain a completed (signed) HOT-WORK OPERATIONS/FIRE WATCH PROCEDURES AND SAFETY SIGN-OFF SHEET at the job site.</p>	<p><u>FIXED</u></p> <p>1. Provide a floor plan of the building indicating the following information:</p> <ol style="list-style-type: none"> Location and type of hot-work operations and equipment in relation to combustible materials, elevators, stairs, gangways, means of egress, building openings or ventilation openings. A minimum of 35' separation shall be provided or approved shielding shown. Location, type and volume (in cubic feet) of compressed gas cylinders if used. Location of ventilation equipment if provided. Location of minimum rated 2A 20-B:C fire extinguishers or charged water hose equipped with a nozzle. Must be within 30 feet of operation and accessible without climbing stairs or ladders. <p>2. Provide a detailed narrative describing the type of hot-work operations performed in the field.</p> <p><u>MOBILE</u></p> <p>1. Provide a detailed narrative describing the type of hot-work operations performed in the field.</p> <p>2. Include the type of hot-work equipment to be used in the field.</p> <p><u>FIXED/MOBILE</u></p> <p>1. Provide a fire watch in accordance with Article 49 of the Clark County Fire Code 2005</p>

FIXED	MOBILE	COMBINATION FIXED & MOBILE
		<p>edition.</p> <p>2. Maintain a completed (signed) HOT-WORK OPERATIONS/FIRE WATCH PROCEDURES AND SAFETY SIGN-OFF SHEET at the job site.</p>



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TITLE: Hot –Work Operations/Fire Watch Procedures and Safety Sign-off Sheet

SCOPE: Hot work operations shall be in accordance with this guide and the requirements contained in the 2005 Clark County Fire Code

PURPOSE: To provide standardized sign-off sheet for the Clark County Fire Department (CCFD) requirements relating to conducting hot work operations.

SPECIFICATIONS AND REQUIREMENTS

Business Name of Contractor Conducting the Hot Work:

Business Address of Contractor Conducting the Hot Work:

Business Name for Hot Works Location

Business Address for Hot Works Location

CCFD Hot Work Permit Number: _____

Dates of Hot Work Operation Conducted: Start: _____ **End:** _____

Permit Expiration Date: From: _____ **To:** _____

Conducting Hot Work Operations- The use of welding, cutting and other hot-work equipment shall be in accordance with Article 49 of the 2005 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-work Area – Hot work shall not be conducted in areas where flammable/combustible atmospheres may be present. Some examples include, but are not limited to, flammable liquids or vapors, lint, dust, or combustible storage. Appropriate shielding shall be provided to prevent ignition of combustibles materials.

Hot-work Equipment - Shall be inspected by the operator prior to use. Equipment shall be in good repair and in proper operating condition.

The Hot-work Site - Shall be inspected by the individual responsible for the hot work for compliance.

The inspection of the hot-work site shall ensure that:

1. Notify facility personnel (owner/owner representative) providing location, type of work to be performed, duration of hot-work operations on a daily basis, AND FOLLOW ALL THE IN-HOUSE INTERNAL HOT WORK PROCEDURES.
2. The hot-work site is clear of combustibles or that combustibles are protected;
3. Exposed construction is of noncombustible materials or that combustible materials within 35' are protected;
4. Openings within 35' are protected;
5. Floors within 35' are kept clean;
6. There are no exposed combustibles on the opposite side of partitions, walls, ceilings and floors;
7. 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.
8. Fire watches are assigned, equipped and trained; and
9. Fire extinguishers or charged water hose shall be verified as operable and available.
10. Actions have been taken to prevent accidental activation of suppression & detection equipment.
11. If any of these conditions cannot be met, then the hot-work operation shall not be performed.

Fire Watch Personnel Qualifications:

1. Be physically capable and willing to walk the building during the duration of the shift. The floor should be walked in a time period not to exceed 5 minutes, with the entire building being toured every 15 minutes.

2. Walk the designated hot work areas and other fire exposures continuously during the entire hot work operations (except for breaks) and continue fire watch 30 minutes after the conclusion of the work. Replacement fire watch personnel must be provided to continue fire watch during personnel breaks.
3. Be equipped with, and able to use a bullhorn (or other loud sounding device), flashlight, remote radio and cellular phone.
4. Be capable of and willing to assist employees vacating the building in an emergency situation while utilizing a flashlight to illuminate the path of egress for evacuating employees.
5. Be trained in the use of a portable fire extinguisher and capable of extinguishing a small incipient fire utilizing a portable fire extinguisher.
6. Be instructed in and be familiar with emergency notification and evacuation procedures and capable of notifying employees of an emergency and then assisting employees to evacuate the building. All fire watch personnel on the property are responsible for responding immediately to any building where a fire condition is discovered. Upon discovery of a fire, fire watch personnel shall contact the Clark County Fire Department immediately (Dial 9-1-1), then advise all other fire watch personnel of the emergency in order to obtain their assistance in notifying and evacuating employees.

(Print Name, Title, Contact Phone Number)

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 _____