

HOT WORK PERMIT

STOP!

Avoid hot work when possible! Consider using an alternative cold work method.

This Hot Work Permit is required for any temporary operation involving open flames or producing heat and/or sparks conducted outside a Hot Work Designated Area. This includes, but is not limited to brazing, cutting, grinding, soldering, torch-applied roofing and welding.

Instructions for Permit Authorizer

1. Specify the precautions to take.
2. Fill out and keep **Part 1** during the hot work process.
3. Issue **Part 2** to the person doing the job.
4. Keep **Part 2** on file for future reference, including signed confirmation that the post-work fire watch and monitoring have been completed.
5. Sign off the final check on **Part 2**.

Part 1

Required Precautions

Y NA

- The fire pump is in operation and switched to automatic.
- Control valves to water supply for sprinkler system are open.
- Extinguishers are in service/operable.
- Hot work equipment is in good working condition.

Requirements within 35 ft. (10 m) of hot work

- Shield combustible construction using listed (e.g., FM Approved) welding pads, blankets and curtains.
- Remove or shield nonremovable combustibles using listed (e.g., FM Approved) welding pads, blankets and curtains.
- Isolate potential sources of flammable gas, ignitable liquid or combustible dust/lint (e.g., shut down equipment).
- Remove ignitable liquid, combustible dust/lint and combustible residues.
- Shut down ventilation and conveying systems.
- Remove combustibles and consider a second fire watch on opposite side of floor, wall, ceiling or roof when openings exist or thermally conductive materials pass through.
- Is work on a combustible building assembly (e.g., torch-applied roofing)? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Hot work on/in closed equipment, ductwork or piping

- Isolate equipment from service.
- Remove ignitable liquid and purge flammable gas/vapor.
- Prior to work, and/or during work, monitor for flammable gas/vapor. LEL reading(s): _____
- Remove combustible dust/lint or other combustible materials.
- Is work on/in equipment with nonremovable combustible linings or parts? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Fire watch/fire monitoring the hot work area

Times listed are sufficient for majority. Use Table at back of permit for guidance for combustible concealed cavities, roof work or favorable factors.

- Perform a continuous fire watch during hot work.
- Perform a continuous fire watch post-work for
 - 1 hour or Other _____ hours.
- Perform fire monitoring for
 - 3 hours or Other _____ hours.

ADDITIONAL REQUIRED PRECAUTIONS:

HOT WORK BY

- Employee _____
- Contractor _____

DATE

JOB NUMBER

LOCATION OF WORK (BUILDING/FLOOR/OBJECT)

WORK TO BE PERFORMED

NAME OF PERSON PERFORMING HOT WORK

NAME OF PERSON PERFORMING FIRE WATCH

I verify the above location has been examined, the Required Precautions have been taken, and permission is authorized for this work.

PERMIT AUTHORIZER (PRINT AND SIGN)

THIS PERMIT EXPIRES ON (LIMIT AUTHORIZATION TO ONE SHIFT):

DATE: _____ TIME: _____ AM PM

Note: Emergency notification on back of form.

Additional FM Global Resources:

Property Loss Prevention Data Sheet 10-3, *Hot Work Management*
 Hot Work Permit form (F2630) via fmglobalcatalog.com
 Online training at training.fmglobal.com
 FM Approved equipment via fmapprovals.com



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WARNING

HOT WORK IN PROGRESS! Watch for fire!

Instructions

Person performing hot work: Record time started and display permit at hot work area. After hot work is completed, record time and leave permit displayed for fire watch.

Fire watch: Watch area during hot work and after work completion. Prior to leaving area, perform final inspection, sign, leave permit displayed and notify Fire Monitor or Permit Authorizer.

Fire monitor: Monitor area after post-work fire watch completion. Perform final inspection, sign and return to Permit Authorizer.

HOT WORK BY

Employee

Contractor _____

DATE

JOB NUMBER

LOCATION OF WORK (BUILDING/FLOOR/OBJECT)

WORK TO BE PERFORMED

NAME OF PERSON PERFORMING HOT WORK

NAME OF PERSON PERFORMING FIRE WATCH

I verify the above location has been examined, the Required Precautions have been taken, and permission is authorized for this work.

PERMIT AUTHORIZER (PRINT AND SIGN)

THIS PERMIT EXPIRES ON (LIMIT AUTHORIZATION TO ONE SHIFT):

DATE: _____ TIME: _____ AM PM

Hot Work Date: _____ Start Time: _____ AM PM

Finish Time: _____ AM PM

Post-Work Fire Watch Finish Time: _____ AM PM

Name

Fire Monitor Person Other Finish Time: _____ AM PM

Name/Other

Final Check Time: _____ AM PM

Name

Part 2

Y NA

- The fire pump is in operation and switched to automatic.
- Control valves to water supply for sprinkler system are open.
- Extinguishers are in service/operable.
- Hot work equipment is in good working condition.

Requirements within 35 ft. (10 m) of hot work

- Shield combustible construction using listed (e.g., FM Approved) welding pads, blankets and curtains.
- Remove or shield nonremovable combustibles using listed (e.g., FM Approved) welding pads, blankets and curtains.
- Isolate potential sources of flammable gas, ignitable liquid or combustible dust/lint (e.g., shut down equipment).
- Remove ignitable liquid, combustible dust/lint and combustible residues.
- Shut down ventilation and conveying systems.
- Remove combustibles and consider a second fire watch on opposite side of floor, wall, ceiling or roof when openings exist or thermally conductive materials pass through.
- Is work on a combustible building assembly (e.g., torch-applied roofing)? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Hot work on/in closed equipment, ductwork or piping

- Isolate equipment from service.
- Remove ignitable liquid and purge flammable gas/vapor.
- Prior to work, and/or during work, monitor for flammable gas/vapor. LEL reading(s): _____
- Remove combustible dust/lint or other combustible materials.
- Is work on/in equipment with nonremovable combustible linings or parts? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Fire watch/fire monitoring the hot work area

Times listed are sufficient for majority. Use Table at back of permit for guidance for combustible concealed cavities, roof work or favorable factors.

- Perform a continuous fire watch during hot work.
- Perform a continuous fire watch post-work for
 1 hour or Other _____ hours.
- Perform fire monitoring for
 3 hours or Other _____ hours.

ADDITIONAL REQUIRED PRECAUTIONS:

WARNING

HOT WORK IN PROGRESS!

Watch for fire!

In case of emergency, call the contacts listed below before attempting to extinguish the fire.

| Contact | Number |
|---------|--------|
| | |
| | |

Construction and Occupancy Factors for Post-Work Fire Watch and Monitoring Periods

| | | Construction Factors | | | | | |
|-------------------|--|---|---------|---|---------|--|---------|
| | | Noncombustible construction, or FM Approved Class 1 or Class A building materials | | Combustible construction without concealed cavities | | Combustible construction with unprotected concealed cavities | |
| | | Watch | Monitor | Watch | Monitor | Watch | Monitor |
| Occupancy Factors | Noncombustible with any combustibles contained within closed equipment (e.g., ignitable liquid within piping) | 30 minutes | 0 hours | 1 hour | 3 hours | 1 hour | 5 hours |
| | Office, retail or manufacturing with limited combustible loading | 1 hour | 1 hour | 1 hour | 3 hours | 1 hour | 5 hours |
| | Manufacturing with moderate to significant combustible loading except as noted below | 1 hour | 2 hours | 1 hour | 3 hours | 1 hour | 5 hours |
| | Warehousing | 1 hour | 2 hours | 1 hour | 3 hours | 1 hour | 5 hours |
| | Exceptions: Occupancies with processing or having bulk storage of combustible materials capable of supporting slow-growing fires (e.g., paper, pulp, textile fibers, wood, bark, grain, coal or charcoal) | 1 hour | 3 hours | 1 hour | 3 hours | 1 hour | 5 hours |

When performing torch-applied roofing, apply additional precautions and conduct a minimum 2-hour fire watch and 2 hours fire monitoring. If an infrared camera is utilized, reduce to a 1-hour fire watch and 1 hour fire monitoring.

When performing hot work on/in equipment containing nonremovable combustible linings or parts, apply additional precautions and conduct a minimum 1-hour fire watch and 3 hours fire monitoring within the equipment, and in the surrounding areas per Table above.

