

# **Common Fire Hazards**

Fire Prevention Division
2330 McCulloch Blvd.
Lake Havasu City, AZ 86403

Below are common fire code violations which must be corrected to be compliant with the adopted LHCFD Fire Code.

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LAKE HAVASU CITY

This Check Sheet is not intended to be all-inclusive, however, it is a diagnostic tool provided to improve the fire and life safety of your business.

ADMIN # \*Requirements are based on the 2018 International Fire Code (IFC) unless otherwise specified.

IFC	1. Inspection authority. The Fire Code Official (FCO) is authorized to enter and examine any bu	uilding, structure, marine vessel, vehicle or
§ 107.1	premises in accordance with Right of Entry provisions for the purpose of enforcing the fire code.	
108.1	2. <b>Maintenance of safeguards.</b> Where any installed device, equipment, system, condition, arral feature is required for compliance with the provisions of this code or referenced standard, shall be	
108.6	3. <b>Overcrowding.</b> Overcrowding or admittance of any person beyond the <i>approved</i> capacity of a allowed. The <i>FCO</i> , on finding any overcrowding conditions or obstructions in <i>aisles</i> , passagewa any condition that constitutes a life safety hazard, shall be authorized to cause the event to be s	ys or other <i>means of egress,</i> or on finding
110.2	4. Owner/occupant responsibility. Correction and abatement of violations of the fire code shall owner's authorized agent. Where an occupant creates, or allows to be created, hazardous condi shall be held responsible for the abatement of such hazardous conditions.	
111.1	5. <b>Unsafe buildings.</b> If during the inspection of a premises, a building or structure, or any building clear and inimical threat to human life, safety or health, the <i>FCO</i> shall issue such notice or order shall be deemed necessary in accordance with this section, and shall refer the building to alterations, remodeling, removing or demolition required.	ers to remove or remedy the conditions as
111.2	6. <b>Unsafe conditions.</b> Structures or existing equipment that are or hereafter become unsafe or egress, that constitute a fire hazard, are otherwise dangerous to human life or the public welfare or inadequate maintenance, shall be deemed an unsafe condition. A vacant structure that is n required by the <b>Vacant Premises</b> provisions shall be deemed unsafe.	e, or involve illegal or improper occupancy
112.1	7. <b>Stop Work Order.</b> Where the <i>FCO</i> finds any work regulated by this code being performed in a code, or in a dangerous or unsafe manner, the <i>FCO</i> is authorized to issue a stop work order. Fe	
113.1	8. <b>Authority to disconnect service utilities.</b> The FCO shall have the authority to authorize disc structure or system in order to safely execute emergency operations or to eliminate an immediate	,

### EXITING

<b>EXITIN</b>	<u>; -                                     </u>	
1004.9	9. Post a permanently designed and durable Occupancy Load Sign on a wall Adjacent to the Main Entry Doors in rooms and space	ces
	used for Public Assembly. Approved Occupant Loads: Date approved://	
1006.3.3	10. Ensure at least <b>2 Exits are present</b> in <b>1 story</b> A, B, E, F and M occupancies serving <b>50 or more persons</b> . 30 or more in Group S.	
1006.3.3	11. Ensure that in Multi-stories B, F, M and S Occupancies that are designed for 30 or more occupants, have access to a Second Exit.	
1008.2	12. Ensure that the entire <b>Means of Egress</b> is <b>illuminated</b> at all times when the building is occupied.	
1010.1.1	13. Ensure that the Clear Opening Door Width is at least 32" at 90 degrees and the maximum door width is not over 48" in width.	
1010.1.2.1	14. Ensure that all exit doors <b>Swing in Direction of Exit Travel</b> where serving <b>50 or more persons.</b>	
1010.1.3	15. Repair or replace exit doors so that they are <b>Easily Openable</b> using less than <b>5 pounds</b> of force (interior) and <b>15 pounds</b> for others.	
1010.1.9	16. Ensure that all required egress doors are readily openable from the egress side, Without the Use of a Key, Special Knowledge,	or
	Effort. Remove Deadbolts as they are considered special knowledge latching devices.	
1010.1.9.1	17. Use only Door Hardware which doesn't require tight grasping, pinching, or twisting of the wrist to operate required Accessible doors	i.
1010.1.9.2	18. Ensure that <b>Door Operating Hardware</b> is <b>Located Between 34" and 48"</b> above the finished floor.	
1010.1.9.4	19. Post a Durable Sign above, or adjacent to, the main exit door(s) stating: "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE	IS
	OCCUPIED", using 1-inch High Letters, on a contrasting background.	
1010.1.9.5	, , , , ,	
1010.1.9.6	21. Ensure that all required egress doors are readily openable from the egress side, using only <b>One Operation to Unlatch.</b>	
1010.1.10	22. Ensure that doors serving rooms or spaces with an Occupant Load of 50 or more persons, in Group A or E occupancies, are provided	led
	with only Fire Exit or Panic Hardware. Any exceptions will be noted on this report.	
1013.1	23. Add additional approved Exit Signs in rooms or areas requiring two or more exits. Electric signs may be Green or Red. Ensure that	all
	required Exit Signs are easily visible from all directions.	
1014.1	24. Repair handrails at stairs and/or ramps, so not to pose a safety hazard.	
1028.5	25. Ensure that people can get out of the building and to a <b>Public Way</b> or <b>Safe Dispersal Area</b> at least <b>50 feet away from buildings</b> .	
1031.2	26. Remove obstructions from all <b>Means of Egress</b> and keep exit accesses, discharges and exits <b>free from Obstructions</b> .	
1031.4	27. Remove obstructions so that <b>Exit Signs</b> are visible from all points of the room or space.	
1031.5	28. Install a durable minimum 7" x 10" <b>NOT AN EXIT</b> sign on or above doors which may be confused with exit doors.	
1031.10	29. Repair or replace non-operational Emergency Lighting Equipment. Ensure that units are inspected and illuminate for at least 30 secon	ıds
	each month and tested annually for 90 minutes. Add where required. Keep a Validation Log on the premises.	
1104.3	30. Repair or replace all illuminated Exit Signs so they are lit at all times. Replace dead batteries. Ensure that the face of an Externa	ılly
	Illuminated Exit Sign has at least 5-foot candles of light present at all times. Ensure that Self-luminous Exit Signs are current.	
1104.18	31. Ensure that <b>Common Path of Exit Travel</b> distances are within acceptable limits per IFC Table 1104.18.	

### FIRE EXTINGUISHING SYSTEMS

507.5.2	32. Have all Private Fire Service Mains and Hydrants serviced now, and annually hereafter, and per LHCFD Specification #05 Water
	systems, fire hydrants, maintenance and testing standards.
509.2	33. Remove storage, trash or other materials from the <b>Access Path</b> from the entry door to the fire protection equipment.
607.3.3	34. Have all <b>Kitchen Hoods</b> , ducts & cooking equipment <b>cleaned</b> and kept free from accumulations of <b>grease</b> . Keep records on site.
901.4.6.2	35. Affix approved durable and legible sign(s) stating "FIRE SPRINKLER RISER ROOM" or other approved language, on access doors
	leading into rooms where sprinkler risers are located. White sign letters are to be minimum 2" in height on a Red background.
901.6	36. Have the <b>Automatic Fire Protection</b> or <b>Detection System</b> serviced, <b>immediately</b> for <b>Repairs</b> , by an approved Licensed Contractor.
901.6.1	37. Have the Automatic Fire Sprinkler System Serviced now and annually hereafter. Affix a current Service Label on the riser.
901.6.1	38. Add missing sprinklers to the Spare Sprinkler Cabinet to ensure at least 6 spare sprinklers represent each type installed in the building
	and that the corresponding wrenches are present. NFPA 25 §5.4.1.5.4 & .5 Additional sprinklers may be required.
901.7	39. Institute Fire Watch procedures when the fire protection system is out of service. See LHCFD Spec. #10 Fire watch order procedure,
	authorization & notice.
901.8	40. Replace all <b>sprinklers</b> that display unauthorized <b>Paint, Corrosion</b> , or <b>Damage</b> . Relocate sprinklers that are <b>Obstructed</b> .
903.2.4.1	41. An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain Woodworking Operations
	in excess of 2,500 square feet in area that generate or use finely divided combustible materials (dust).
903.3.3	42. Remove obstructions impairing the full operation and <b>Coverage Pattern</b> of sprinklers or have sprinklers installed beneath obstructions
	greater than 4-feet in width.
903.4	43. Ensure that the fire sprinkler system is being <b>Electronically Supervised</b> by a listed fire alarm control unit (FACU). See <b>LHCFD Spec.</b>
	#17 Fire sprinkler monitoring
904.1	44. Have all <b>Wet &amp; Dry Chemical Alternative Automatic Extinguishing Systems</b> serviced now and <u>semi-annually</u> hereafter. Ensure that
904.12.5	a current service tag is affixed to the equipment in a conspicuous location. See LHCFD Spec. #07 Protection of commercial cooking
	operations.
904.1	45. Have all CO <sub>2</sub> , Halon, and Clean Agent Systems, inspected and tested for proper operation, now and at least annually by personnel
	qualified in the testing of clean agent extinguishing systems and at checked least <u>semi-annually</u> for agent quantity and pressure.
903.3.8.4	46. Ensure that all <b>Automatic Sprinkler System Control Valves</b> are supervised and/or secured in the <b>OPEN</b> position.
912.2.2	47. Affix an approved FDC sign, at least 6" in height, with 2" white letters on a Red background, in an approved location, indicating the
	location of the Fire Department Connection. Remove Obstructions to ensure unobstructed access to the FDC.

#### FIRE ALARM SYSTEMS

509.1	48. Affix a durable and legible minimum 6-inch "FACP" sign, or other approved language, with white letters on a Red background, on
	doors leading into rooms where Fire Alarm Control Panels are located. See also: NFPA 72 §10.18.3.2
907.6.5	49. Provide <b>Access</b> to each fire alarm device and notification appliance for periodic inspection, maintenance and testing.
907.6.6	50. Provide approved Supervising Station Monitoring, in accordance with NFPA 72, for the premises.
907.8.5	51. Have the building's Fire Alarm System serviced now and annually hereafter. Affix a current Service Tag at the FACP and ensure the
	system in an operational condition. The building owner is responsible to maintain all fire and life safety systems.

## FIRE EXTINGUISHERS

906.2	52.	Have expired fire extinguishers serviced or replaced now and annually hereafter. Ensue that current and valid Service Tags are
		attached and dated within one year. An attached sales receipt is acceptable if purchased within one (1) year.
906.3	53.	Install a Minimum 2-A:10-B:C fire extinguisher and additional extinguishers where required. Add extinguishers within a maximum
		travel distance of 75-feet of all areas of the occupancy. Special extinguishers may require shorter travel distances.
		See LHCFD Spec. #03 Portable Fire Extinguisher Requirements.
906.3.2	54.	Install minimum 3-A:40-B:C fire extinguishers in areas involving flammable or combustible liquids within 30 feet of the work areas or
		4-A:80-B:C extinguishers within an 80 feet travel distance.
906.5	55.	Locate fire extinguishers along Exit Paths, preferably near the exits.
906.6	56.	Locate fire extinguishers so that they are Conspicuously Located and Unobstructed. Use Directional Signs where indicated.
906.9	57.	Hang extinguishers on a Wall, using Hangers or Brackets, so that its top is not more than 5-feet above the floor and the bottom is
		not less than <b>4-inches above the floor</b> ; 3.5 feet for >40 pounds. Fire Extinguisher <b>Cabinets</b> may be used in lieu of hooks or brackets.

# HOUSEKEEPING

304.1.2	58. Remove Combustible Waste Material and Dead Vegetation from the buildings and on the premises.
304.3.1	59. Store materials susceptible to <b>Spontaneous Ignition</b> , or those deemed a <b>fire hazard</b> (such as <b>Oily Rags</b> ) in self-closing metal cans.
	60. Relocate <b>Dumpsters</b> and containers of <b>Combustible Material</b> at least <u>5-feet away from combustible walls and building openings</u> .
308.3.1	61. Curtail the use of Open-Flame Decorative Devices including Candles. See LHCFD Spec. #14 Candles & other open flame devices.
310.3	62. Affix durable Red/White 'NO SMOKING' signs in areas deemed to be hazardous (i.e. hazardous materials, combustible storage, etc.).
	63. Where <b>Smoking is Permitted</b> , provide suitable <b>non-combustible Ash Trays</b> or cans on each table and at other appropriate locations.
	64. Provide approved <b>Vehicle Impact Protection</b> meeting the standards in LHCFD Spec #15 Vehicle Crash Protection.
315.3	65. Clean up Interior Storage of Combustible Materials so they are stored in an Orderly and stable fashion.
315.3	66. Relocate Heating Equipment, including Space Heaters, at least 3-feet away from combustible materials or provide shielding.
315.3.1	67. Reduce Storage Height to at least 2-feet beneath ceilings in non-sprinklered buildings except along walls.
315.3.1	68. Reduce <b>Storage Height</b> to at least <b>18-inches</b> beneath the level of sprinkler spray deflectors except along walls.

315.3.2	69.	Remove Combustible Material Storage from exits and Exit Enclosures for stairways and ramps.
315.3.3	70.	Remove Combustible Storage, and refrain from storing these materials in Mechanical Rooms and Electrical Equipment Rooms.
315.4	71.	Remove Dead Vegetation and/or Exterior Combustible Storage within 10-feet of property lines. You may store materials 3-feet away
		from lot lines if piles do not exceed <b>6-feet</b> in height and approved by the LHCFD. Reduce open storage to below <b>20</b> ' in height.
318	72.	Replace combustible Laundry Carts (= or > 1 cu. yard), with non-combustible carts, within un-sprinklered buildings.
319.1	73.	Ensure that all Mobile Food Preparation Vehicles comply with the IFC. See LHCFD Sec. 28 Mobile food units.

#### ELECTRICAL

#19 Electrical equipment wiring and hazards.  604.1 75. Replace missing Blank Covers where Breakers are missing in Electrical Panels.  604.1 76. Remove all spliced and Damaged Flexible Electrical Cords, or appliances and replace with approved wiring.  604.3 77. Maintain a Clearance around Electrical Panels providing a minimum clear width of 30", a depth of 36", and a height of 78".  604.3.1 78. Mark Doors leading into Electrical Control Panel Rooms with durable and legible Signs stating "ELECTRICAL ROOM" whe room is not obviously an electrical room. Sign to be nominal 5" x 7" size or as approved. ELECTRICAL PANEL signs may be received.  604.4 80. Remove and refrain from using Unfused Multi-plug Adapters (Cube Adapters or plug-strips). Use Fused Power Taps instead Install approved Relocatable Power Taps (strips), of the polarized or grounded type, equipped with Overcurrent Protection is to UL or ETL standards, in lieu of extension cords or unfused devices. Daisy chaining power taps (in series) is prohibited.  604.4.2 82. Connect Power Taps (strips) directly into permanently installed Outlets. Refrain from connecting power taps in series (Daisy-Check Council Coverings or otherwise subject power cords to Environmental Damage or Physical Impact.  604.5 84. Remove all Unauthorized Extension Cords used in lieu of permanent wiring. Consider using Fused Power Taps instead (see a Ensure that all permitted Temporary Extension Cords are sized appropriately to supply only 1 appliance.  604.6 86. Provide approved covers over all Electrical Boxes and Junction Boxes with Open Wiring Splices, Switches and Outlets.  604.8 87. Repair Electrical Motors to keep them free from accumulations of oil waste and other debris. Clean up Leaks and Spills.  604.10 88. Ensure that all Portable Electric Space Heaters are located at least 3-feet from combustible materials, are not located beneath	ELECT	NIC	AL
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listed to <b>UL or ETL standards</b> , in lieu of extension cords or unfused devices. Daisy chaining power taps (in series) is prohibited.  Connect <b>Power Taps</b> (strips) directly into permanently installed <b>Outlets</b> . Refrain from connecting power taps in series ( <b>Daisy-Cr</b> Refrain from affixing <b>Flexible Power Cords</b> to structures; extending power cords <b>through Walls</b> , <b>Ceilings or Floors</b> , <b>beneath or Floor Coverings</b> or otherwise subject power cords to <b>Environmental Damage</b> or <b>Physical Impact</b> .  Remove all <b>Unauthorized Extension Cords</b> used in lieu of permanent wiring. Consider using <b>Fused Power Taps</b> instead (see a Ensure that all permitted <b>Temporary Extension Cords are sized appropriately</b> to supply only <b>1</b> appliance.  Ensure that all permitted <b>Temporary Extension Cords are sized appropriately</b> to supply only <b>1</b> appliance.  Provide approved covers over all <b>Electrical Boxes</b> and <b>Junction Boxes</b> with <b>Open Wiring Splices</b> , <b>Switches</b> and <b>Outlets</b> .  Repair <b>Electrical Motors</b> to keep them free from accumulations of oil waste and other debris. Clean up <b>Leaks</b> and <b>Spills</b> .  Ensure that all <b>Portable Electric Space Heaters</b> are located at least <b>3-feet</b> from combustible materials, are not located beneath the standard of the combination of th	604.4	80.	Remove and refrain from using <b>Unfused Multi-plug Adapters</b> ( <b>Cube Adapters</b> or plug-strips). Use <b>Fused Power Taps</b> instead.
604.4.2 82. Connect Power Taps (strips) directly into permanently installed Outlets. Refrain from connecting power taps in series (Daisy-Ch 604.4.3 Refrain from affixing Flexible Power Cords to structures; extending power cords through Walls, Ceilings or Floors, beneath or Floor Coverings or otherwise subject power cords to Environmental Damage or Physical Impact.  84. Remove all Unauthorized Extension Cords used in lieu of permanent wiring. Consider using Fused Power Taps instead (see a 604.5.1 85. Ensure that all permitted Temporary Extension Cords are sized appropriately to supply only 1 appliance.  86. Provide approved covers over all Electrical Boxes and Junction Boxes with Open Wiring Splices, Switches and Outlets.  87. Repair Electrical Motors to keep them free from accumulations of oil waste and other debris. Clean up Leaks and Spills.  88. Ensure that all Portable Electric Space Heaters are located at least 3-feet from combustible materials, are not located beneath the second supposed to the second supposed supposed to the second supposed supposed to the second supposed suppose	604.4.1	81.	Install approved Relocatable Power Taps (strips), of the polarized or grounded type, equipped with Overcurrent Protection and
83. Refrain from affixing Flexible Power Cords to structures; extending power cords through Walls, Ceilings or Floors, beneath or Floor Coverings or otherwise subject power cords to Environmental Damage or Physical Impact.  84. Remove all Unauthorized Extension Cords used in lieu of permanent wiring. Consider using Fused Power Taps instead (see at 604.5.1 lensure that all permitted Temporary Extension Cords are sized appropriately to supply only 1 appliance.  85. Ensure that all permitted Temporary Extension Cords are sized appropriately to supply only 1 appliance.  86. Provide approved covers over all Electrical Boxes and Junction Boxes with Open Wiring Splices, Switches and Outlets.  87. Repair Electrical Motors to keep them free from accumulations of oil waste and other debris. Clean up Leaks and Spills.  88. Ensure that all Portable Electric Space Heaters are located at least 3-feet from combustible materials, are not located beneath the surface of the control of			listed to <b>UL or ETL standards</b> , in lieu of extension cords or unfused devices. Daisy chaining power taps (in series) is prohibited.
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84. Remove all <b>Unauthorized Extension Cords</b> used in lieu of permanent wiring. Consider using <b>Fused Power Taps</b> instead (see a 604.5.1 85. Ensure that all permitted <b>Temporary Extension Cords are sized appropriately</b> to supply only <b>1</b> appliance.  86. Provide approved covers over all <b>Electrical Boxes</b> and <b>Junction Boxes</b> with <b>Open Wiring Splices, Switches</b> and <b>Outlets</b> .  87. Repair <b>Electrical Motors</b> to keep them free from accumulations of oil waste and other debris. Clean up <b>Leaks</b> and <b>Spills</b> .  88. Ensure that all <b>Portable Electric Space Heaters</b> are located at least <b>3-feet</b> from combustible materials, are not located beneath the first part of the first par	604.4.3	83.	Refrain from affixing Flexible Power Cords to structures; extending power cords through Walls, Ceilings or Floors, beneath Doors
604.5.1 85. Ensure that all permitted <b>Temporary Extension Cords are sized appropriately</b> to supply only <b>1</b> appliance. 604.6 86. Provide approved covers over all <b>Electrical Boxes</b> and <b>Junction Boxes</b> with <b>Open Wiring Splices, Switches</b> and <b>Outlets</b> . 604.8 87. Repair <b>Electrical Motors</b> to keep them free from accumulations of oil waste and other debris. Clean up <b>Leaks</b> and <b>Spills</b> . 604.10 88. Ensure that all <b>Portable Electric Space Heaters</b> are located at least <b>3-feet</b> from combustible materials, are not located beneath			or Floor Coverings or otherwise subject power cords to Environmental Damage or Physical Impact.
604.6 86. Provide approved covers over all Electrical Boxes and Junction Boxes with Open Wiring Splices, Switches and Outlets. 604.8 Repair Electrical Motors to keep them free from accumulations of oil waste and other debris. Clean up Leaks and Spills. 604.10 88. Ensure that all Portable Electric Space Heaters are located at least 3-feet from combustible materials, are not located beneath.	604.5	84.	Remove all <b>Unauthorized Extension Cords</b> used in lieu of permanent wiring. Consider using <b>Fused Power Taps</b> instead (see above).
87. Repair <b>Electrical Motors</b> to keep them free from accumulations of oil waste and other debris. Clean up <b>Leaks</b> and <b>Spills</b> . 88. Ensure that all <b>Portable Electric Space Heaters</b> are located at least <b>3-feet</b> from combustible materials, are not located beneath	604.5.1	85.	Ensure that all permitted <b>Temporary Extension Cords are sized appropriately</b> to supply only <b>1</b> appliance.
88. Ensure that all <b>Portable Electric Space Heaters</b> are located at least <b>3-feet</b> from combustible materials, are not located beneath	604.6	86.	Provide approved covers over all Electrical Boxes and Junction Boxes with Open Wiring Splices, Switches and Outlets.
	604.8	87.	Repair Electrical Motors to keep them free from accumulations of oil waste and other debris. Clean up Leaks and Spills.
and are connected Directly into Approved Recentacles	604.10	88.	Ensure that all Portable Electric Space Heaters are located at least 3-feet from combustible materials, are not located beneath desks,
and are connected bireary into Approved Receptacies.			and are connected Directly into Approved Receptacles.

### **MISCELLANEOUS**

LHCC	89. Obtain a current Lake Havasu City Business License. Post your license in a Conspicuous Location on site (LHC Code §5.04.020
110.1.1	90. Ensure that the Structures and Conditions are Safe and Free from Hazards posing undue Risks to Firefighters.
3205.1	91. Either bolt down Storage Racks to the floor where the top shelf exceeds 8' in height or reduce the height of the top shelf at or below
	feet. Contact the LHC Building Division regarding requirements for properly securing your racks.
503.2.1	92. Mark all Fire Lanes, keeping an Unobstructed width of at least 20-feet and vertical clearance of at least 13-feet 6-inches, per LHCF
503.3	Spec # 01 Fire Apparatus Access & Marking of Fire Lanes.
503.4	93. Maintain all Fire Lanes to include Signs and approved Curb Markings (See item above).
503.6	94. Install an approved means of emergency operation Knox Key Switch for your security gates for emergency access in an approved
	location. Ensure that the emergency operation feature is maintained operational at all times.
504.2	95. Affix a Durable Sign with minimum 6" high letters, on a contrasting background, stating "THIS DOOR BLOCKED", on a
	firefighter access doors that are authorized to be obstructed by structure, drywall, racking, approved storage, etc.
505.1	96. Affix durable, minimum 6" Building Address numbers on all buildings and suites, fronting the property, large enough and on
	contrasting background, so they are easily visible from the street, and per LHC FD Spec # 02 Posting Premise Identification.
505.1	97. Affix durable, minimum 4" Individual Suite Address Numbers, adjacent to the suites, and large enough to be Visible from the Street
506.1	98. Where Access to a structure, area, or secured openings are restricted, or immediate access is necessary for life-saving or firefighting
	purposes exists, install a Knox Box and/or provide building keys, per LHC FD Spec #04 Knox Rapid Entry System, when required
506.2	99. Provide appropriate <b>Essential Keys</b> to deposit into the Knox Box by a member of the Lake Havasu City Fire Department.
507.5.5	100. Clear an area around <b>Private Fire Hydrants</b> so that they are accessible within a <b>3-foot Diameter around the Hydrant</b> .
3504.1	101. Ensure that all <b>Welding, Cutting</b> and other <b>Hot Work Operations</b> are carried out in a safe manner.
	See LHCFD Spec #6 Welding and other hot works.

### **HAZARDOUS MATERIALS (HM)**

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603.4.2.1.1	102. Relocate the storage or use of <b>Portable Outdoor Gas-fired Heating Appliances</b> to an approved outdoor location.
2301.1	103. Refrain from <b>Dispensing Fuels</b> from unauthorized containers/locations. See LHCFD Spec. #21 Standards for Temporary AST & Motor
	Fueling Dispensing.
2311.2.3.2	104. Dispose of Oily Rags and waste in approved self-closing metal cans. Obtain and locate Oily Waste Cans where needed.
5003.1.1	105. Reduce storage and/or use of HM below the Maximum Allowable Quantity (MAQ) Per Control Area as prescribed in the IFC.
5003.5	106. Install or maintain visible Hazard Identification Signs as specified in NFPA 704 for the specific material contained on stationary containers
	and aboveground tanks and at entrances to locations where hazardous materials are stored, dispensed, used or handled per LHCFD
	Specification #25 Hazardous Materials Storage, Dispensing, Use & Handling.
5003.5.1	107. Mark Individual Containers of hazardous materials in an approved manner to easily identify the contents.
5003.7.1	108. Post durable "NO SMOKING" signs at all entrances to the facility or area. Create Designated Smoking Areas within or outside such
	facilities where smoking is permitted, and identify with signs designating that "Smoking is Permitted in This Areas Only".

5003.9.8	109.	Separate incompatible HM where containers have a capacity of more than 5-pounds or 1/2 gallon (e.g. acids from oxidizers 20'). See
		LHCFD Spec. #20 Safe display storage of pool chemicals.
5003.9.9	110.	Arrange Shelf Storage, of Flammable and Combustible Liquid containers, so it is neat and orderly. Anchor or Brace racks and provide
		a Lip or Guard where used for the storage of individual containers to prevent their displacement.
5303.5.3	111.	Chain or otherwise secure Compressed Gas Cylinders, to structure, to protect them from Knock Over.
5307.3	112.	Install or maintain required insulated Carbon Dioxide (CO2) Detection Systems used in beverage dispensing applications.
	113.	See LHCFD Spec. #18 Insulated liquid CO2 systems used in beverage dispensing areas.
5704.3.4.4	114.	Store Flammable / Combustible Liquids, >10 gallons within buildings, inside approved Liquid Storage Cabinets or reduce.
6103.2.1.6	115.	Eliminate portable LP-Gas containers, >2.7 pounds water capacity (nominal), used with self-contained Torch Assemblies.
6104.1	116.	Remove Consumer type [DOT] Liquefied Petroleum-Gas cylinders from indoor locations in unauthorized occupancies
6109	117.	Comply with LHCFD Specification #12 Standards For Installation of LP-Gas Container Exchange Stations (online)

COMBUSTIBLE DUST-PRODUCING OPERATIONS (ADDENDUM)

2203.1	118. As the operator of a facility which generates combustible dust, ensure compliance with NFPA 652 Fundamental of <b>Combustible Dust</b> .
	See LHCFD Spec. #16 Standard for combustible dust control.
2203.2	119. Perform a <b>Dust Hazard Analysis (DHA)</b> in accordance with § 7.1.2 of NFPA 652 and meet the requirements of NFPA 652 as it applies
	to all new and existing facilities and operations with combustible dust hazard.
2203.3	120. Eliminate all <b>Sources of Ignition</b> , including space heaters, open flame, or the use of spark-producing equipment in areas where
	Combustible Dust is generated.
2203.4	121. Refrain from using <b>Compressed Air</b> or similar methods to remove dust from surfaces. Use dry mop or vacuum to collect the dust.
2203.4	122. Install, repair or replace <b>Dust Collection Systems and Ducting</b> to eliminate the combustible dust from suspending in the air.

FLAMMABLE FINISHES (ADDENDUM)

	ABLE FINISHES (ADDENDUM)
2404.2	123. Ensure that all <b>Flammable Spray-Finishing</b> operations are conducted in a spray room, spray booth or limited spraying space approved
	for such use. Refrain from spraying flammable or combustible liquids in unauthorized areas.
	124. See LHCFD Spec. #09 Flammable Finishes & Spray Booths.
2404.3	125. Consult with a qualified spray operations consultant regarding the <b>Design and Construction</b> of proposed <b>Spray Rooms</b> , <b>Spray Booths</b>
	or Spray Spaces which must be in accordance with the IFC and applicable NFPA Standards.
2404.4	126. Spray booths and spray rooms must be <b>Protected by an Approved Automatic Fire-extinguishing System</b> complying with IFC Ch.
	9. Ensure that Fire Protection extends to exhaust plenums, exhaust ducts and both sides of dry filters where such filters are used.
2404.5.2	127. Protect fire sprinklers installed in <b>Flammable Vapor Areas</b> from the accumulation of <b>Residue</b> from spraying operations in an approved
	manner. Bags used as a protective covering shall be 0.003-inch-thick polyethylene or cellophane.
2404.5.2	128. Replace <b>Damaged Fire Sprinklers</b> , contaminated by overspray particles, with new automatic sprinklers.
	129. Insure that the Interlocks for spraying apparatus, Drying Apparatus and ventilating system for the spray booth or spray room are
	installed and in working order.
2404.6.2	130. Ensure that where spraying spaces, spray rooms or spray booths are <b>Illuminated through Glass Panels</b> or other transparent materials,
	only approved fixed lighting units are utilized as a source of Illumination. Repair or replace broken or missing glass panels.
2404.7	131. Ensure that <b>Mechanical Ventilation</b> is in operation at all times while spraying operations are being conducted and for a sufficient time
	thereafter and that spraying equipment is Interlocked with the ventilation of the flammable vapor areas such that spraying operations
	cannot be conducted unless the ventilation system is in operation.
2404.7.8.3	132. Repair or replace damaged or missing Visible Gauges (e.g. Manometers), audible alarms or pressure-activated devices to indicate or
	ensure that the required air velocity is maintained in the spraying apparatus.
2404.9	133. <b>Limited spraying spaces</b> (LSS) must not exceed 9 sq. ft. and spray operations must not be of a continuous nature. Positive mechanical
	ventilation providing not fewer than 6 complete air changes per hour must be installed and must meet the requirements of the fire code
	for handling flammable vapor areas. Electrical wiring within 10 feet of the floor and 20 feet horizontally of the LSS shall be designed for
	Class I, Division 2 locations in accordance with NFPA 70. Apply for approval if the conditions can be met.

### FIRE PROTECTION BY FIRE RATED CONSTRUCTION

TIRE I ROTECTION BY THE RATED CONSTRUCTION	
701.5	134. Repair damaged and missing Fire-resistance-rated Construction including drywall. Ensure integrity of wall and ceiling openings.
705.2	135. Repair or replace inoperable <b>Fire Door Assemblies</b> . Ensure that they are unmodified and are fully functional.
705.2.1	136. Have Fire Door(s) inspected and maintained by an Approved Third-party Certification Organization accredited for listing the
	Opening Protective, and have a Service Label applied to the door in an approved location.
705.2.2	137. Permanently display on or near each <b>Fire Door</b> in letters not less than 1 inch high to read as follows:
	1. For doors designed to be kept normally open: FIRE DOOR—DO NOT BLOCK.
	2. For doors designed to be kept normally closed: FIRE DOOR—KEEP CLOSED.
705.2.4	138. Repair or replace <b>Swinging Fire Doors</b> so they <b>Close</b> from the full open position and <b>Latch</b> automatically
705.2.6	139. Have all horizontal, vertical and rolling Fire Doors Inspected and Tested now and annually hereafter. Keep service records on site.
807.2	140. Reduce the amount of combustible Curtains and other Decorative Materials, from walls and ceilings exceeding 10% of the wall or
807.4.3.2	ceiling area, or treat with Fire Retardant, per NFPA 701 standards where approved.
807.5.2.2	141. Reduce the amount of Combustible Artwork and Teaching Materials, from Corridor walls exceeding 20% in Group E (Schools).
807.5.2.3	142. Reduce the amount of Combustible Artwork and Teaching Materials, from Classroom walls exceeding 50% in Group E (Schools).

For questions regarding this Inspection Check Sheet, contact the LHCFD Fire Prevention Bureau at (928) 855-1141.

- See Pg. 3 for additional requirements -