



**FIRE LIFE SAFETY INSPECTION REPORT**

Occupancy/ FD #: KVFR Map #: 002-053-0001 Inspection Date: 4-3-2014

Business Name: Western Metals Business phone number: 962-4895

Address: 2613 Hwy 97, Ellensburg, Wa Mailing Address: same

Type of Business: Machine shop Business contact person: Jason Bjorkman

Occ Group: B Sq. Ft: 7000 Const. Type: \_\_\_\_\_ Sprinklers: \_\_\_\_\_ Alarms: \_\_\_\_\_ Fixed: \_\_\_\_\_

Permits: \_\_\_\_\_ Special Notes: Fire extinguisher service can be maintained by owner. Once extinguishers reach six years they have to be replaced.

A fire inspection has been conducted on your property. During this inspection conditions affecting fire safety were noted. ***In accordance with the International Building Code and International Fire Code, it is necessary that the items listed below be given your prompt attention.***

<b>A. Exterior Assessment</b>	<b>E. Fire Alarm System</b>	<b>I. Kitchen Suppression</b>
1 - Building number not posted <input type="checkbox"/>	1 - Annual Service needed <input type="checkbox"/>	1 - Cleaning of hood and duct <input type="checkbox"/>
2 - Obstructed FDC <input type="checkbox"/>	2 - Devices obstructed <input type="checkbox"/>	2 - Illegal cooking operation <input type="checkbox"/>
3 - Obstructed fire hydrant <input type="checkbox"/>	3 - Alarm Maintenance <input type="checkbox"/>	3 - Six month service needed <input type="checkbox"/>
4 - Gas meter protection <input type="checkbox"/>	<b>F. Flammable/Combustible Liquids</b>	<b>J. Automatic Sprinkler</b>
5 - Storage proximity <input type="checkbox"/>	1 - Storage cabinet <input type="checkbox"/>	1 - Annual service needed <input type="checkbox"/>
6 - Storage under eaves <input type="checkbox"/>	2 - Improper housekeeping <input type="checkbox"/>	2 - FDC cap needed <input type="checkbox"/>
<b>B. Exits</b>	3 - No storage area <input type="checkbox"/>	3 - Hanging material <input type="checkbox"/>
1 - Exit travel <input type="checkbox"/>	4 - Close to heating appliance <input type="checkbox"/>	4 - Sprinkler clearance <input type="checkbox"/>
2 - Exits obstructed <input type="checkbox"/>	5 - Fueled equipment <input type="checkbox"/>	5 - Provide sprinkler protection <input type="checkbox"/>
3 - Panic hardware <input type="checkbox"/>	6 - Oily rags <input type="checkbox"/>	6 - Damaged/Painted heads <input type="checkbox"/>
4 - Number of exits <input type="checkbox"/>	7 - Compressed gas tanks <input type="checkbox"/>	7 - Spare heads and/or wrench <input type="checkbox"/>
5 - Unapproved locking devices <input type="checkbox"/>	8 - Equipment rooms <input type="checkbox"/>	<b>K. Fuel Dispensing</b>
6 - Openable without tight grasping or twisting <input type="checkbox"/>	9- Secondary Containment <input type="checkbox"/>	1 - Fire extinguisher <input type="checkbox"/>
7-Remove Bolt Locks or Dead Bolts <input type="checkbox"/>		2 - Emergency shutoff <input type="checkbox"/>
<b>C. Exit Lighting and Signs</b>	<b>G. Electrical</b>	3 - Provide signage <input type="checkbox"/>
1 - Exit signs battery backup <input type="checkbox"/>	1 - Extension cord usage <input type="checkbox"/>	4 - Replace hoses <input type="checkbox"/>
2 - Exit signs required <input type="checkbox"/>	2 - Electrical panel labeling <input type="checkbox"/>	<b>L. Compressed Gas</b>
3 - Emergency lighting <input type="checkbox"/>	3 - Portable heaters <input type="checkbox"/>	1-Cylinders shall be secured <input type="checkbox"/>
4 - Exit sign burnt out <input type="checkbox"/>	4 - Improper power strip usage <input type="checkbox"/>	2- Protective caps shall be in place when not in use. <input type="checkbox"/>
5 - "This door to remain unlocked" sign <input type="checkbox"/>	5 - Power Panel obstructed <input type="checkbox"/>	<b>M. Storage</b>
<b>D. Extinguishers</b>	6 - No cover plate <input type="checkbox"/>	1-Ceiling Clearance <input type="checkbox"/>
1 - Class K extinguisher <input type="checkbox"/>	7 - Multi-plug adapter <input type="checkbox"/>	2- Equipment rooms <input type="checkbox"/>
2 - Number of extinguishers <input type="checkbox"/>		3- Storage under stairs or in attic <input type="checkbox"/>
3 - Extinguisher placement <input type="checkbox"/>	<b>H. Fire Walls and Doors</b>	<b>N. Other corrections required</b>
4 - Extinguisher obstructed <input type="checkbox"/>	1 - Restrained fire door <input type="checkbox"/>	1-See detailed report <input type="checkbox"/>
5 - Extinguisher maintenance <input type="checkbox"/>	2 - Breached wall or ceiling <input type="checkbox"/>	
6 - Signs indicating location <input type="checkbox"/>	3 - Fire assembly needs repair <input type="checkbox"/>	<b>X. No apparent Violations Noted</b>
7- Minimum size 2A-10BC <input type="checkbox"/>		1 - No apparent Violations <input checked="" type="checkbox"/>

**Remarks:**

You have a very clean and fire safe operation. Keep it up.

This Fire Inspection report also serves as your invoice. Please remit payment in the amount of \$188.25 within 30 days.

Inspector's Name: Josh Hink Inspector's Phone #: 962-7657

Received by Jason Bjorkman E-mail address: westernmetalproducts@gmail.com

**Compliance with the preceding requirements shall be effective immediately.**  
 A re-inspection shall be conducted on/or after \_\_\_\_\_ days to verify full compliance.

**You are hereby notified to remedy the conditions as stated above immediately.**  
 After the conditions have been abated, mail a copy of the notice within \_\_\_\_\_ days including a signature certifying completion.

I CERTIFY THAT THE VIOLATIONS SPECIFIED ABOVE HAVE BEEN CORRECTED.

SIGNATURE \_\_\_\_\_ PRINT NAME \_\_\_\_\_ DATE \_\_\_\_\_

## **A. EXTERIOR ASSESSMENT**

1. Approved addresses or building numbers shall be provided for all new and existing buildings in such a position as to be plainly visible and legible from the street fronting the property. Numbers shall contrast with their background. Numbers shall be a minimum of **4 inches** high with a minimum stroke width of 0.5 inch. **IFC 505.1**
2. Fire department connections shall not be obstructed. They shall have 3 feet of clearance. **IFC 912.3**
3. Fire hydrants shall not be obstructed including the parking of vehicles. A minimum of **3 feet clear space** around the circumference of a hydrant shall be maintained. **IFC 507.5.5**
4. Vehicle impact protection required by this code shall be provided by posts that comply with **IFC 312.2** or by other approved physical barriers that comply with **IFC 312.3**
5. Outside storage of combustible materials shall not be located within 10 feet of a property line. **IFC 315.4**
6. Combustible materials stored or displayed outside of buildings that are protected by automatic sprinklers shall not be stored or displayed under non-sprinklered eaves, canopies or other projections or overhangs. **IFC315.4.1**

## **B. EXITS**

1. Exits shall not pass through kitchens, storerooms, restrooms, or closets. Exit doors shall swing in the direction of travel when serving any hazardous area or an occupant load of 50 or more. **IFC 1014.2, 1008.1.2**
2. Obstructions. A *means of egress* shall be free from obstructions that would prevent its use, including the accumulation of snow and ice. **IFC 1030.3**
3. Panic hardware shall be of an approved type, and is required in occupancies A and E when the exit and exit access doors from rooms have an occupant load of 50 or more. H occupancies shall not have a lock or latch unless equipped with panic hardware. **IFC 1008.1.10**
4. Spaces with one means of egress- The minimum number of Exits for occupancy loads 1-500 is 2 exits; 501-1000 is 3 exits; More than 1000 is 4 exits. **IFC 1014.1, 1018.1, 1018.2**
5. Egress doors shall be readily operable from the egress side without the use of a key or special knowledge or effort. **IFC 1008.1.9**
6. Exit doors shall be openable without tight grasping or twisting of the wrist – no twist type locks. **IFC 1008.1.9.1**
7. Bolt locks or Dead Bolts, manually operated flush bolts or surface bolts are not permitted. **IFC 1008.1.9.4**

## **C. EXIT LIGHTING AND SIGNS**

1. Exit signs shall be illuminated at all times. To ensure continued illumination for not less than 90 minutes in case of primary power loss. **IFC 1006.3, 1023.1, 1011.3**
2. Exit signs shall be installed when two or more exits are required. They shall be installed at the required exits from the room or area and when otherwise necessary to clearly indicate the direction of egress. NOTE: Main exterior exit doors, which obviously and clearly are identifiable as exits, need not be signed. Exit signs must be internally or externally illuminated by two lamps or be self-luminous. **IFC 1011.2**
3. Maintain emergency lighting (replace burned out bulbs and/or dead batteries) **IFC 1006.3**
4. Maintain exit sign lights (replace burned out bulbs) **IFC 1011**
5. A readily visible durable sign is posted on the egress side of or adjacent to the door stating "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". The sign shall be in letters 1 inch high on a contrasting background. **IFC 1008.1.9.3**

## **D. EXTINGUISHERS**

1. Extinguisher must be within 30 feet of cooking equipment involving vegetable or animal oils and fats shall be protected by a Class K rated portable extinguisher. **IFC 904.11.5**
2. Where required. Portable fire extinguishers shall be installed in all occupancies. You must have at least one extinguisher per floor, with a maximum travel distance of not more than 75 feet. **IFC 906.1**
3. Extinguishers shall be mounted with the supplied hangers at a distance of at least 4 inches off the floor and no higher than 5 feet. **IFC 906.9**
4. Fire extinguishers shall not be obstructed or obscured from view or access. **IFC 906.6**
5. All fire extinguishers on the premises shall be subjected to maintenance at least **annually** and when specifically indicated by an inspection. All extinguishers shall be recharged after use or as indicated by an inspection or when performing maintenance. **IFC 901.6 and NFPA 10**
6. Extinguishers shall not be obscured without signs indicating their location. **IFC 906.5**
7. Size, Minimum rated single extinguisher Light Hazard or Moderate Hazard Occupancy is a 2A/10BC size (typically a 5 lb. extinguisher). **IFC 906.3.1**

## **E. FIRE ALARM SYSTEM**

1. Provide annual fire alarm service report (confidence test report) **IFC 907.8** and **NFPA 10**
2. Initiating devices shall be installed in a manner that provides accessibility for periodic maintenance. **IFC 907**
3. Fire alarm systems shall be maintained in operable condition at all times (power on, batteries connected, trouble and/or alarm indicators not lighted.) **IFC 907** and **NFPA 10**

## **F. FLAMMABLE/COMBUSTIBLE LIQUIDS**

1. Where other sections of this code require that liquid containers be stored in storage cabinets, such cabinets and storage shall be in accordance with **IFC 5704.3.2.1 through 5704.3.2.1.4**
2. **Orderly storage.** Shelf storage of flammable and *combustible liquids* shall be maintained in an orderly manner. **IFC 5704.3.3.5.3**
3. Combustible materials shall not be stored in attics, stairways or under-floor and concealed spaces unless protected on the storage side as required for one-hour fire resistive construction. **IFC 315.3.4**
4. Storage shall be separated from heaters or heating devices by distance or shielding so that ignition cannot occur. **IFC 315.3**
5. Fueled equipment, including but not limited to motorcycles, mopeds, lawn-care equipment and portable cooking equipment, shall not be stored, operated or repaired within a building. **IFC 313.1**
6. Approved metal waste cans equipped with self-closing lids shall be provided wherever rags or waste are impregnated with finishing material. **IFC 2403.4.3**
7. Compressed gas containers, cylinders and tanks shall be secured to prevent falling caused by contact, vibration or seismic activity. **IFC 5303.5.3**
8. Combustible material shall not be stored in boiler rooms, mechanical rooms or electrical equipment rooms. **IFC 315.3.3**
9. Spill control and secondary containment. Rooms, buildings or areas used for storage, dispensing, use, mixing or handling of Class I, II and IIIA liquids shall be provided with spill control and secondary containment. **IFC 5703.4**

## **G. ELECTRICAL**

1. Extension cords and flexible cords shall not be a substitute for permanent wiring. Extension cords shall be used only with portable appliances. **IFC 605.5**
2. Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating ELECTRICAL ROOM or similar approved wording. **IFC 605.3.1**
3. The heating element or combustion chamber shall be permanently guarded so as to prevent accidental contact by persons or material. **IFC 605.10**
4. Re-locatable power taps shall be of the polarized or grounded type, equipped with over current protection, and shall be listed. Re-locatable power taps shall be directly connected to a permanently installed receptacle. **IFC 605.4.1-2**
5. A working space of not less than 30 inches in width, 36 inches in depth and 78 inches in height shall be provided in front of electrical service equipment. **IFC 605.3**
6. Open junction boxes and open-wiring splices shall be prohibited. Approved covers shall be provided for all switch and electrical outlet boxes. **IFC 605.6**
7. Multiplug adaptors, such as cube adaptors, unfused plug strips or any other device not complying with the ICC Electrical Code shall be prohibited. **IFC 605.4**

## **H. FIRE WALLS AND DOORS**

1. Discontinue the practice of wedging, blocking or otherwise restraining the fire door(s) which must be maintained self-closing and remain in the closed position. **IFC 703.1, 703.2.2**
2. The required fire-resistance rating of construction (including walls, fire stops, shaft enclosures, ceilings, partitions and floors) shall be maintained. **IFC 703.1**
3. Swinging fire doors shall close from the full-open position and latch automatically. **IFC 703.2.3**

## **I. KITCHEN SUPPRESSION**

1. **Cleaning.** Hoods, grease-removal devices, fans, ducts and other appurtenances shall be cleaned at intervals necessary to prevent the accumulation of grease. **IFC 609.3**
2. A Type I hood shall be installed at or above all commercial cooking appliances and domestic cooking appliances used for commercial purposes that produce grease vapors. **IFC 609.2**
3. Extinguishing systems shall be serviced at least every six months or after activation of the system. **IFC 904.11.6.2**

#### **J. AUTOMATIC SPRINKLERS**

1. Automatic fire-extinguishing systems shall be inspected and tested at least annually, provide a copy of the annual confidence test report. **IFC 107.1, 107.2**
2. Fire department connection caps shall be in place and in good condition. **IFC 901.6**
3. Sprinkler piping shall not be subjected to external loads by materials either resting on the pipe or hung from the pipe. **NFPA 25- 5.2.2.2**
4. Storage height shall be lowered so that it is no closer than 18 inches below sprinkler heads. **IFC 315.3.1**
5. Fire protection systems required by this code or the International Building Code shall be installed, repaired, operated, tested and maintained in accordance with this code. **IFC 901.4.1**
6. Any sprinkler shall be replaced that has signs of leakage; is painted, corroded, damaged, or loaded; or in the improper orientation. **NFPA 13- 6.2.6.2.2 and NFPA 25- 5.2.1.1.2**
7. Spare heads (no fewer than 6) and a wrench shall be provided. **NFPA 13- 6.2.9.1**

#### **K. FUEL DISPENSING**

1. Approved portable fire extinguishers with a minimum rating of 2-A:20-B:C shall be provided and located such that an extinguisher is not more than 75 feet from pumps, dispensers or storage tank fill-pipe openings. **IFC 2205.5**
2. Emergency shutoff devices shall be provided within 100' of, but not less than 20' from dispensers. Such devices shall be distinctly labeled as EMERGENCY FUEL SHUTOFF. **IFC 2203.2**
3. Signs prohibiting smoking, dispensing into unapproved containers and requiring vehicle engines to be stopped during fueling shall be conspicuously posted within sight of each dispenser. **IFC 2205.6**
4. Equipment maintenance and inspection. Motor fuel-dispensing facility equipment shall be maintained in proper working order at all times in accordance with **IFC Sections 2205.2.1 through 2205.2.3.**

#### **L. COMPRESSED GAS**

1. Compressed gas cylinders and tanks shall be secured to prevent falling. **IFC 5303.5.3**
2. Protective caps shall be in place for compressed gas cylinders not in use. **IFC 5303.6.2**

#### **M. GENERAL STORAGE**

1. **Ceiling clearance.** Storage shall be maintained 2 feet or more below the ceiling in non-sprinklered areas of buildings or a minimum of 18 inches below sprinkler head deflectors in sprinklered areas of buildings. **IFC 315.3.1**
2. **Equipment rooms.** Combustible material shall not be stored in boiler rooms, mechanical rooms or electrical equipment rooms. **IFC 315.3.3**
3. **Attic, under-floor and concealed spaces.** Attic, under-floor, stairs and concealed spaces used for storage of combustible materials shall be protected on the storage side as required for 1-hour fire-resistance-rated construction. **IFC 315.3.4**

#### **N. OTHER CORRECTIONS REQUIRED**

1. See detailed report of other Fire Code corrections needed that are not included in the above list.

#### **X. NO APPARENT VIOLATIONS**

1. No apparent Fire Code violations were observed or noted during this inspection.