

## OSHA Compliance Checklist

### Wiring Design and Protection (1910.304)

	O.K.	Action Needed
<b>Disconnecting Means - General Requirements</b>		
1. Are means provided to disconnect all conductors from the service - entrance conductors?		
<b>Overcurrent Protection</b>		
1. Are all pieces of equipment or conductors provided with overcurrent protection?		
2. Do overcurrent devices maintain the continuity of the grounding conductor?		
3. Are overcurrent devices readily available to each employee or authorized building management personnel?		
4. Are overcurrent devices only located in areas where they will be protected from physical damage or away from easily ignitable materials?		
5. Are all circuit breakers clearly indicated as to whether they are on or off?		
a. Are vertically operated circuit breaker handles configured so that the up position is the "on" position?		
6. When used as switches in 120 volt lighting fluorescent lighting fixtures, are circuit breakers approved for the purpose and labeled "SWD"?		
<b>Grounding</b>		
1. Is grounding provided on all AC premises wiring systems?		
2. Do grounding connections ground both the equipment used and the circuit to the grounding electrode?		
3. Are all grounding paths permanent and continuous?		
4. Are all metal cable trays, raceways and enclosures for conductors grounded?		
5. Are the frames of ranges and clothes dryers grounded?		
6. Are all non-current carrying metal parts of portable and fixed equipment (including associated fences, housings, enclosures and supporting structures) properly grounded?		
<b>Fixed Equipment</b>		
5. Is grounding provided for exposed non-current carrying metal parts of fixed equipment that can become energized under the following conditions:		
a. If within 8 feet vertically or 5 feet horizontally of ground and subject to employed contact?		
b. If located in a wet or damp location?		
c. If in electrical contact with metal?		
d. If in a (NFPA) classified hazardous location?		
e. If supplied by metal clad, metal sheathed, or grounded metal raceway wiring method?		
f. If the equipment operates with any terminal over 150 volts (see exceptions)?		

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<b>Cord and Plug Equipment</b>		
1. Are all non-current carrying metal parts of cord- and plug (C&P)- connected equipment that can become energized grounded:?		
a. If in a classified location?		
b. If operated over 150 volts (see exceptions)?		
c. Refrigerators, freezers or air conditioners?		
d. Clothes washing, clothes drying, dishwashing machines or sump pumps?		
e. Hand held motor-operated tools?		
f. Motor-operated appliances of the following types: hedge clippers, lawn mowers, snow blowers, wet scrubbers?		
g. C&P-connected equipment is in wet locations or where the worker must stand on a metal floor or in metal tanks or boilers (see exceptions)?		
h. Portable hand lamps?		
2. Is all double-insulated equipment clearly marked and labeled?		
<b>Non-Electrical Equipment</b>		
1. Are the frames and tracks of electrically operated cranes grounded?		
2. All metal enclosures or metal work around equipment operating at over 750 volts.		
<b>Methods of Grounding Fixed Equipment</b>		
1. Are all metal parts of fixed equipment grounded by an equipment grounding conductor which is contained in the cable or cord that contains the circuit conductors?		
<b>Grounding of Systems Supplying Portable or Mobile Equipment</b>		
1. Is all high voltage equipment supplied from a system grounded through an impedance?		
2. Are the exposed non-current carrying parts of portable or mobile equipment connected to a system having its neutral grounded through an impedance?		
3. Are ground fault protection provided to deenergize any high voltage component which has developed a ground fault?		
a. Will the breaking of ground continuity deenergize the equipment?		
4. Is the grounding electrode to which a portable or mobile equipment system neutral impedances is connected separated in the ground by at least 20 feet from any other grounding electrode?		