

SAFETY

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Checklist: Construction Industry

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This checklist is provided to assist in identifying deficiencies or hazards within your business. Once you have identified deficiencies or hazards, a review of your accident prevention program should be completed. Additional written programs, workplace procedures, and / or training to reduce the potential of employee injuries and illnesses may be required. This checklist does not address all possible hazards within your business.

Posting & Recordkeeping

- ☑ Workplace posters / emergency phone numbers displayed
- ☑ OSHA 300 completed (where required)
- ☑ OSHA 300A completed & posted (where required)

Safety & Health Program

- ☑ Written safety program developed
- ☑ Employee safety training completed / records maintained

Medical & First Aid

- ☑ Emergency medical services identified
- ☑ First aid kits readily accessible
- ☑ Eye wash / showers available (where necessary)
- ☑ Claim reporting procedures
- ☑ Return to Work program
- ☑ Bloodborne Pathogens program / training

Fire Protection

- ☑ Fire extinguishers mounted & readily accessible
- ☑ Fire extinguishers inspected at least annually
- ☑ Fire alarm tested at least annually (where present)

Personal Protective Equipment (PPE)

- ☑ Employees have been trained in PPE procedures
- ☑ PPE is maintained in sanitary condition
- ☑ Hazards identified in the workplace requiring PPE use

Work Environment

- ☑ Work areas clean, sanitary and orderly
- ☑ Wet surfaces covered with non-slip materials
- ☑ Walking surfaces in good condition
- ☑ Spilled materials cleaned up immediately

Walkways

- ☑ Guardrails provided for elevated areas > 30"
- ☑ Adequate headroom provided in aisles
- ☑ Safe clearance for walking near equipment

Floor & Wall Openings / Elevated Surfaces

- ☑ Floor openings protected or guarded on all sides
- ☑ Labeled covers secured over holes
- ☑ Signs posted showing elevated surface load capacity
- ☑ Canopy, screen or toeboard to prevent falling objects
- ☑ Pits not in use covered or protected

Stairs & Stairways

- ☑ Handrails on all stairways of 4 or more risers
- ☑ Steps provided with a slip resistant surface

Exits

- ☑ Exits marked with exit sign and properly illuminated
- ☑ Exits kept free from obstructions
- ☑ Sufficient exits to permit prompt emergency escape
- ☑ Inside door release on cold storage rooms

Portable Ladders

- ☑ Inspect and maintain ladders in good condition
- ☑ Non-slip safety feet provided on each ladder
- ☑ Employees face ladder when ascending or descending with 3 points of contact
- ☑ Prohibit use of broken or damaged ladders
- ☑ Instruct not to use top step of stepladder as a step
- ☑ Extend ladder at least 3' above elevated surface
- ☑ Metal ladders not used near electrical conductors or equipment

Personal Fall Arrest System (PFAS)

- ☑ PFAS used to prevent falls from heights above 6 feet
- ☑ Designed and installed by qualified person to maintain a safety factor of two
- ☑ Rigged such that employee cannot free fall more than 6' nor contact any lower level

Scaffolding

- ☑ Erected under the supervision of competent person
- ☑ Guardrails provided on scaffolds more than 10' above ground
- ☑ Planking of sufficient stress grade or scaffold grade timber
- ☑ Defective scaffold parts immediately replaced or repaired
- ☑ Guardrails/toeboards installed on all open platform sides and ends

Trenches & Excavations

- ☑ One call or utility company notified of intended digging
- ☑ Daily inspections made to determine possibility of cave-in and steps taken to protect employees
- ☑ Shoring/trench box/sloping sufficient to ensure against cave-ins

Confined Spaces

- ☑ Internal atmosphere tested to oxygen level of not less than 19.5%
- ☑ Space ventilated to a safe level before employees enter
- ☑ Employees trained in the use of respirators
- ☑ Rescue equipment readily available for immediate use
- ☑ Written procedure covering entry under emergency conditions

Hand / Portable Power Tools and Equipment

- ☑ Broken, damaged, bent tools removed / replaced
- ☑ Proper eye and face protection worn, as needed
- ☑ Safety guards provided on grinders, saws, etc.
- ☑ Power tools grounded or double insulated
- ☑ Full guards or screens provided on portable fans
- ☑ Ground fault circuit interrupters (GFCI) used



Abrasive Wheel Equipment

- ☑ Work rest used and kept adjusted to 1/8 inch
- ☑ Side guards cover spindle, nut and flange
- ☑ Bench and pedestal grinders permanently mounted
- ☑ Goggles / face shields worn when grinding

Machine Guarding

- ☑ Employees trained in safe methods of operation
- ☑ Machinery and equipment kept clean and maintained
- ☑ Shut-off switch within reach of operator's position
- ☑ Each machine provided with lock out for maintenance
- ☑ Belts, pulleys, chains and gears properly guarded
- ☑ Point of operation guarded or protection provided

Lockout / Tagout

- ☑ Machinery deenergized or disengaged and locked-out during cleaning, servicing, adjusting or set up operations
- ☑ Stored energy released or blocked before lock-out
- ☑ Employees provided individually keyed safety locks
- ☑ Employee exposed to the hazard is the only one to place or remove a safety lock

Welding, Cutting & Brazing

- ☑ Only authorized and trained personnel use welding, cutting or brazing equipment
- ☑ "DANGER – NO SMOKING, MATCHES OR OPEN LIGHTS" properly posted
- ☑ Regulators removed and valve caps in place before moving cylinders
- ☑ Electrodes removed from arc welders when not in use
- ☑ Fire extinguishers available for immediate use
- ☑ Eye protection helmets, hand shields and goggles meet appropriate standards
- ☑ Employees exposed to the hazards of welding, cutting, or brazing protected with PPE and clothing
- ☑ Ventilation adequate in and where welding or cutting is performed

Compressors & Compressed Air

- ☑ Compressors include pressure relief valves and gauges
- ☑ Safety devices on systems checked frequently
- ☑ Belt drive system totally enclosed
- ☑ Use of highly compressed air prohibited for cleaning
- ☑ PPE worn when using compressed air for cleaning
- ☑ Pressure reduced to < 10 psi for cleaning clothes

Compressed Gas Cylinders

- ☑ Cylinders marked to clearly identify the gas
- ☑ Cylinders stored away from external heat sources
- ☑ Valve protectors placed on cylinders when not in use
- ☑ Valves closed before moving or when cylinder is empty
- ☑ Store oxygen and fuel gas cylinders separated by a minimum of 20' or by a noncombustible barrier at least 5' high

Cranes & Material Hoists

- ☑ Use of equipment within 20' of electrical power line restricted
- ☑ Rated capacity, operating speed and instructions posted
- ☑ Machinery and rigging equipment inspected daily
- ☑ Fire extinguisher of at least 5BC provided
- ☑ Platforms and walkways provided with anti-skid surfaces
- ☑ Guardrails, hand holds and steps provide safe & easy access
- ☑ Use of kinked or twisted chains or rope slings prohibited
- ☑ Carrying suspended loads over people prohibited

Industrial Trucks / Forklifts

- ☑ Only trained & certified personnel allowed to operate trucks
- ☑ Lift truck operating rules posted and enforced
- ☑ Each truck equipped with warning horn, whistle, gong or other device that can be clearly heard

Spraying Operations

- ☑ Adequate ventilation before starting spray operations
- ☑ "NO SMOKING" signs posted in spray areas, paint rooms, paint booths and paint storage areas
- ☑ Approved respiratory equipment provided and used

Concrete

- ☑ Protruding rebar covered or bent over where work is performed
- ☑ Nails removed or bent over stripped forms
- ☑ Gloves and eye protection worn during stripping operations

Lasers

- ☑ Laser equipment operated only by trained/qualified employees
- ☑ Warning placards posted in areas of laser use
- ☑ Anti-laser eye protection provided to those potentially exposed

Lighting

- ☑ At least 5 foot-candles of light provided for general construction
- ☑ Workshops/storerooms provided at least 10 foot-candles of light
- ☑ Light guards provide where there is possibility of breakage

Environmental Controls

- ☑ Water provided for drinking, washing and cooking
- ☑ Water not suitable for drinking clearly identified
- ☑ Physical capabilities assessed prior to assigning jobs requiring heavy work
- ☑ Employees instructed in lifting of heavy objects
- ☑ Heat illness training provided where required
- ☑ Reflectorized warning vests worn when working on or near streets and roadways

Flammable & Combustible Liquids

- ☑ Approved containers / tanks used for storage
- ☑ Flammable liquids kept in closed containers
- ☑ Safety cans used at point of use

Hazard Communications

- ☑ Hazardous substances identified that may cause harm by inhalation, ingestion, skin absorption or contact
- ☑ Written hazard communication program developed
- ☑ Safety Data Sheets (SDS) readily available
- ☑ Employee training completed & documented
- ☑ Employees made aware of hazards when working with harmful agents

Electrical

- ☑ Extension cords have grounding conductor
- ☑ Multiple plug adapters prohibited
- ☑ Frayed or deteriorated wiring / cords repaired or replaced
- ☑ Unused openings in electrical enclosures closed with appropriate covers, plugs or plates

Noise

- ☑ Engineering or administrative controls used to reduce employee exposure to noise
- ☑ Hearing protectors and a hearing conservation program implemented for noise levels above 90 dBA
- ☑ Use of hearing protection equipment enforced
- ☑ Equipment fitted and maintained in clean / sanitary condition

Material Handling

- ☑ Trucks and trailers secured during loading / unloading
- ☑ Dock plates and loading ramps of sufficient strength to support loads
- ☑ Safe clearance for equipment through aisles / doorways

Transporting Employees & Materials

- ☑ Employees who operate vehicles have valid operator's license
- ☑ Pre or post trip inspections completed by operators
- ☑ Seat belts required for operators and passengers
- ☑ Use of cell phones and other devices prohibited

Carbon Monoxide

- ☑ Salamanders and fire pots vented to the outside
- ☑ Carbon monoxide levels checked regularly
- ☑ Natural / mechanical ventilation removes carbon monoxide gases

Silica

- ☑ Adequate exhaust provided to remove work area silica dust particles
- ☑ Respirators provided to employees who may be exposed to silica dust

