



CONTRACTOR SITE SAFETY MANUAL

Revised November 13, 2017

Call 911.

**Call J.E. Decker Construction Group Safety
Director:
Mike Calsam (352) 672-3210**

**Call J.E. Decker Construction Group Main
Office:
(352) 448-1428**

THIS IS YOUR COPY. IT IS
RECOMMENDED THAT YOU GIVE
YOUR PROJECT MANAGER A FIELD
COPY TO KEEP AT THE JOB SITE



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CONTRACTOR SITE SAFETY MANUAL

1. PURPOSE

The purpose of this policy is to provide a work place that protects the safety and health of the employees of Contractors and Subcontractors, as well as employees of any other members of the construction project team. Contractors and Subcontractors performing work on J. E. Decker Construction Group, LLC project sites must conduct their activities in a manner consistent with safe and healthful operating practices, and in accordance with all applicable safety and health rules and regulations.

2. POLICY

- 2.1 It is Project Policy that accident prevention be a prime concern to all of us. It includes not only prevention of wasteful and inefficient operations, damage to property and equipment, but foremost the safety and well being of all employees of the Contractor, its Subcontractors, and the Owner.
- 2.2 This policy applies to all Contractors, including vendors, deliveries, and Subcontractors, who perform work, provide services, or are on the project site while work is in progress.

3. REQUIREMENTS

- 3.1 The safety record of Contractors and Subcontractors will be considered by J. E. Decker Construction Group, LLC during the selection process. Contractors and Subcontractors might be required to provide, at the request of J. E. Decker Construction Group, LLC, their current workers' compensation experience modification rate (EMR). This is available through their insurance carrier, or OSHA 300 forms, and/or such other information as determined by J. E. Decker Construction Group, LLC to be necessary or desirable to judge their prior safety records.
- 3.2 It is the primary responsibility of each Contractor and Subcontractor to provide a safe and healthful work place for their employees. All Contractors and Subcontractors must comply with all applicable occupational safety and health regulations.
- 3.3 All Contractors and Subcontractors working at a J. E. Decker Construction Group, LLC work site must fully comply with current Occupational Safety and Health Administration (OSHA) and Hazard Communication Standard (HCS) regulations. Any Contractor or Subcontractor that brings or utilizes hazardous chemicals on J. E. Decker Construction Group, LLC's work sites must provide required information to J. E. Decker Construction Group, LLC pursuant to the OSHA HCS. This includes instruction for safe handling and use of harmful substances.
- 3.4 All Contractors and Subcontractors are expected to provide their employees with appropriate medical examinations, safety equipment and the necessary safety and health training prior to beginning work.



CONTRACTOR SITE SAFETY MANUAL

- 3.5 All Contractors and Subcontractors are responsible for ensuring that their equipment is in proper working condition and that any unsafe conditions are abated immediately.
- 3.6 All Contractors and Subcontractors shall conduct periodic safety meetings for their employees and subcontractors as well as monitor their work activities to help ensure safe working practices and conditions.
- 3.7 All Contractors and Subcontractors are responsible to notify a J. E. Decker Construction Group, LLC supervisor immediately of all accidents involving their employees on J. E. Decker Construction Group, LLC project sites.
- 3.8 All Contractors and Subcontractors will comply with all applicable safety and health rules of J. E. Decker Construction Group, LLC including, but not limited to, contraband policy prohibiting the use, possession, transportation or sale of narcotics, illegal drugs, controlled substances, drug paraphernalia, or alcohol, or being impaired by such substances while on J. E. Decker Construction Group, LLC project sites.
- 3.9 While working on J. E. Decker Construction Group, LLC project sites, employees of Contractors and Subcontractors are subject to being tested for drugs and alcohol through urinalysis and/or blood tests. Refusal by such employees to cooperate in such tests will be grounds for removal from J. E. Decker Construction Group, LLC project sites.
- 3.10 All Contractors must agree to comply with this policy and communicate it to their employees. Contractors shall also commit to conducting weekly toolbox safety meetings at jobsite and effective job safety training for all categories of employees.
- 3.11 All Subcontractors shall have all employees onsite in compliance with the project Owner's required safety/health/background certifications. Some examples of this policy include flu vaccinations for certain medical facilities or JLA criminal background checks for educational facilities.
- 3.12 Further, all Contractors working on J. E. Decker Construction Group, LLC project sites are responsible for contractually obligating such Subcontractors to comply with this policy.

4. SAFETY ANALYSIS

Analyzing and awareness are the two major factors of an Injury Free Work Site. All Contractors and Subcontractors shall commit to this process and application by conducting Pre-Job Planning meetings and to perform ongoing Hazard Analysis Audits.



CONTRACTOR SITE SAFETY MANUAL

4.1 Pre-Job Planning

4.1.1 Pre-Job Planning is the management planning which takes place before mobilization on a project or prior to the beginning of a new phase of work.

4.1.2 Pre-Job Planning is a review of the scope of work and schedule which shall be detailed out into a list of major activities; each made up of specific tasks. These include any specifications defining acceptable performance and conditions specific to the site.

4.1.3 Once these primary tasks are identified, the hazards associated with their performance can be addressed through the Hazard Analysis process.

4.1.4 Special planning will be needed for certain activities; such as Fall Prevention, Emergency Action, Critical Lifts, etc. These plans will be written specifically for that activity.

4.2 Hazard Analysis

4.2.1 The objective of developing a Hazard Analysis is to identify the Tasks, Hazards, Tools & Equipment, Skills and Actions required to perform each scheduled work activity within acceptable standards.

4.2.2 Once these areas are identified, the hazards associated with their performance can be eliminated and/or controlled through training, skill assessment, proper tools, well-maintained equipment and the correct materials on site.

5. IMPLEMENTATION

5.1 A representative of J. E. Decker Construction Group, LLC will be designated as primarily responsible for implementing this policy at each of its project sites, and for monitoring compliance by all Contractors and Subcontractors.

5.2 In the event of any violation by a Contractor or one of its Subcontractors of occupational safety and health regulations, or safety health rules of J. E. Decker Construction Group, LLC, the Contractor and/or Subcontractor shall take prompt action to correct such violation or to abate any hazard they control.

5.3 In the event a Contractor or any of its Subcontractors fails to promptly correct any violation or abate any hazard they control, J. E. Decker Construction Group, LLC shall have the right to take appropriate actions as solely determined by J. E. Decker Construction Group, LLC. In addition to any other rights J. E. Decker Construction Group, LLC might have, and notwithstanding any other contractual provisions existing between



CONTRACTOR SITE SAFETY MANUAL

J. E. Decker Construction Group, LLC and Contractor or any of its Subcontractors, J. E. Decker Construction Group, LLC may take any one or more of the following actions that it determines appropriate at its sole discretion:

- 5.3.1 J. E. Decker Construction Group, LLC can abate any hazard or correct any violation and either charge Contractors and/or Subcontractors for the cost of such correction or abatement, or offset such cost against any sums owed or to be owed by J. E. Decker Construction Group, LLC, the Contractor or Subcontractor.
- 5.3.2 J. E. Decker Construction Group, LLC can require removal from its project sites of any Contractor's or Subcontractor's employees, materials, or equipment which are determined to be hazardous or dangerous, or in non-compliance with OSHA regulations, or with J. E. Decker Construction Group, LLC's safety and health rules, or with this policy.
- 5.3.3 J. E. Decker Construction Group, LLC can terminate any work being performed by Contractor and/or Subcontractor on its project sites until any violation or hazard is corrected.
- 5.3.4 In the event of willful or repeated non-compliance by Contractor or any of its Subcontractors, J. E. Decker Construction Group, LLC can terminate the contract and/or subcontract, dismiss the Contractor and/or Subcontractors, or any of them, from the work site; and complete the work itself or employ other parties to complete the work. In the event of such termination of any contract or subcontract, an equitable adjustment to the price of such contract or subcontract will be made by J. E. Decker Construction Group, LLC. Considering the value of the work performed prior to termination, any additional costs or expenses incurred by J. E. Decker Construction Group, LLC in having work completed will determine payment.

6. ADMINISTRATION

The Safety Program will be carried out according to guidelines established and published in the Execution Plan. Each Supervisor will be responsible for meeting all requirements of the Safety Program and for maintaining an effective accident prevention effort within his area of responsibility. It will be the Supervisor's responsibility to see that all accidents are thoroughly investigated and reported on the same day of the occurrence.

7. REPORTING OF INJURIES

All employees will be held accountable for failing to report a job injury immediately. **(Immediately meaning at or near the time of the injury and on the same day of the injury.)** Employees must report the injury to their Supervisor i.e. Foreman, Superintendent, Project Manager, etc. A casual mentioning of the injury will not be sufficient. The employee must let their Supervisor know:



CONTRACTOR SITE SAFETY MANUAL

- 1.) How they hurt themselves,
- 2.) What they were doing at the time,
- 3.) Who they were working with at the time,
- 4.) When and where it happened,
- 5.) Other pertinent information that will aid in the Supervisor's investigation of the accident.

Failing to report an injury immediately (meaning at or near the time of injury and on the same day of the injury) is a violation of Project Safety Policy and may be subject to immediate termination. Every employee of J. E. Decker Construction Group, LLC, Contractors, Subcontractors, Vendors, and Suppliers are expected to comply with project policy and to comply with all applicable Health and Safety Standards.

8. NOTIFICATIONS

IN CASE OF SERIOUS INJURY OR DEATH

After injured has been taken to the clinic, notify the main office as soon as possible. Fill out the accident report form and send it to the main office. Get statements from witnesses and make certain statements are signed by witness, date and time noted. Take photographs of area and anything relevant.

IN CASE OF INSPECTION BY FEDERAL INSPECTOR

Notify Safety Director that the Federal Inspector is on the jobsite.

Make his/her visit on the jobsite as pleasant as possible.

9. MINIMUM BASIC PROJECT SAFETY RULES

- 9.1 Compliance with all applicable Federal, State, Local, Owner, and Project safety rules and regulations is a condition of employment and/or all contracts related to the project.
- 9.2 All injuries, regardless of how minor, must be reported to your supervisor and the safety office immediately. **An employee that fails to report an injury immediately will be issued a safety violation notice and may be subject to termination.**
- 9.3 Only approved non-conductive hard-hats will be worn by all employees on the project site. Metal hard-hats will not be allowed. The bill of the hard-hat will be worn in front at all times. Alterations or modifications of the hat or liner shall be prohibited.
- 9.4 Safety glasses will be worn as the minimum required eye protection. Remember, additional eye and face protection such as mono goggles and face shields are required



CONTRACTOR SITE SAFETY MANUAL

for such operations as grinding, operating skill saws, jack hammering, utilizing compressed air, or handling of chemicals, acid and caustic. Burning goggles for cutting, burning or brazing and welding hoods for welding, etc.

- 9.4.1 Safety harnesses with 2 shock absorbing lanyards shall be worn and secured any time there is a fall hazard of more than 2 meters (6 feet).
- 9.4.2 Lifelines shall be erected to provide fall protection where work is required in areas where permanent protection is not in place. Horizontal lifelines shall be a minimum of 12mm (1/2 inch) diameter wire rope. Vertical lifelines shall be 19mm (3/4 inch) synthetic fiber rope or equivalent and shall be used in conjunction with an approved type rope grab.
- 9.4.3 Workers using their lanyards to access the work or position themselves on a wall or column, etc. must use additional safety lanyards for fall protection.
- 9.5 Clothing must have adequate protection to the body. Shirts must have at least a t-sleeve. Shirt tails must be worn inside the trousers except in the case of welders and burners. No polyester or nylon clothing will be allowed for burners or welders. Sturdy steel toe work boots with rigid, slip resistant soles which give adequate protection to the feet and ankles are required. Sneakers, sandals and other light-weight footwear are prohibited.
- 9.6 Firearms, alcoholic beverages or illegal drugs are not allowed on site. Drugs prescribed by a physician must be registered with the safety department for approval. **The use or possession of illegal drugs or alcoholic beverages on the jobsite will result in immediate termination.**
- 9.7 Housekeeping shall be an integral part of every job. Supervisors and employees are responsible for keeping their work areas clean and hazard free. Clean up is required when you finish a job AND at the end of the day.
- 9.8 Burning and cutting equipment shall be checked daily before being used. All gas shall be shut off and hoses disconnected from bottles or manifolds at the end of each day. Caps shall be replaced on bottles when gauges are removed. All repairs shall be made in the tool room. Makeshift field repairs will not be allowed. Two (2) sets of flashback arresters shall be installed on oxyacetylene outfits. One (1) set at the regulators and one (1) set at the torch handle.
- 9.10 All tools, whether company or personal, must be in good working condition. Defective tools must not be used. Examples: chisels with mushroomed heads, hammers with loose or split handles, guards missing on saws or grinders, etc.

CONTRACTOR SITE SAFETY MANUAL

- 9.11 **All** electrical tools shall be checked or color coded by a designated competent person each day, or in accordance with OSHA regulation and safe practices, whichever is the more stringent of the two.
- 9.12 "HORSEPLAY" on the jobsite is strictly prohibited. Running on the jobsite is allowed only in extreme emergencies.
- 9.14 Jobsite speed limit is 16Km/h (10 MPH) unless noted to a lower speed. No one is permitted to ride on a truck standing up. Sitting on the outside edges is prohibited; everyone must be sitting down inside the truck. Riding as a passenger on equipment is prohibited unless the equipment has the safe capability of transporting personnel.
- 9.15 Adequate precautions must be taken to protect men and equipment from hot work such as welding or burning. Fire extinguishing equipment shall immediately available in the work area. Return used extinguishers to the tool room for re-charge immediately. Client requirements will take precedence in the case of a discrepancy, or whichever is more stringent.
- 9.16 All scaffolding and work platforms must be in accordance with jobsite specifications. All ladders must be in safe condition without broken rungs or split side rails. Damaged ladders shall be removed from service. Ladders shall be secured at the top and bottom and extend 1 meter (3 feet) past the walking surface. Metal ladders around electrical work are prohibited.
- 9.17 Crowfoot connections on air hoses shall be wired to prevent accidental disconnection. Compressed air shall not be used to dust off hands, face or clothing.
- 9.18 Report all unsafe conditions and near accidents to your supervisor and the safety department so corrective action can be taken.
- 9.19 All floor openings or excavations shall be barricaded on all sides to ensure employees are aware of the hazard. Floor holes shall be covered with a secured cover and clearly marked.
- 9.20 Warning signs, barricades and tags will be used to the fullest extent and shall be obeyed.
- 9.21 Respiratory protection is required for employees exposed to dust hazards or to other contaminants that may be encountered.



CONTRACTOR SITE SAFETY MANUAL

"ENFORCEMENT OF SAFETY POLICY"

Safety violation notices shall be issued to any employee, Contractor or anyone on the jobsite for violating the safety rules or regulations. Issuance of safety violation notices shall be made by foreman and above including the safety supervisor.

1. Any violation of safety rules can result in suspension or immediate termination.
2. Any employee receiving three (3) written general violations within a six (6) month period shall be terminated.
3. Issuance of a safety violation notice for failure to use fall protection or failure to report a job injury (at the time of the injury) will result in immediate termination.

It is understood that construction management is not restricting itself to the above rules and regulations. Additional rules and regulations as dictated by the job will be issued and posted as needed.

**"NO JOB IS SO IMPORTANT AND NO SERVICE
IS SO URGENT THAT WE CANNOT TAKE TIME
TO PERFORM OUR WORK SAFELY"**



CONTRACTOR SITE SAFETY MANUAL

PROJECT SAFETY CHECK LIST

The following project Safety Check List has been condensed. The Project Safety Check list is made part of the safety rules.

A. Safety Rules

1. HARD HATS WILL BE WORN AT ALL TIMES.
2. Shirts with sleeves and pants will be worn at all times. No shorts are to be worn on the project.
3. Work shoes are required. No clogs, tennis shoes, sandals, or loafers are permitted.
4. Contractor's/Subcontractor's personnel will be required to attend safety meetings.
5. Contractor's/Subcontractor's are required to keep their work areas safe and clean.
6. Safety goggles/face shields will be worn when circumstances warrant.
7. Electrical cords and equipment must be properly grounded and checked.
8. Use of alcoholic beverages or controlled substances is prohibited.
9. Contractor/Subcontractor is responsible for providing OSHA compliant fall protection for their employees.
10. All scaffolds will be built to specifications as established by project and shall maintain in plain sight an inspection card.
11. Excavations/trenches will be properly sloped or shored.

B. Record Keeping

1. Telephone numbers of Ambulance, Clinic, and Doctor posted.
2. Hard hat sign posted.
3. Weekly safety meetings followed by written report by all Superintendents and copy to Safety Director. Frequency of safety meetings shall be determined by Project Superintendent on a project-to-project basis.

C. Housekeeping and Sanitation

1. General neatness.
2. Regular disposal of trash.
3. Passageways, driveways and walkways clear.
4. Adequate lighting.
5. Oil and grease removed.
6. Waste containers provided and used.



CONTRACTOR SITE SAFETY MANUAL

7. Adequate supply of drinking water.
 8. Sanitary facilities adequate and clean.
 9. Adequate ventilation.
- D. First Aid
1. First aid station with supplies and equipment.
 2. Trained first aid men.
 3. Injuries promptly and properly reported.
- E. Personal Protective Equipment
1. Hard hats.
 2. Hearing protection.
 3. Eye and face protection.
 - a. Goggles where flying particles exist.
 - b. Face shields for dust.
 - c. Welding masks for welder.
 4. Respiration protection.
 5. Safety harnesses with 2 shock absorbing lanyards.
 6. Gloves where required.
- F. Fire Protection
1. Fire safety introduction to employees.
 2. Fire extinguishers - charged and identified.
 3. No smoking areas posted.
 4. Flammable and combustible material storage area.
 5. Safety gasoline containers.
- G. Hand and power tools
1. Inspect all tools for proper operating condition.
 2. All tools stored properly and neatly.
 3. All power tools properly grounded.
 4. Inspect all tools for proper safety guards.
- H. Welding and Cutting

CONTRACTOR SITE SAFETY MANUAL

1. Gas and oxygen cylinders secured in a vertical position.
 2. Hoses inspected regularly.
 3. Cylinders, caps, valves, couplings, regulators and hoses kept free of oil and grease.
 4. Cylinder caps shall be in place whenever cylinder is not being used.
 5. Maintain gauge pressures - oxygen 200-275KPA (30-40 pounds), acetylene 35-70KPA (5-10 pounds), when in use, small tip uses less.
 6. Two (2) sets of flash arresters (for oxyacetylene outfits). One (1) set at torch handle and one (1) set at regulators.
- I. Electrical
1. All portable tools and cords will be properly grounded.
 2. Daily visual inspection of caps ends and cords for deformed or missing pins, insulation damage and internal damage.
 3. Tests of cords, tools and equipment for continuity and correct attachment of the equipment grounding connector to the proper terminal shall be made every three (3) months and:
 - a. Prior to first use.
 - b. Prior to return to service after repairs.
 - c. Prior to return to service after incident which may have caused damage to cord or equipment.
 4. Cords and equipment which do not meet requirements shall be removed from service until repairs have been made.
 5. Maintain a written log of all tests on cords, tool and equipment unless there is G.F.I. installation.
- J. Ladders
1. Inspect at regular intervals.
 2. No broken or missing rungs or steps.
 3. No broken or split side rail.
 4. Extend at least 1 meter (36") above landing and secure.
 5. Side rail of 50mm x 10mm (2 inch x 4 inch) up to 5 meters (16 feet) - above 5 meters (16 feet) to be 75mm x 150mm (3 inch x 6 inch).
 6. Cleats 50mm x 100mm (2 inch x 4 inch). Rungs, cleats and steps shall be spaced not less than 10 inches apart and not more than 14 inches apart, center to center.

CONTRACTOR SITE SAFETY MANUAL

K. Scaffolding

1. Inspect at regular intervals.
2. Footings shall be sound ridge and capable of carrying the maximum intended load.
3. Tied into building according to manufacturer's recommendations or vertically and horizontally at 20 foot (6.1 meter) intervals.
4. Properly cross braced.
5. Proper guard rail and toe boards.
6. Scaffold planks shall be scaffold grades or equivalent.
7. Scaffolds shall be capable of supporting at least four (4) times the maximum intended load.
8. C.M.U. shall not be used as scaffold foundation.

L. Guardrails, handrails, and covers

1. Guardrails, handrails and covers shall be installed wherever there is danger of employees or materials falling through floor, roof, or wall openings and shall be guarded on all exposed sides.
2. Post shall be of at least 50mm x 100mm (2 inch x 4 inch) stock spaced not more than 2.5 meters (8 feet) apart.
3. Top rail shall be 107cm (42 inches) above the floor and of 500mm x 100mm (2 inch x 4 inch) stock.
4. The intermediate rail shall be 53cm (21 inches) above the floor and of 25mm x 100mm (1 inch x 4 inches) stock.
5. Guardrail assemblies around floor openings shall be equipped with toe boards. The toe boards shall be 100mm (4 inch) minimum above the floor level and shall not have more than 6mm (1/4 inch) clearance above the floor level, if there are employees below and conditions dictate. Toe boards must withstand a force of 50 pounds.
6. Guardrails must be capable of supporting 91kg (200 pounds) in any direction.

M. Material Hoists.

1. Inspect at regular intervals.
2. Operating rules shall be posted at operator's station.
3. "No Rider" signs posted at all stations.
4. All entrances shall be properly protected.



CONTRACTOR SITE SAFETY MANUAL

5. All entrance bars and grates shall be painted with diagonal contrasting stripes.
 6. Have experienced operator.
 7. Current crane certification inspection sticker and papers on rig.
- N. Motor Vehicles.
1. Inspect all lights, brakes, ties, horn, etc. at regular intervals.
 2. Do not overload vehicles.
 3. Trash trucks shall have covers.
 4. No riding on edge of pickup truck bed.
 5. No riding on concrete trucks, loaders, backhoes, etc.
 6. Back-up alarms on loaders, tractors, backhoes, etc.
- O. Material Storage and Handling
1. Designate material storage area.
 2. Keep material at least 61cm (2 feet) from edge of excavation.
 3. Control drinking water.
 4. Inspect frequently.
- P. Concrete, Concrete Forms and Shoring.
1. Employees tying rebar more than 2 meters (6 feet) above adjacent working surface shall use safety harnesses.
 2. Trowel machines shall have automatic shut off switch.
 3. No riding on concrete buckets or flying forms.
 4. All forms properly shored.
 5. Single post shores shall be braced horizontally.
- Q. Use of cranes and derricks
1. The use of a crane or derrick to hoist employees on a personal platform is prohibited, except in the situation where no safe alternative is possible.



CONTRACTOR SITE SAFETY MANUAL

SAFETY EQUIPMENT and PPE (Personal Protective Equipment) CHECK LIST

The following is a list of safety equipment and PPE (Personal Protective Equipment) that should be on the jobsite at all times. It should be checked regularly by the Superintendent to see that the required equipment is on the jobsite and in kept good condition.

1. Safety goggles, shields and glasses.
2. Hearing protection.
3. Respirators.
4. Fire extinguishers (properly charged).
5. First Aid Kit (check list inside kit).
6. Stretcher or Stokes Litter.
7. Welding masks and goggles.
8. Storage racks for oxygen and acetylene bottles.
9. Guards on all power tools.
10. Trash barrels.
11. Safety Policy posted.
12. Dry run to clinic for emergency procedure.



CONTRACTOR SITE SAFETY MANUAL

EMERGENCY CONTACTS

This list should be filled out and placed in a conspicuous place near the (such as the bulletin board in the office trailer). All Contractor and Subcontractor personnel should be made aware of the safety policy and emergency phone numbers.

CALL 911 in case of emergency.

J.E. Decker Construction Group Safety Director Mike Calsam – (352) 672.3210

J.E. Decker Construction Group Project Superintendent < _____ >

J.E. Decker Construction Group Project Manager < _____ >

J.E. Decker Construction Group Home Office – (352) 448.1428

Project Address: < _____ >
< _____ >
< _____ >
< _____ >

Alachua County Poison Control – (800) 222.1222

University of Florida Emergency Management – (352) 273.2100

University of Florida Environmental Health and Safety – (352) 392.1591

University of Florida Police Department – (352) 392.1111



CONTRACTOR SITE SAFETY MANUAL

EMPLOYEE SAFETY CHECK LIST

(SAMPLE)

Employee Name: _____ Date: _____

Job Name: _____ Job Number: _____

Superintendent: _____

FIRST DAY SAFE JOB INTRODUCTION - Check all items as covered:

1. Basic Safety

- Personal Information
- Company's Safety Policy
- Safety Contest and Department Awards
- Safety Representative

2. Personal Protective Equipment

- Eye Protection - equipment issued ____yes ____no
- Work Shoes
- Head Protection - Hard Hat
- Any additional special department equipment - equipment issued ____yes ____no

3. Accidents

- Does employee understand WHY we want them to report the injury?
- Explain that he/she must record the accident by informing the Superintendent or Foreman IMMEDIATELY (Immediately meaning at or near the time of injury and on the same day of the injury).
- Explain that failure to report accidents immediately is a violation of Safety Policy and may be subject to immediate termination.
- Make sure employee understands CLEARLY what he/she is to do immediately if injured, no matter how slight.



CONTRACTOR SITE SAFETY MANUAL

4. Employee Responsibilities to Co-Workers
 - () Explain how each employee's own personal safety and that of fellow workers, depends on them.

5. Explanation of General and Departmental Safety Rules.
 - () Explain safety rules and the consequences of safety violations.
 - () Request employee to study them.
 - () Encourage employee to ask questions.

6. Proper Job Instruction
 - () Show employee the safe, correct and easiest way to do job.
 - () Illustrate methods and question employee on understanding.
 - () Brief employee on proper lifting techniques.
 - () Written hazard communication program and explain to employee.
 - () Material safety data sheets (M.S.D.S.) and explain to employee.

COMMENTS:

I state that I have attended the safety orientation, have read, and received a copy of the safety rules and regulations.

I further state that I understand these rules and acknowledge that compliance to safety rules and regulations is a condition of employment.

EMPLOYEE SIGNATURE: _____ DATE: _____

SUPERVISOR'S SIGNATURE: _____ DATE: _____

APPROVED BY SUPERINTENDENT: _____ DATE: _____



FALL PREVENTION PROGRAM

Purpose

To provide guidelines for maximum protection for all personnel against falls.

Goal

Achieve 100% Fall Protection for all personnel when working above ground level.

Responsibility

Contractor and Subcontractor are responsible for supporting and enforcing this program to ensure 100% compliance by all personnel. The Owner shall have full authority to ensure 100% enforcement of the program. The Owner's primary responsibility however, will be to support and monitor the program for compliance and to advise Contractor.

Procedures

All Contractor/Subcontractor personnel on this project will be required to wear an approved full body harness with two (2) shock absorbing lanyards.

Contractors/Subcontractors shall make maximum use of primary fall protection systems such as scaffolds, aerial lifts, personnel hoists, etc. These systems shall be equipped with complete working/walking surfaces free of floor openings, with standard guard rail systems and a safe means of access.

Personnel traveling or working in elevated areas where a fall exposure exists shall make use of secondary fall protection in securing their safety lanyard at all times to a structure, lifeline or approved fall arresting device capable of supporting 5400 pounds.

Personnel working from or traveling in powered work platforms or personnel lifting/hoisting devices shall also properly secure their safety lanyards as noted in procedures below.

NOTE: PERSONNEL TRAVELING IN CONSTRUCTION ELEVATORS ARE NOT REQUIRED TO SECURE SAFETY LANYARDS.

Fall protection devices such as lifelines, safety harnesses/lanyards, etc., shall be inspected on a regular basis for damage and/or deterioration. Defective equipment shall be removed from service and destroyed or repaired.

Fall prevention devices and systems shall not be used for any purpose other than employee safeguarding.

Contractors/Subcontractors shall comply with the requirements set forth in this program as a minimum for fall protection.



FALL PREVENTION PROGRAM

Fall Protection Devices

1. Primary Fall Prevention Systems

These systems provide walking and working surfaces in elevated areas which are free from floor openings and are equipped with standard guard rail systems on all open sides and with closure apparatus for ladder openings or other points of access when required. These systems include, but are not limited to; scaffolds, pencil boards, aerial lifts (JLG, scissor lifts, etc.) and other approved personnel hoisting devices.

Standard guard rail systems consist of a top rail of 2 X 4 lumber or equivalent material approximately forty-two inches (42") above the walking/working surface, a mid rail at approximately twenty-one inches (21") above said surface. Upright support post spacing must not exceed eight feet (8') and the entire system must be capable of supporting 200 pounds force in any direction with minimum deflection. These systems are used to guard open sides of floors, platforms and walkways in elevated areas.

Floor opening/hole covers are used to close opening and holes in floors, platforms and walkways. These covers must be capable of supporting the maximum potential load they may be subjected to. The cover must completely cover the opening/hole and be secured against accidental displacement. These covers must be marked "**HOLE COVER - DO NOT REMOVE**".

2. Secondary Fall Protection Systems - Safety Harness/Lanyard Systems

These systems must be worn and used as a backup to the Primary Fall Protection Systems noted above and/or in the absence of Primary Systems.

Only safety harnesses/lanyard systems furnished by the Contractor may be used on this project. Personal safety harnesses/lanyard systems may not be used.

Contractors/Subcontractors shall provide appropriate fall protection for their employees.

Lanyards must be of the shock absorbing type when used for fall protection.

The fall protection lanyards shall be attached to the d-ring located in the middle back of the safety harness.

D-rings located at the waist may only be used for positioning and with rail type ladder climbing devices.

Work positioning lanyards are to be attached to d-rings at the waist belt location and be supported by an appropriate work belt. Positioning lanyards need not be of shock absorbing



FALL PREVENTION PROGRAM

type and must not be used for fall protection. The positioning lanyard must always be backed up by a properly secured shock absorbing fall protection lanyard.

Lifelines

Lifeline systems are points of attachment for fall protection lanyards and must be capable of supporting at least 5400 pounds. Lifelines may be mounted either vertically or horizontally and are generally intended to provide mobility to personnel working elevated areas.

Horizontal Lifelines must be made at least three eighths inch (3/8") wire rope cable properly supported to withstand at least 5400 pounds impact.

Horizontal Lifelines should be positioned so as to provide points of attachment at waist level or higher to personnel utilizing them. Lifelines shall not be used for any purpose other than fall protection.

Horizontal Lifelines shall be installed and maintained by the Contractor's assigned personnel.

Vertical Lifelines are used for personnel fall protection when vertical mobility is required and may be comprised of static lifelines made of synthetic fiber rope or cables which are equipped with approved sliding rope grabs or they may consist of self retracting reel type lanyard/lifelines which are attached directly to a safety harness.

Static rope lifelines with rope grabs are required for personnel working from spiders/ski-climbers and two-point suspension scaffolds. These types of lifelines can also be used to provide fall protection for other operations such as scaffold erection and structural steel erection where tie off points are limited and vertical mobility is required.

Sliding rope grabs approved for the size rope used are the only method for securing a safety lanyard to a vertical lifeline. Lanyards shall not be attached to lifelines by means of knots or loops.

Rope grabs shall be positioned on the lifeline above the shoulders of the user.

Other devices which can be used are:

➤ **Safety Nets**

Safety nets may be used in some situations as secondary fall protection and shall be inspected regularly by the Contractor's assigned competent person.

➤ **Connector Toggles**

These devices lock into structural steel bolt holes to provide an attachment point for a safety lanyard. These devices are to be used by structural iron connectors and bolt up personnel during steel erection.



FALL PREVENTION PROGRAM

➤ Concrete Form Tie-Offs

These devices attach to patented concrete forms to provide an attachment point for safety lanyards. These devices are to be used when placing concrete forms at elevations where a fall exposure exists.

Lifeline Placement/Installation

Horizontal Lifelines

All horizontal lifelines placed in skeletal steel structures (e.g. pipe racks, etc.) shall be three-eighths inch (3/8") cable as a minimum and shall be secured on each end by at least two (2) cable clamps. Intermediate supports shall be adequate to minimize sag and vertical deflection under loading.

Horizontal lifelines shall be installed and maintained by the Contractor's assigned competent person.

Priority shall be given to lifeline placement as structures are erected.

Lifelines shall be arranged to provide adequate mobility in all areas of the structure while maintaining 100% fall protection for personnel.

Lifelines should be arranged to provide tie off points at least waist high for personnel using them.

Lifelines shall not be used for any purpose other than fall protection.

Personnel installing lifelines shall be protected from falls at all times by use of retractable lanyards or tie off to structural steel, etc.

The Contractor/Subcontractor shall schedule regular documented inspections of all lifelines at least weekly.

Vertical Lifelines/Retractable Lifelines

1. Static Rope

Static rope lifelines shall be made of synthetic fiber rope approved and maintained by the Contractor's assigned competent person.

Static rope lifelines must be used with approved rope grabs for lanyard attachment.

Static rope lifelines must be anchored at the top by means capable of supporting 5400 pounds.



FALL PREVENTION PROGRAM

NOTE: SOFTENERS SHOULD BE USED WHERE LIFELINES CONTACT SHARP EDGES SUCH AS BEAM FLANGES.

Static rope lifeline/rope grabs will be placed for each person working from or riding in spiders/ski-climbers or two-point suspension scaffolds. Each person must have an individual lifeline.

2. Retractable Reel Lifelines

Retractable lifeline devices shall be attached to supports capable of withstanding 5400 pounds impact loading.

Retractable lifeline devices shall be secured by means of shackles and wire rope chokers or synthetic slings. ROPE (synthetic or natural fiber) SHALL NOT BE USED TO SECURE THESE DEVICES.

Each retractable lifeline device shall be equipped with a rope tag line for extending the device to elevations below the point of attachment.

Retractable lifeline devices shall be placed at the top of every temporary construction ladder which is to be used for repeated access/egress to elevations.

Retractable lifelines devices shall also be used to provide fall protection to structural iron workers during erection prior to installation of other fall protection systems.

Ladders

Permanent caged structural ladders may be ascended or descended without additional fall protection.

Temporary construction ladders shall extend at least thirty-six (36") above their uppermost landing and be secured against displacement.

Personnel shall maintain three points of contact while ascending or descending ladders.

All temporary construction ladders placed for repeated access/egress to elevations shall be equipped with retractable lifelines. Personnel using these ladders shall secure the retractable lifeline to their harness while ascending or descending the ladder.

Retractable lifeline reels shall be secured above the highest point of access to applicable ladders and be equipped with tag line of one-fourth inch (1/4") synthetic fiber rope extending from the lifeline reel to the ground when the reel is fully retracted.

FALL PREVENTION PROGRAM

Portable ladders (e.g. extension ladders, step ladders, etc.) do not require the retracting lifeline when they are used for access to an elevation to perform a single task. While using these types of ladders the following must be complied with:

- Personnel using the ladder must receive specific training concerning the use of portable ladders and associated fall protection techniques.
- Personnel climbing ladders which are not tied off at the top must have another person hold the ladder at the bottom until it can be secured. This includes the last trip down after untying a ladder at the top.
- Upon climbing to the elevation where the task is to be performed the person on the ladder shall properly secure their safety lanyard. Next, the ladder must be tied off before work can begin. When the task is complete the process is reversed with the safety lanyard being the last protective device released prior to descent.

Temporary Lifts/Hoisting Devices

Every effort shall be made to ensure all temporary platforms/walkways are equipped with solid decks free of openings and equipped with standard guard rail systems.

Personnel working from temporary platforms or traveling on temporary catwalks shall have their safety lanyard secured to a lifeline capable of supporting 5400 pounds impact loading.

Every temporary work platform or walkway must be provided with a safe means of access/egress which allows personnel to remain tied off at all times. Retractable lifelines shall be used to achieve fall protection while ascending or descending access ladders to temporary work platforms or walkways.

Personnel Lifts/Hoisting Devices

1. Aerial Lifts (JLG, Scissors, Snorkel, Etc.)

Personnel riding in or working from these lifts must secure their safety lanyard to the lift basket at all times.

Lifts shall be placed on solid level surfaces to eliminate the possibility of overturning.

2. Spider and Ski-Climbers

Personnel riding in or working from these hoisting devices shall each be provided an independent lifeline and rope grab to which their lanyard shall be secured at all times when aloft.

FALL PREVENTION PROGRAM

3. Crane Hoisted Personnel Baskets

Use of these devices shall comply with the safety procedures set forth by OSHA as minimum or Contractor's Safety Procedure, whichever is more stringent.

Personnel riding in or working from personnel baskets must have their lanyard secured to the basket when aloft.

Skeletal Steel/Open Structures

This section deals with fall protection when personnel are required to gain access and work in skeletal steel/open structures such as pipe racks. This includes traveling on or working on any elevated surface which is not designed as a personnel work surface or walkway (e.g. pipe, cable tray, etc.).

Personnel working or traveling in elevated skeletal steel/open structures shall secure their lanyards to a lifeline or structure capable of supporting 5400 pounds at all times (100% fall protection).

NOTE: THIS INCLUDES BOTH HORIZONTAL AND VERTICAL TRAVEL.

Adequate lifeline systems will be provided on skeletal/open structures to allow 100% fall protection for personnel working or traveling in these structures.

Vertical travel in these structures shall consist of properly placed and secured access ladders equipped with retractable lifelines. Personnel climbing or descending these ladders shall secure these retractable lifelines to their safety harnesses while using the ladder.

In lieu of lifelines, personnel may secure safety lanyards to substantial structural steel members, pipe and pipe supports. Personnel shall avoid securing lanyards to cable tray, conduits, small bore pipe less than 2" in diameter, screw pipe, and insulated pipe.

Permanent Structures/Stairs/Caged Ladders

All Contractor and Subcontractor personnel are required to wear an approved full body safety harness and shock absorbing lanyards if the personnel are working or traveling in complete permanent structures where fall protection exist, such as floor openings and open sided floors must be properly tied-off within six feet (6') of any fall exposure.

Priority shall be given to installation and securing of permanent floors and walking surfaces and all guard rails and other permanent fall protection devices.

Temporary guard rails and floor covers shall be installed to eliminate fall exposures.

Only Contractor or Subcontractor personnel responsible for steel erection are allowed on elevated floors with fall exposure, such as floor openings or open sided floors unless permission has been granted for



FALL PREVENTION PROGRAM

other personnel to be working around fall exposure. Such parties shall exercise extreme caution and communicate with the competent person or persons in charge of the permanent structure.

Permanent stairs when completed shall be used to access or egress elevated work areas.

Structural Steel Erection

Personnel erecting structural steel shall achieve 100% fall protection through use of safety harness/lanyards, retractable lifelines, connectors, toggles and aerial lifts, snorkel, etc.).

Access to structural steel shall be obtained by use of ladders, aerial lifts or other approved personnel hoisting devices. Climbing of structural steel members such as columns and diagonal braces shall not be allowed.

Prior to and during horizontal lifeline placement, structural personnel shall crawl (coon) steel members with lanyards secured around said members. Retractable lifelines secured at elevations above the point of operation may be used in some applications to provide fall protection prior to availability of horizontal lifelines.

When lanyard lengths longer than standard are required due to large steel members, the Project Safety Department shall be contacted to approve methods for obtaining the additional length.

Reinforcement Steel/Concrete Form Work

Personnel working on rebar walls, piers and on concrete form walls must have fall protection 100% of the time they are off the ground.

This fall protection can be achieved through the use of retractable lifelines, static lifeline and rope grabs or use of double lanyards.

Personnel working rebar or formed walls and elevated piers generally require a work positioning lanyard (cannot be used for fall protection) and a fall protection lanyard.

On vertical rebar walls the safety lanyard shall be secured at a point above the workers head, either to a lifeline or a horizontal section of rebar.

On form walls personnel shall use patented construction form tie-off attachments or lifelines to secure their safety lanyards.

Rigging/Crane Assembly and Dismantling

Crane assembly-dismantling operations pose a challenge to the 100% fall prevention program. However, through thought and planning maximum protection can be achieved.



FALL PREVENTION PROGRAM

Fall protection shall be obtained during these operations through the use of retractable lifelines and safety harnesses with lanyards. Personnel shall minimize movement in elevated areas by using ladders and personnel lifts.

Employee's Report of Injury Form

Instructions: Employees shall use this form to report all work related injuries, illnesses, or “near miss” events (which could have caused an injury or illness) – *no matter how minor*. This helps us to identify and correct hazards before they cause serious injuries. This form shall be completed by employees as soon as possible and given to a supervisor for further action.

| | |
|---|------------------------|
| I am reporting a work related: <input type="checkbox"/> Injury <input type="checkbox"/> Illness | |
| Your Name: | |
| Job title: | |
| Supervisor: | |
| Have you told your supervisor about this injury? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Date of injury: | Time of injury: |
| Names of witnesses (if any): | |
| Where, exactly, did it happen? | |
| What were you doing at the time? | |
| Describe step by step what led up to the injury. (continue on the back if necessary): | |
| What could have been done to prevent this injury? | |
| What parts of your body were injured? | |
| Did you see a doctor about this injury/illness? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| If yes, whom did you see? | Doctor's phone number: |
| Date: | Time: |
| Has this part of your body been injured before? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| If yes, when? | Supervisor: |
| Your signature: | Date: |

Supervisor's Accident Investigation Form

Name of Injured Person _____

Date of Birth _____ Telephone Number _____

Address _____

City _____ State _____ Zip _____

(Circle one) Male Female

What part of the body was injured? Describe in detail. _____

What was the nature of the injury? Describe in detail. _____

Describe fully how the accident happened? What was employee doing prior to the event? What equipment, tools being using? _____

Names of all witnesses:

Date of Event _____ Time of Event _____

Exact location of event: _____

What caused the event? _____

Were safety regulations in place and used? If not, what was wrong? _____

Employee went to doctor/hospital? Doctor's Name _____

Hospital Name _____

Recommended preventive action to take in the future to prevent reoccurrence.

Supervisor Signature

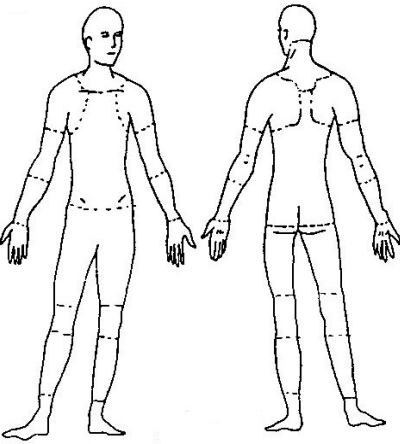
Date

Incident Investigation Report

Instructions: Complete this form as soon as possible after an incident that results in serious injury or illness.
 (Optional: Use to investigate a minor injury or near miss that *could have resulted in a serious injury or illness.*)

| | |
|--|--|
| This is a report of a: <input type="checkbox"/> Death <input type="checkbox"/> Lost Time <input type="checkbox"/> Dr. Visit Only <input type="checkbox"/> First Aid Only | |
| Date of incident: | This report is made by: <input type="checkbox"/> Employee <input type="checkbox"/> Supervisor <input type="checkbox"/> Team <input type="checkbox"/> Other _____ |

Step 1: Injured employee (complete this part for each injured employee)

| | | |
|---|--|---|
| Name: | Sex: <input type="checkbox"/> Male <input type="checkbox"/> Female | Age: |
| Department: | Job title at time of incident: | |
| Part of body affected: (shade all that apply)  | Nature of injury: (most serious one) <input type="checkbox"/> Abrasion, scrapes <input type="checkbox"/> Amputation <input type="checkbox"/> Broken bone <input type="checkbox"/> Bruise <input type="checkbox"/> Burn (heat) <input type="checkbox"/> Burn (chemical) <input type="checkbox"/> Concussion (to the head) <input type="checkbox"/> Crushing Injury <input type="checkbox"/> Cut, laceration, puncture <input type="checkbox"/> Hernia <input type="checkbox"/> Illness <input type="checkbox"/> Sprain, strain <input type="checkbox"/> Damage to a body system: <input type="checkbox"/> Other _____ | This employee works: <input type="checkbox"/> Regular full time <input type="checkbox"/> Regular part time <input type="checkbox"/> Seasonal <input type="checkbox"/> Temporary |
| | | Months with this employer |

Step 2: Describe the incident

| | |
|--|-------------|
| Exact location of the incident: | Exact time: |
| What part of employee's workday? <input type="checkbox"/> Entering or leaving work <input type="checkbox"/> Doing normal work activities <input type="checkbox"/> During meal period <input type="checkbox"/> During break <input type="checkbox"/> Working overtime <input type="checkbox"/> Other _____ | |
| Names of witnesses (if any): | |

| | | | |
|---|-----------------------------|--------------|------------------|
| Number of attachments: | Written witness statements: | Photographs: | Maps / drawings: |
| What personal protective equipment was being used (if any)? | | | |
| Describe, step-by-step the events that led up to the injury. Include names of any machines, parts, objects, tools, materials and other important details. | | | |
| Description continued on attached sheets: <input type="checkbox"/> | | | |

| Step 3: Why did the incident happen? | |
|--|---|
| Unsafe workplace conditions: (Check all that apply) <input type="checkbox"/> Inadequate guard <input type="checkbox"/> Unguarded hazard <input type="checkbox"/> Safety device is defective <input type="checkbox"/> Tool or equipment defective <input type="checkbox"/> Workstation layout is hazardous <input type="checkbox"/> Unsafe lighting <input type="checkbox"/> Unsafe ventilation <input type="checkbox"/> Lack of needed personal protective equipment <input type="checkbox"/> Lack of appropriate equipment / tools <input type="checkbox"/> Unsafe clothing <input type="checkbox"/> No training or insufficient training <input type="checkbox"/> Other: _____ | Unsafe acts by people: (Check all that apply) <input type="checkbox"/> Operating without permission <input type="checkbox"/> Operating at unsafe speed <input type="checkbox"/> Servicing equipment that has power to it <input type="checkbox"/> Making a safety device inoperative <input type="checkbox"/> Using defective equipment <input type="checkbox"/> Using equipment in an unapproved way <input type="checkbox"/> Unsafe lifting <input type="checkbox"/> Taking an unsafe position or posture <input type="checkbox"/> Distraction, teasing, horseplay <input type="checkbox"/> Failure to wear personal protective equipment <input type="checkbox"/> Failure to use the available equipment / tools <input type="checkbox"/> Other: _____ |
| Why did the unsafe conditions exist? | |
| Why did the unsafe acts occur? | |
| Is there a reward (such as “the job can be done more quickly”, or “the product is less likely to be damaged”) that may have encouraged the unsafe conditions or acts? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: | |
| Were the unsafe acts or conditions reported prior to the incident? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Have there been similar incidents or near misses prior to this one? <input type="checkbox"/> Yes <input type="checkbox"/> No | |

Step 4: How can future incidents be prevented?

What changes do you suggest to prevent this incident from happening again?

- Stop this activity Guard the hazard Train the employee(s) Train the supervisor(s)
- Redesign task steps Redesign work station Write a new policy/rule Enforce existing policy
- Routinely inspect for the hazard Personal Protective Equipment Other: _____

What should be (or has been) done to carry out the suggestion(s) checked above?

Description continued on attached sheets:

Step 5: Who completed and reviewed this form? (Please Print)

Written by:

Title:

Department:

Date:

Names of investigation team members:

Reviewed by:

Title:

Date: