

JOB HAZARD ANALYSIS

Reference: 29 CFR 1926 Subpart Q, Concrete and masonry construction. OSHA Standard

Job Description	Hazard Identification	Hazard Controls
Concrete Placing		
Laying out footing forms		
1. Cutting form lumber with circular saw	1. High pitched noise can damage hearing	a. Saw operators and adjacent workers will wear hearing and eye protection when operating saws.
2. Setting and securing form lumber in place	2. Saw blades cut whatever they come in contact with	b. All power saws will have manufacturer-supplied guards in place and operational at all times
3. Driving/securing stakes in ground	3. Electrical Shock	c. Inspect and test equipment and cords.
	4. Sledge hammer can send particles of wood/metal flying	d. Power tools not in use shall be disconnected from their power source.
		e. All workers will wear eye protection.
		f. Person using sledge hammer will make sure everyone else is clear before swinging.
Installing Rebar		
1. Cutting rebar	1. Grinder wheel throws off sparks and hot bits of metal	a. Rebar cutters will wear safety glasses, gloves, hearing protection, safety vest, and hardhats.
2. Setting and tying rebar	2. Accidental contact with grinder wheel can cause bad cuts	b. Workers will ensure the grinder's guard is in place and fully operational before use.
	3. Mill scale, sharp/sheared ends of tie wire can injure eyes	c. Workers tying rebar will wear safety glasses.
	4. Tripping and/or falling	d. Debris should be removed from work areas on a regular basis.
	5. Impalement hazard	e. Rebar should be properly stacked. Stacks stored beneath overhead power lines shall first be moved forward and away from the power lines before being lifted, to eliminate contacting power lines.
	6. Accidental contact with overhead power lines	f. All protruding ends of steel rebar shall be guarded with rebar caps or wooden troughs, or bent so that exposed ends no longer create an impalement hazard. Refer to OSHA 1926.701(b)
Scaffolding		
1. Scaffold set up	1. Pinch Points	a. Ensure hard hats, safety glasses, and safety vests are worn.
2. Ladder set up	2. Slips, trips, and falls	
3. Getting to the scaffold platform		a. Ensure scaffold is secure and stable.
4. Using scaffold components		a. Ensure that top rail, mid-rail, and toe boards are in place.

		b. Use ladders or stairs to reach platforms that are more than 2 feet above or below the access point.
		c. Don't use damaged scaffold components; repair or replace them immediately.
		d. Make sure a competent person inspects the components before each work shift.
		e. Don't modify components.
Placing Concrete		
1. Positioning concrete pumper and redi-mix trucks	1. Workers run over/backed into by equipment	a. While heavy equipment is operating, all workers on the ground will wear hi-visibility vests and hardhats.
2. Placing concrete as it comes from the hose	2. Air in line causing high-speed burst of concrete	b. Concrete pumpers and redi-mix trucks will always have spotters while backing up.
		c. Equipment idling longer than 3 minutes shall be turned off.
		d. Only trained workers will handle the whip-hose.
		e. Whip-hose operator and others will coordinate on signals with pump operator.

<p>Instructions for employees</p> <p>Actions for forming</p> <ul style="list-style-type: none"> Clear debris from area on a regular basis Wear hardhat, eye protection Inspect and test equipment prior to use <p>Actions for installing rebar</p> <ul style="list-style-type: none"> Wear safety glasses, gloves, hearing protection, safety vest and hardhats Inspect and test equipment prior to use Clear debris from area on a regular basis Properly stack rebar All protruding ends of rebar should be capped <p>Actions for scaffolding</p> <ul style="list-style-type: none"> Wear hardhats, safety glasses, and safety vests Ensure that scaffold is secure and stable Ensure that top rail, mid-rail and toe boards are in place Ensure that ladder is installed properly and in a stable place A competent person must inspect components of scaffold prior to each shift <p>Actions for concrete placement operation</p> <ul style="list-style-type: none"> While heavy equipment is operating, all ground workers will wear hardhats and safety vests Pumpers and redi-mix trucks will use spotters Equipment idling more than 3 minutes will be shut off Only trained workers will use the whip-hose Whip-hose operator and others will coordinate signals with pump operator

Have all crew members sign here to acknowledge their understanding of the JHA.

Manager / Supervisor Signature: _____ Date: _____

NOTE TO MANAGER, SUPERVISOR OR FOREMAN: WORK MUST NOT START UNTIL CONTROLS ARE IN PLACE AND THIS HAS BEEN DISCUSSED AND ALL SIGNATURES ARE OBTAINED.