## SAFE WORK PRACTICE



TITLE	REBAR, Tying
GENERAL	Construction, Tools, WHMIS, Worksite.
APPLICATION	Construction personnel and any other workers or operations that may be affected at the worksite or facility.
PROTECTIVE MECHANISMS	Steel Toed Boots, Protective Eyewear (Face shield may be required depending on task (ex: use of grinder, quick cut), Protective Gloves (heavy-duty leather), High-Vis Vest, Long sleeves/long pants, Hard Hat. Respiratory Protection may be required depending on task (ex: concrete dust from dry cutting concrete). If working at heights, Fall Protection is required.
SELECTION	Pre-Job Safety Procedure
AND USE	<ul> <li>Attend daily site meetings and safety meetings as necessary.</li> <li>Review and understand daily tasks.</li> <li>Obtain Safe Work Permit/Hot Work Permit as required.</li> <li>Ensure safety equipment is readily available (ex: fire extinguisher, etc.)</li> <li>Know how to properly select, use, and maintain PPE and safety equipment.</li> </ul>
	<ol> <li><u>QUICK CUT SAW</u> (portable circular cut-off saw) used for cutting concrete, masonry products, etc.). Wear all required PPE including safety eye/face protection, hearing protection, steel-toed boots, tight-fitting protective clothing, etc.). Ensure you know and understand the hazards of the tool (ex: kickback or pull-in, inappropriate disks, and blades for the operation, etc.). Refer to the owner's manual and guide for use, inspection, and maintenance of the tool. Obtain and document training in its use from your supervisor.</li> <li><u>ANGLE GRINDER</u> (hand tool use to cut through rebar with a cut-off wheel specifically designed for use with metal). Wear all required PPE including safety eye/face protection, hearing protection, steel-toed boots, protective clothing, etc.). Ensure you know and understand the hazards of the tool (ex: high speed flying particles, inhaling dust/fume, kickback, electrical shock, etc.). Refer to the owner's manual and guide for use, inspection, and maintenance of the tool.</li> <li><u>REBAR SAFETY END CAP</u> (bright orange or yellow plastic safety caps). Use these to mark the ends of exposed rebar to prevent injury from cuts/scrapes, punctures, etc.</li> </ol>
	<ol> <li><u>KEDAK THE WIKE</u> wraps around the intersections of the rebar to prevent it from shifting when the concrete is poured. Tying rebar can pose a variety of hazards including cuts and puncture wounds, slip/trip/fall, etc.).</li> <li><u>CHAIRS</u>. Plastic chairs may work if the rebar structure is not too weighty, and the plant of the rebar structure is not too weighty.</li> </ol>
	<ul> <li>end structure will not be subjected to much abuse from the elements. However, concrete blocks ensure the strength and durability of the entire structure.</li> <li>6. <u>PLIERS</u>. Use pliers for efficient wire tying.</li> </ul>

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SUPERVISOR RESPONSIBILITY	• Ensure workers have adequate training and are competent to perform their tasks.
	<ul> <li>Provide the appropriate required personal protective and safety equipment.</li> </ul>
	• Provide machinery, equipment, and tools necessary to perform the job safely.
	• Ensure necessary inspections and maintenance requirements are followed.
	• Ensure personnel know and follow all safe work practices and procedures.
	• Ensure rebar is stored off the ground on suitable material to prevent damage.
WORKER	DO
RESPONSIBILITY	• Put safety end caps on any exposed rebar to avoid serious injuries. The cut ends of rebar are extremely sharp.
	<ul> <li>Use the appropriate type of tie to avoid displacing the rebar.</li> </ul>
	• Use chairs to keep the rebar in the correct position—speak to your supervisor.
	<ul> <li>Routinely pick up scrap rebar to prevent tripping hazards.</li> </ul>
	<ul> <li>Watch for rebar protruding from concrete foundation work.</li> </ul>
	• Tuck in boot strings and pant legs to prevent hang-ups when walking through the working area.
	• Store rebar off the ground on suitable material to prevent damage.
	DO NOT
	• Place rebar supports too far apart—the rebar will bend in the middle due to its
	weight.
	• Handle rebar with multiple pick-up points to minimize sagging.
	• Drag rebar or treat it roughly to avoid the rebar from swinging back and striking
	workers.
	• Do not arc weld rebar (only certain types of rebar stamped "W" can be welded).
SAFE WORK	1. Measure length of rebar and mark. Always wear gloves and eye protection when
PRACTICE	And the set of fire extinguisher prior to sutting
	2. Know location of the extinguisher phor to cutting.
	<ol> <li>Complete not work permits as required.</li> <li>Inspect Quick Cut Saw or Angle Cripder prior to use (remove from convice if any</li> </ol>
	defects are noted).
	5. Use quick cut saw or grinder to cut the rebar to the appropriate length.
	6. Place rebar as per plan. Speak to your supervisor if you have any questions.
	7. Tie the rebar. See next page for Rebar-Tying Methods
	8. Chair the rebar and tie lapping rebar together with either zip ties or tie wire. (If
	available, use a mechanical rebar-tying tool).
	9. Use pliers for efficient tying.
	10. Pull the feeding end from the wire reel with your non-dominant hand.
	11. Grip end of wire with pliers in dominant hand and poke or push it behind the rebar.
	12. Bend or angle the end toward the place you will be grabbing the end of then reach from that side.
	13. Grip it again with the pliers, pull it toward the next place you will route it to.
	pulling enough slack wire to complete the tie.

