



SOP-SITE-06 – Rebar Installation and Tie Wire Safety Procedure

Rebar Installation and Tie Wire Safety Procedure

Viking Reinforcing Ltd. – Construction Site Operational Procedure
Safe Installation, Tying, and Securing of Reinforcing Steel
Applicable to All Viking Reinforcing Field Operations – British Columbia

Document Control

Document Number	SOP-SITE-06
Activity	Rebar Installation and Tie Wire Safety
Applicable Standard	ISO 45001:2018 Clause 8.1 – Operational Control
Jurisdiction	WorkSafeBC Occupational Health & Safety Regulation
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1. Purpose

This procedure establishes safe work practices for installing reinforcing steel and tying rebar using tie wire on construction sites. The objective is to prevent hand injuries, lacerations, repetitive strain injuries, and hazards associated with unsecured reinforcing steel.

2. Scope

This procedure applies to all Viking Reinforcing employees performing rebar installation, tying cages, securing reinforcing steel, and assembling reinforcing structures on construction sites.

3. Roles and Responsibilities

VP Production – Chad Cowan

- Ensures safe procedures are implemented for field installation work.

Chief Safety Officer – Dan Ansell

- Provides guidance on safe installation and ergonomic practices.



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Foreman– Danny L’Heureux

- Supervises rebar installation operations and ensures crews follow procedures.

Crew Members / Rodbusters

- Follow safe tying practices and report hazards immediately.

4. Required Personal Protective Equipment

Workers installing and tying reinforcing steel must wear:

- Hard hat
- Safety glasses with side shields
- Cut-resistant gloves
- High visibility clothing
- CSA-approved safety boots

5. Hazards Associated with Rebar Tying and Installation

Common hazards include:

- Cuts and puncture wounds from tie wire
- Hand injuries from twisting tools
- Repetitive strain injuries
- Trips and falls over reinforcing steel
- Impalement hazards from exposed rebar
- Eye Injury

6. Safe Rebar Installation Practices

Workers must follow these installation practices:

1. Inspect reinforcing steel before installation.
2. Position bars according to engineering drawings.
3. Use chairs or spacers to maintain proper reinforcement spacing.
4. Secure steel before leaving the work area.
5. Maintain clean work areas to reduce trip hazards.

7. Tie Wire Safety Practices

Workers must:

- Use approved tie wire tools



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- Keep hands clear of twisting tools
- Cut excess tie wire to prevent puncture hazards
- Bend sharp wire ends away from workers.

8. Ergonomic Safety Considerations

Rebar tying can involve repetitive motion. Workers should:

- Take regular breaks
- Rotate tasks when possible
- Use mechanical tying tools when available.

9. Prohibited Practices

The following practices are prohibited:

- Leaving sharp tie wire ends exposed
- Using damaged tying tools
- Working on unstable reinforcing steel
- Ignoring impalement hazards.

10. Emergency Procedures

In the event of injury:

1. Stop work immediately.
2. Notify the supervisor.
3. Provide first aid if required.
4. Report the incident using FORM-OHS-02 – Incident Report Form.

11. Records and Documentation

FORM-OHS-02 – Incident Report Form

FORM-OHS-06 – Hazard Assessment Form

LOG-OHS-04 – Safety Meeting Log

REGISTER-OHS-02 – Corrective Action Register

12. Continuous Improvement

Incident reports, near misses, and worker feedback will be reviewed to improve installation and tying safety practices.