RMS 611 Hydraulic Rebar Shear Operation Procedure

Viking Reinforcing Ltd. – Fabrication Yard Operational Procedure
Applicable to Rebar Cutting Operations at Parksville, British Columbia

Document Control

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Equipment	RMS 611 Hydraulic Rebar Shear
Standards	ISO 45001:2018 Operational Control
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1. Purpose

This procedure establishes the safe operating requirements for the RMS 611 Hydraulic Rebar Shear used within Viking Reinforcing fabrication yard operations. The objective is to ensure that reinforcing steel cutting operations are performed safely, efficiently, and in compliance with ISO 45001 safety management requirements and WorkSafeBC occupational safety regulations.

2. Scope

This procedure applies to all Viking Reinforcing workers operating or working near the RMS 611 Hydraulic Rebar Shear in the fabrication yard located in Parksville, BC.

3. Equipment Description

The RMS 611 Hydraulic Rebar Shear is a heavy-duty hydraulic cutting machine designed for cutting reinforcing steel bars of various diameters used in construction applications.

4. Responsibilities

Director of Maintenance – Sean Vetra

- Responsible for equipment maintenance and mechanical integrity.

Chief Safety Officer – Dan Ansell
• Ensures safe operating procedures are implemented and followed.

Yard Foreman – Matt Warawa
• Supervises operators and ensures workers are trained and competent.

Operators
• Operate the equipment safely and report defects or hazards.

5. Required Training and Competency

Operators must:
• Receive equipment operation training
• Understand hazard controls
• Complete workplace safety orientation
• Be trained on lockout/tagout procedures
• Be competent in emergency stop operation

6. Required Personal Protective Equipment (PPE)

Workers operating the shear must wear:
• Hard hat
• Safety glasses
• Cut-resistant gloves
• High visibility vest
• CSA-approved safety boots
• Hearing protection where required

7. Hazards Associated with Rebar Shear Operation

Primary hazards include:
• Pinch points
• Flying metal fragments
• Hydraulic pressure hazards
• Sharp steel edges
• Noise exposure
• Manual handling injuries

8. Pre-Use Inspection

Operators must inspect the equipment prior to operation including:
• Hydraulic lines

- Blade condition
- Guards and protective shields
- Emergency stop functionality
- Control panel condition
- Work area hazards

Inspection records must be documented using FORM-OHS-12 – Equipment Pre-Use Inspection Form.

9. Safe Operating Procedure

1. Conduct pre-use inspection.
2. Ensure work area is clear of obstructions.
3. Confirm machine guards are in place.
4. Position rebar securely in cutting area.
5. Activate hydraulic shear using designated controls.
6. Maintain safe distance from cutting blade.
7. Allow blade to fully retract before removing material.
8. Stack cut rebar safely.

10. Prohibited Actions

Operators must NOT:

- Reach into the cutting area during operation
- Remove guards
- Operate damaged equipment
- Use the machine without proper training

11. Emergency Procedures

In the event of an emergency:

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

12. Maintenance and Blade Replacement

Maintenance must be performed by qualified personnel only. Equipment must be fully isolated using the Lockout/Tagout procedure before performing blade replacement or servicing.

13. Records and Documentation

FORM-OHS-12 – Equipment Pre-Use Inspection Form
FORM-OHS-02 – Incident Report Form

REGISTER-OHS-02 – Corrective Action Register
LOG-OHS-05 – Equipment Maintenance Log

14. Continuous Improvement

Operational incidents, maintenance findings, and worker feedback will be reviewed to improve equipment safety and operational practices.