RISK ASSESSMENT WIZARD

STEELWORK AND STRUCTURAL INSTALLATION

Safety Guide

Construction Trade

4	16	3
Key Benefits	Control Measures	Checklist Items

KEY BENEFITS

Structural Integrity

Creates strong, durable building frameworks.

Speed

Enables rapid construction of large structures.

Sustainability

Steel is highly recyclable and reusable.

Design Flexibility

Allows for innovative architectural designs.

KEY HAZARDS & CONTROL MEASURES

Working at Height

- ✔ Install safety netting and edge protection before work begins
- ✔ Use personal fall arrest systems when edge protection not possible
- ✔ Ensure safe access via scaffold or MEWPs
- ✔ Plan erection sequence to maximize collective protection

Welding & Hot Work

- ✔ Obtain hot work permits for all welding operations
- ✔ Use appropriate PPE including welding masks and gloves
- ✔ Ensure adequate ventilation or use extraction equipment
- ✔ Maintain fire watch during and after hot work

Falling Objects

- ✔ Establish exclusion zones beneath erection areas
- ✔ Use tool lanyards and secure storage for equipment
- ✔ Coordinate with crane operations for safe lifting
- ✔ Mandatory hard hats throughout site

Manual Handling

- ✔ Use mechanical handling wherever possible
- ✔ Team lift for components requiring manual handling
- ✔ Provide manual handling training
- ✔ Wear appropriate gloves to prevent cuts

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