



# Structural Steel

Structural Steel work includes the construction, alteration, repair, demolition, maintenance and dismantling of structural steel.

This procedure applies to the construction of:

- Portal framed buildings; and
- Residential and other buildings where steel frames provide structural strength and stability to the whole building.



## Primary risk that may be encountered



**Structural steel collapse**

Additional hazards may be involved with structural steel works. This could include lifting, work at height etc. These additional hazards and risks must be identified, assessed and controlled as per Frasers Property Australia (FPA) HSE Management System.

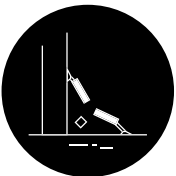
## Planning

Prior to commencing structural steel work, the following must be completed:

- Assess the risks of structural steel
- Complete sections 1 and 2 of the structural steel checklist
- Confirm emergency response procedures applicable to the risks
- Review and accept SWMS for the task

## Control

The following control measures must be implemented when there is the potential of the risk being encountered. Additional controls must be documented on the SWMS.



## Structural Steel Collapse

To manage the risks of structural steel collapse the following controls must be applied:

- Install physical exclusion zones and signage to prevent unauthorised persons entering the work zone
- Physically protect props and braces where there is a risk of impact or damage from mobile plant or traffic
- Works stop during inclement weather eg., high wind, electrical storms and rain etc.
- An experienced intermediate rigger (RI) must supervise the works at all times
- Written approval by the structural design engineer must be obtained if works cease at unscheduled points or the structure has not been completed to the specifications of the approved sequential erection procedure.

## Monitoring

Structural steel and the working environment must be inspected and the following sections of the structural steel checklist completed:

- Section 3 prior to commencement of the work day; and
- Section 4 at the end of the work day