

# Hazard Alert



## Roof Truss Collapse

### Hazard Summary

Two workers were injured as a result of a roof truss collapse during the construction of a house. The truss system had been installed and braced, and ready for sheathing. Soon after several piles of sheathing had been loaded onto the truss system, it became clear that the weight was more than the individual trusses were designed to support. The loaded trusses began to roll horizontally, collapsing the entire system and causing injuries to the workers.



### Hazard Location

Residential construction site.

### Contributing Factors

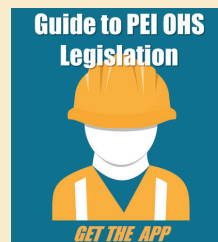
The manufacturer's recommendations were not followed when the individual trusses were overloaded with construction material that weighed more than the trusses could support.

### Recommendations

- Employers must make sure that workers understand and follow procedures supplied by the truss manufacturer on handling, erecting, positioning and bracing trusses
- Employers must make sure that truss erection is directed by a "competent" person under Occupation Health and Safety Regulations, who is appropriately qualified based on training, experience, and knowledge of the Act and Regulations
- Employers must make sure that trusses are properly braced to maintain structural capacity and stability

### Legislated Requirements

Section 12(1) (c) of the *Occupational Health and Safety Act* requires that an employer shall ensure such information, instruction, training, supervision, and facilities are provided as are necessary to ensure the occupational health and safety of the workers.



To report a serious workplace injury, contact  
the 24/7 Occupational Health and Safety Emergency Line at 902-628-7513

