Risk Assessment - Tower Scaffolding System

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Assessment Approver: Kevin 'Kev' Jarvis

Use of tower scaffolding

Department: Carriage and Wagon
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Review Due Before: 05 October 2028
Lead Assessor: Roger Exton
Team:

Incorrect methods of erection or dismantling

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Dangerous scaffolding Staff or volunteers not trained	Volunteers & Staff	1) CRITICAL - Administrative: All tower scaffolding is to be erected and dismantled as per the manufacturer's instructions using a safe method of work, either using the Advance guard rail system or the Through The Trap door (3T). A copy of the manufacturer's instructions must be available. At least one member of a scaffolding team must be appropriately qualified. All components should be checked for any faults - Effective 2) CRITICAL - Administrative: See also working from Height - Effective	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Tower scaffolding defects

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Faulty parts Improper use of or failure of equipment	Volunteers & Staff	1) CRITICAL - Engineering: All towers must be inspected by a competent person at regular intervals. If used for construction or a person could fall 2 metres or more from the working platform, it should be inspected every 7 days using a visible tag system. - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Moving a Tower

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Tower relocation Moving a tower on soft,slippery or uneven ground	Volunteers & Staff	1) Engineering: Always reduce the tower height to below 4m, temporarily raise the outriggers, check for overhead powerlines and other obstructions, check the ground is firm with no potholes or obstacles. Push or pull using manual effort at the base. - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Scaffold Quality

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Damaged components faulty or damaged components	Volunteers & Staff	1) CRITICAL - Engineering: All towers must be inspected by a competent person at regular intervals. If used for construction or a person could fall 2 metres or more from the working platform, it should be inspected every 7 days using a visible tag system. - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Scaffold Collapse

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Falling from scaffold Scaffold on uneven, sloping or slippery ground	Volunteers & Staff	1) CRITICAL - Engineering: Ensure the tower is fitted with guard rails and toe boards or other barriers. Cordon off the work area if required.Think about good house keeping and the effect the wind could have on large materials - Effective	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Overloading

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Workers and or materials exceeding the tower load rating Not understanding the load weight	Volunteers & Staff	1) CRITICAL - Engineering: Do not exceed the specific rated loading weight for the tower. Tower must have suitable guard rails and toe boards. Consider barriers to make a safe work area around the tower if required. - Effective	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Falling objects

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Injury from falling objects No toe boards fitted	Volunteers & Staff	1) CRITICAL - Engineering: Check the working height is as per the tower instructions. Falls should be prevented where there is a risk that a fall could result in a personal injury. Edge protection, toe boards must be provided on at least 3 sides - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Miss use of the Tower

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Incorrect use of the tower Making the tower unstable	Volunteers & Staff	1) Engineering: The stability of the tower can be easily affected, never use sheeting or use the tower in strong winds, load with heavy equipment, use the tower to hoist loads or support rubbish shutes, support ladders or other access equipment. - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Working from Height

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Slips/Trips/Falls using the tower scaffold without guard rails or toe boards	Volunteers & Staff	1) CRITICAL - Engineering: Check the working height is as per the tower instructions. Falls should be prevented where there is a risk that a fall could result in a personal injury. Edge protection, toe boards must be provided. Guard rails on three sides should be provided. Do not overreach when working. Work only within a safe reaching distance. Consider the use of harnesses. - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	None	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Ends