

**Operation/Activity:**    **Erection of Structures in Steel and Concrete**

**Site / Location:**

**Persons at Risk (tick appropriate boxes)**

<b>Employee</b>	<input checked="" type="checkbox"/>	<b>Pregnant Women</b>	<input type="checkbox"/>
<b>Visitor</b>	<input checked="" type="checkbox"/>	<b>Disabled Persons</b>	<input type="checkbox"/>
<b>General Public</b>	<input type="checkbox"/>	<b>Lone Workers</b>	<input type="checkbox"/>
<b>Young Persons</b>	<input type="checkbox"/>	<b>Others</b>	<input type="checkbox"/>

*GUIDE TO RATINGS:*

RISK SEVERITY	RISK LIKELIHOOD	RISK RATING
1    Negligible	1    Unlikely	1 - 6    Low
2    Minor	2    Possible	7 - 14    Medium
3    Significant	3    Quite Possible	15 - 25    High
4    Major	4    Likely	
5    Catastrophic	5    Very Likely	

**Overall Risk Rating = Low**

**Describe the hazards associated with the activity/operation.**

		Summary of Assessment Overleaf				
		Risk Rating (Before Controls)	Likelihood (L)	Severity (S)	Risk (L x S)	Risk Rating
<b>H1</b>	Operatives falling from height.	Medium	2	3	<b>6</b>	<b>Low</b>
<b>H2</b>	Materials falling from height.	Medium	2	3	<b>6</b>	<b>Low</b>
<b>H3</b>	Structural collapse.	High	1	5	<b>5</b>	<b>Low</b>
<b>H4</b>	Lifting appliances overturning. Arcing, contact or damage to overhead and underground services.	High	1	5	<b>5</b>	<b>Low</b>

<b>Assessed By:</b>	<b>Date:</b>
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<b>Monitored By:</b>	<b>Date:</b>
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Issue: 001  
Date:  
Review:

# Risk Assessment



Hazard	Risk Control Measures	Residual Risk		
		Likelihood	Severity	Risk
<b>General</b>	A site survey will be conducted prior to work commencing on site to determine the following. <ul style="list-style-type: none"><li>• condition of ground.</li><li>• safe routes of access for vehicular traffic.</li><li>• location of any overhead and underground services.</li><li>• proximity of other buildings and members of public.</li><li>• anticipated activities of other contractors.</li><li>• any suspected contamination.</li></ul>			

# Risk Assessment

<p><b>H1</b> Work at height</p>	<p>A Method Statement will be prepared, detailing the logical planned sequence of action which will encompass the following:</p> <ul style="list-style-type: none"> <li>• Details of structure and person responsible for supervision.</li> <li>• Vehicular access to and from site.</li> <li>• Delivery sequence and arrangements.</li> <li>• Storage of component parts, making safe power cables and services.</li> <li>• Details of lifting appliance and limitations imposed on it.</li> <li>• Crane siting (plan).</li> <li>• Ground inspection carried out and measures taken to ensure that the area used for sitting the crane has been made stable.</li> <li>• Appointment of competent person to supervise lifting operations.</li> <li>• Details and justification of slinging methods to be used.</li> <li>• Detailed description of the method to be used for erection of the structure and how stability will be maintained at all times.</li> <li>• How workers will gain access to the elevated work area safely (if practicable, Hydraulic Platforms should be used).</li> <li>• Any other safety factors to be considered which are also paramount to managing the site risk. <ul style="list-style-type: none"> <li>- Testing and documentation on site of lifting appliances, vehicles and tools being used on site.</li> <li>- Testing and documentation on site of specialist equipment such as harnesses.</li> <li>- Testing and documentation on site of P.P.E. supplied to workers.</li> <li>- Measures in place to ensure the public do not gain access to the site and also to ensure that all workers and visitors will wear adequate P.P.E at all times.</li> </ul> </li> </ul>	2	3	6
	<p>Method Statement is to be checked and signed off as acceptable by the Site Manager.</p>			
	<p>Only trained operatives will be permitted to work on the structure. They must also be given sufficient instructions and information to allow them to work safely and cohesively throughout the project.</p>			

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# Risk Assessment



	The erection of the structure will be monitored. No deviation from the Method Statement will be permitted without prior consent of the main contractor and the new proposed method being accepted by the site manager.			
<b>H2</b> Dropping	Hardhats, safety boots and Hi Viz clothing will be worn at all times to protect the operative from works taking place immediately above.	2	3	<b>6</b>
	Barriers, cones or fencing will be placed around the operating area when necessary to protect the public from the risk of any item falling from a height.			
<b>H3</b> Collapse	A competent operative will ensure that the scaffold is complete and obtain a hand over certificate before it is used by any operative.	1	5	<b>5</b>
	If any operative notices any defects they will report them immediately to the supervisor.			
<b>H4</b> Arcing / Electric Shock	Where overhead power lines are likely to cause danger, the Area Electricity Authority will be consulted and, if required, suitable fencing and barriers erected, at least 6 metres from the power lines to prevent access, so as to comply with requirements.  If required to work under or near overhead power lines, a written safe working system should be implemented.	1	5	<b>5</b>
	All overhead cables will be fenced off or shrouded.			

