



**STEEL BUILD MASTERS**

*'Erections that last'*

# RISK ASSESSMENT

JOB REFERENCE SBM DB 22202 B

James Dobsor [REDACTED]

Unit 12 Dencora Park / Shire Hill Industrial Estate / Saffron Walden / CB11 3GB

Prepared by Daniel Bedocs – Technical Design & Construction Manager  
[REDACTED]

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Stunning steel framed buildings – carefully considered, individually designed, meticulously detailed, and erected by experts – with unlimited possibilities...

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SITE ADDRESS	Digicopy, Unit 12 Dencora Park, Shire Hill Industrial Estate, Saffron Walden CB11 3GB
WHAT 3 WORDS	///geologist.chefs.minivans

Activity Description	<b>Working at Height</b>					
Site Assessed	YES	X	NO			
Possible Hazard(s)	Falling objects/tool from MEWPS and/or Scaffolding/Ladders Falling Injuries from MEWPS and/or Scaffolding/Ladders					
Can Hazard be Removed	YES		NO		X	
Who is at Risk?	Employee's Site Visitors Members of Public					
Level	LOW		MEDIUM		HIGH	x
Probability	LOW	x	MEDIUM		HIGH	
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW		MEDIUM	x	HIGH	
Safety Control Measures	Ensure area is taped off during work Step ladders to be under 3m height (Ladders adequately secured/removed at end of each working day) Tower scaffold or scissor lift/boom lift to be used over 3m height (Harnesses to be worn if needed) Inspect all equipment before use Tether tools at height Good housekeeping to ensure all areas are clean Ensure all employees have completed a working at height training certificate Netting where practical Area below work to be securely fenced off with warning signs displayed. Working platforms used to have toe boards and mesh panels to prevent falling objects Restricted access to site while working at height.					
PPE Requirements						
Residual Risk	LOW	X	MEDIUM		HIGH	
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks					



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Activity Description	<b>Asbestos</b>								
Site Assessed	YES	X	NO						
Possible Hazard(s)	Damage/deterioration to asbestos Releasing fibres into the atmosphere								
Can Hazard be Removed	YES		NO		X				
Who is at Risk?	Employee's Site Visitors Members of Public								
Level	LOW	x	MEDIUM		HIGH				
Probability	LOW	x	MEDIUM		HIGH				
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	x	MEDIUM		HIGH				
Safety Control Measures	<p>Copy of asbestos survey, permission to work (PTW) and all related documentation retained on the site premises in the asbestos log.</p> <p>Site management and client aware of its location and content and of all areas which were beyond the scope of the survey</p> <p>No invasive work to be conducted without reference to the survey.</p> <p>Operatives must read and sign the asbestos permission to work log, prior to commencing the work.</p> <p>All such work on fabric of building to be authorised prior to commencement.</p> <p>Where there is any doubt about whether a substance or structure may contain asbestos, then no work can be undertaken. The Asbestos helpline must be contacted for verification. (0845 6030369)</p> <p>Careful use of power tools near any material containing asbestos.</p> <p>Appropriate use of PPE for the task in hand.</p> <p>All Operatives to complete 'Asbestos Awareness' training and achieve certificate.</p>								
PPE Requirements									
	X		X	X	X	X	X	X	X
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	x	MEDIUM			HIGH			
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks								



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Activity Description	Noise					
Site Assessed	YES	X	NO			
Possible Hazard(s)	Stress Hearing Damage Distraction					
Can Hazard be Removed	YES		NO		X	
Who is at Risk?	Employee's Site Visitors Members of Public					
Level	LOW		MEDIUM		HIGH	x
Probability	LOW		MEDIUM		HIGH	x
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW		MEDIUM		HIGH	x
Safety Control Measures	Noise is kept to a minimum or agreed working times have been arranged for any noisy working activities. If noise to affect neighbours cooperation and communication has taken place. All operatives to wear appropriate PPE to reduce impact of noise from tools and plant. Safety warning signs to be clearly visible around site perimeter.					
PPE Requirements						
		X	X	X	X	X
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW		MEDIUM		HIGH	x
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks					



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Activity Description	Fire								
Site Assessed	YES	X	NO						
Possible Hazard(s)	Burns scalds Property damage / loss								
Can Hazard be Removed	YES		NO	X					
Who is at Risk?	Employee's Site Visitors Members of Public								
Level	LOW	X	MEDIUM		HIGH				
Probability	LOW	X	MEDIUM		HIGH				
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	X	MEDIUM		HIGH				
Safety Control Measures	All Operatives and Visitors advised of procedures and any alternative routes during contract work. Smoking not permitted on site. Hot works permits used where applicable. Combustible materials to be stored in agreed areas unless required for immediate use. Appropriate fire extinguishers made available. Flammable liquids / compressed gases appropriately stored.								
PPE Requirements									
		X	X	X	X	X		X	
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM		HIGH				
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks								

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Activity Description	Stored Materials									
Site Assessed	YES	X	NO							
Possible Hazard(s)	Arson Cuts / abrasions, muscular skeletal and other physical injuries Slips, trips and falls									
Can Hazard be Removed	YES		NO		X					
Who is at Risk?	Employee's Site Visitors Members of Public									
Level	LOW	X	MEDIUM		HIGH					
Probability	LOW	X	MEDIUM		HIGH					
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	X	MEDIUM		HIGH					
Safety Control Measures	Materials stored on site to be kept to a minimum. Storage only in agreed designated secure compound. Access restricted to authorized persons only. Appropriate fire fighting equipment is available and maintained for use in emergency. So far as is reasonably practicable, waste to be removed from the site daily or in secure skips / compound. Waste stored on site to be in a suitable container according to type of waste and in a secure area. General housekeeping to be maintained daily to minimize impact of stored materials.									
PPE Requirements										
			X	X	X	X	X		X	
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM			HIGH				
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks									



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Activity Description	Hazardous Substances					
Site Assessed	YES	X	NO			
Possible Hazard(s)	Irritation / harm to eyes, nose and upper respiratory tract Skin sensitisation / disorders					
Can Hazard be Removed	YES		NO	X		
Who is at Risk?	Employee's Site Visitors Members of Public					
Level	LOW		MEDIUM	x	HIGH	
Probability	LOW		MEDIUM	x	HIGH	
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW		MEDIUM	x	HIGH	
Safety Control Measures	SBM to inform customer of any hazardous substances brought onto the site. Hazardous substances not left unattended. Clearly labeled and securely stored. SBM to ensure dust/fume production is minimised. Appropriate PPE provided and worn by anyone on site. Visitors to site made aware of hazards and not allowed on site unless wearing suitable PPE. COSHH safety signs to be clearly displayed around site perimeter.					
PPE Requirements						
		X	X		X	X
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW		MEDIUM	X	HIGH	
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks					




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Activity Description	Dust									
Site Assessed	YES	X	NO							
Possible Hazard(s)	Irritation / harm to eyes, nose and upper respiratory tract / pneumoconiosis / lung scarring and fibrosis / pulmonary disease / cancer / heart disease / bacterial and fungal infections / Skin sensitisation / disorders / Slips on hazardous surfaces									
Can Hazard be Removed	YES		NO	X						
Who is at Risk?	Employee's Site Visitors Members of Public									
Level	LOW		MEDIUM		HIGH	x				
Probability	LOW		MEDIUM		HIGH	x				
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW		MEDIUM		HIGH	x				
Safety Control Measures	<p>Creating a physical enclosure of dust-formulating procedures under negative air pressure.</p> <p>Wetting or full extraction in place with all waste bagged and sealed. (Left on site for disposal by others)</p> <p>Full Ventilation of all areas near to dust creating activities (Cutting/Demolition/Sanding).</p> <p>Seal off all adjacent areas inside and outside to prevent dust travel.</p> <p>Reduce the number of employees and change the frequency and duration of exposure to construction dust.</p> <p>Appropriate PPE provided and worn by anyone on site.</p> <p>NO VISITORS during dust creating activities.</p> <p>COSHH safety signs to be clearly displayed around site perimeter.</p> <p>All dust waste to be constantly swept up or extracted.</p>									
PPE Requirements										
	X	X	X	X	X	X	X	X	X	
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW		MEDIUM				HIGH		X	Constant Assessment Required
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks									



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Activity Description	<b>Electrical Equipment</b>					
Site Assessed	YES			NO		X
Possible Hazard(s)	Electrical shock / Burns / Fire Cuts / abrasions, muscular skeletal and other physical injuries Power leads present tripping hazard					
Can Hazard be Removed	YES			NO		X
Who is at Risk?	Employee's Site Visitors Members of Public					
Level	LOW	X		MEDIUM		HIGH
Probability	LOW	X		MEDIUM		HIGH
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	X		MEDIUM		HIGH
Safety Control Measures	Electrical tools and equipment subject to a Portable appliance testing regime All portable electrical tools on site to be 110v or protected by RCD's. Battery operated equipment to be used wherever possible. All electrical equipment to be removed and/or stored appropriately at the end of each working day. Trailing cables to be clearly marked and/or covered where practical. Ensure good housekeeping is maintained at all times. Safe route to workplace has been agreed to avoid cables.					
PPE Requirements						
		X	X	X	X	X
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X		MEDIUM		HIGH
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks					

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Activity Description	Vehicular Access					
Site Assessed	YES	X	NO			
Possible Hazard(s)	Cuts / abrasions, muscular skeletal and other physical injuries Broken bones Significant head / multiple injuries					
Can Hazard be Removed	YES		NO		X	
Who is at Risk?	Employee's Site Visitors Members of Public					
Level	LOW	X	MEDIUM		HIGH	
Probability	LOW	X	MEDIUM		HIGH	
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	X	MEDIUM		HIGH	
Safety Control Measures	Restricted access, all personnel advised accordingly. SBM vehicles and delivery vehicles only permitted into the site during the working day (hours to be defined with customer). Pedestrian walkways maintained with barriers/tape system in place. If vehicular access is required during working day, permission to be obtained by customer and only with assistance of banks man. All operatives to be fully licensed for use of plant on site.					
PPE Requirements						
		X	X	X	X	X
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM		HIGH	
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks					



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Activity Description	Site Security								
Site Assessed	YES	X	NO						
Possible Hazard(s)	Arson / Malicious damage Electrical shock / Burns Cuts / abrasions, muscular skeletal and other physical injuries Slips, trips and falls								
Can Hazard be Removed	YES		NO	X					
Who is at Risk?	Employee's Site Visitors Members of Public								
Level	LOW	X	MEDIUM		HIGH				
Probability	LOW	X	MEDIUM		HIGH				
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	X	MEDIUM		HIGH				
Safety Control Measures	Badge system or branded PPE in place to clearly identify authorized personnel. Operators and Visitors must sign in and out of the premises. SBM to record all employees on site and advise customer of all external persons on site. Adequate site security, fencing or taped barriers where practical Culture in which strangers are challenged Clear signage for visitors to main entrance / other services Clearly defined route once on site								
PPE Requirements									
			X		X			X	
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM			HIGH			
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks								



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Activity Description	Manual Handling								
Site Assessed	YES	X	NO						
Possible Hazard(s)	All workers could suffer from back injury and long-term pain if regularly lifting/carrying heavy or awkward objects.								
Can Hazard be Removed	YES		NO	X					
Who is at Risk?	Employee's								
Level	LOW	X	MEDIUM		HIGH				
Probability	LOW	X	MEDIUM		HIGH				
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	X	MEDIUM		HIGH				
Safety Control Measures	All materials to be transported and lifted to working height, using telehandler provided by SBM. Materials to be covered with tarpaulin when stored on site to prevent additional hazards from water. Fork Lift to be used for moving materials and unloading delivery trucks. Gloves to be worn to prevent injury from steel edges etc. All operatives to complete a 'Manual Handling' training course and achieve certification.								
PPE Requirements									
			X			X	X		X
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM			HIGH			
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks								

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Activity Description	<b>Cutting/Grinding/Hotworks</b>									
Site Assessed	YES	X	NO							
Possible Hazard(s)	<p>Hazard to eyes from cutting materials on site  Dust from grinder could cause silicosis  High noise level from grinding  Exposure to vibration can lead to development of 'Vibration White Finger (VWF)'  Hot burs from steel may burn exposed skin</p>									
Can Hazard be Removed	YES		NO	X						
Who is at Risk?	Employee's									
Level	LOW	X	MEDIUM		HIGH					
Probability	LOW	x	MEDIUM		HIGH					
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	x	MEDIUM		HIGH					
Safety Control Measures	<p>Approved safety goggles or eye protection to be worn (EN 166 B Standard).  Do not cut in a confined area.  Dust mask or respiratory mask to be worn when cutting.  Ensure no one else is within vicinity when cutting.  Wear ear protection at all times.  Wear vibration reducing safety gloves.  Keep skin covered to reduce risk of burns.</p>									
PPE Requirements										
	X	X	X	X	X	X	X	X	X	
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM			HIGH				
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks									

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Activity Description	Cement Mixing									
Site Assessed	YES	X	NO							
Possible Hazard(s)	Workers could be crushed or cut if the mixer topples or they get caught in moving parts. Damage to electrics could result in a shock.									
Can Hazard be Removed	YES		NO		X					
Who is at Risk?	Employee's Site Visitors									
Level	LOW	X	MEDIUM		HIGH					
Probability	LOW	x	MEDIUM		HIGH					
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	x	MEDIUM		HIGH					
Safety Control Measures	Cement mixer located on firm, level ground. Mixer is fully guarded and guards in place during operation. Mixer is 110 volt and PAT tested every three months. All trailing cables clearly marked and/or covered. Mixer to be checked daily for obvious damage.									
PPE Requirements										
			X	X	X	X	X		X	
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM					HIGH		
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks									



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Activity Description	<b>Overhead Powerlines</b>									
Site Assessed	YES	X	NO							
Possible Hazard(s)	Electrical shock / Burns / Fire Cuts / abrasions, muscular skeletal and other physical injuries									
Can Hazard be Removed	YES		NO		X					
Who is at Risk?	Employee's Site Visitors Members of Public									
Level	LOW	X	MEDIUM		HIGH					
Probability	LOW	X	MEDIUM		HIGH					
Risk (Hazard effect & probability) H+H=H H+M or M+H=H H+L or L+H=M M+M=M M+L or M+M=M L+L=L	LOW	X	MEDIUM		HIGH					
Safety Control Measures	Work may only be carried out in close proximity to live overhead lines when there is no alternative and only when the risks are acceptable and can be properly controlled. All operatives have a copy of the HSE Guidance Working near overhead powerlines. No lifting or driving can be done with out the use of a banksman or rigger near powerlines. Use of barriers where needed. Ensure good housekeeping is maintained at all times. Safe route to workplace has been agreed to avoid powerlines.									
PPE Requirements										
			X	X	X	X	X		X	
Residual Risk If the RR is LOW no further action required If the RR is MEDIUM or HIGH further assessment is required to ensure safety	LOW	X	MEDIUM		HIGH					
Additional Information	Continual toolbox talks to all workers and site visitors making them aware of the risks									



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## DECLARATION

I declare that I have read, or have had read to me, and fully understand this Risk Assessment and shall adhere to the safety control measures and PPE stated. I declare that I will make all site staff and site supervisor aware of any additional risks that appear on site throughout works. Statement to be read, understood, and signed at site induction.

Full Name	Telephone	Company	Signature	Date
Max King	07933 411 450	SBM – Director / First aider		
Daniel Bedōcs	07785 575 552	SBM – Design & Construction Manager / First Aider		
Darren Ball	07722 255 471	SBM – Supervisor / Steel Erector / First Aider		
Carlos Carias		SBM – Steel Erector / CAD Design		
Ben Law		SBM – Steel Erector		
Carlos Carias Jnr		SBM – Steel Erector		
Oliver James		SBM – Trainee Steel Erector		

### CONTRACTORS

Full Name	Company	Signature	Date

### VISITORS (MUST BE PROVIDED PPE BEFORE ENTERING SITE)

Full Name	Company	Signature	Date

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