

Risk Assessment

1.0 Risk Assessment Details

1.1 Risk Assessment Number	0000000007
1.2 Risk Assessment Date	16/07/2024
1.3 Risk Review Date	16/07/2025
1.4 Risk Assessment Author	Phil Collins
1.5 Project/Contract	
1.6 Start Date	
1.7 Expected Job Duration	
1.8 Client Contact	
1.9 Description	Welding - MIG
1.10 Site Address	

2.0 Signatures

	Name	Title	Signature	Date
Document Author	Phil Collins			16/07/2024

Data Protection Statement

The information and data provided herein applies only to the contract for which it was written, it shall not be duplicated, disclosed or disseminated by the recipient in whole or in part for any purpose whatsoever without the prior written permission from HS Direct..

It is the duty of all employees to observe the following Risk Assessment framed to provide a code of good practice and conduct with the object of preventing accidents. At all times employees must work in a safe manner both to prevent personal injury to themselves or to other personnel.

Main Contractor

3.0 Hazards and Control Procedures :

Pre-Control	Hazard: Slips Trips and Falls	Residual Risk
P S RR	Bruising, Cuts, Broken Limbs - Caused by items left on the floor, water, oil and other slippery surface or poor footwear	P S RR
4 3 12	Control Procedures	2 3 6
	Ensure walkways and Emergency Escape routes are kept clear of obstruction at all times.	
	Personnel will wear safety boots with non-slip soles at all times.	
	Staff will ensure that good standards of housekeeping are maintained at all times, cables and other equipment will be managed so as not to cause a trip hazard.	

Pre-Control	Hazard: Manual Handling	Residual Risk
P S RR	Muscular skeletal disorders - Twisting, Over-reaching, muscular problems, poor techniques load too heavy	P S RR
4 3 12	Control Procedures	2 3 6
	All site staff have received instruction and training in house for manual handling.	
	Staff will not lift beyond their capabilities, and will seek help for any load they consider too heavy or hazardous to lift.	
	Team lifting to be used when loads are heavy or awkward.	
	Where possible, mechanical lifting aids will be used to deliver and position heavy items.	

Pre-Control			Hazard: Hand Tools (Use)	Residual Risk		
P	S	RR	Bruising, Cuts, Eye damage - Improper use of hand tools and use of defective hand tools are common causes of minor injuries. Serious injuries may be caused particularly through failure of the tool e.g. mushrooming of chisel heads	P	S	RR
4	3	12	Control Procedures	2	3	6
			All hand tools are kept in tool bags/boxes when not in use.			
			All hand tools should be in good condition and must be inspected prior to use.			
			Operatives must be deemed competent to use relevant hand tools.			

Pre-Control			Hazard: Power Tools	Residual Risk		
P	S	RR	Cutting stabbing Penetrating wounds, Entanglement with tool bits, Lacerations, eye damage. Lack of maintenance and use of defective tools are common causes of injuries. Improper use of equipment poor training may cause injuries to operators and others.	P	S	RR
4	3	12	Control Procedures	2	3	6
			Only trained and experienced operatives are allowed to use Power tools, inexperienced or young workers are kept under strict supervision whilst using power tools.			

Pre-Control			Hazard: Fire on Site	Residual Risk		
P	S	RR	Accidental fires may cause Burns, Asphyxiation, Blast injuries, Respiratory damage may be caused through toxic smoke.	P	S	RR
4	4	16	Control Procedures	1	4	4
			During induction the supervisor should make all staff aware of site specific fire procedures.			

Pre-Control			Hazard: Hot Work	Residual Risk		
P	S	RR	Burns, Explosion, Material damage.	P	S	RR
4	4	16	Control Procedures	1	4	4
			Combustible material, vulnerable equipment, service trenches, ducts and electrical cables must be protected or removed prior to commencing hot works..			
			Floors/surrounding areas must be clear of combustible materials.			
			Operatives are trained and deemed competent to carry out hot works procedures.			
			Suitable fire extinguishers must be available on the job during hot works.			
			The area must be personally examined upon completion of work and 30 minutes after completion.			
			When electrical arc welding ensure secure earthing is effected to ensure quality welds are achieved and electric shock is prevented..			

Pre-Control			Hazard: Ventilation	Residual Risk		
P	S	RR	Fatigue, Drowsiness - Lack of oxygen, Fire and explosion due to ignition of vapours and spilled liquid fuels	P	S	RR
4	2	8	Control Procedures	2	2	4
			Ensure LEV is in operation prior to starting the process.			

Pre-Control			Hazard: Workplace temperature	Residual Risk		
P	S	RR		P	S	RR
4	2	8	Control Procedures	2	2	4
			Safe local heating (infra-red) is provided as necessary if space heating is not available.			

Pre-Control			Hazard: Welding radiation damaging eyes	Residual Risk		
P	S	RR	Blindness, permanent sight damage, flashes	P	S	RR
4	3	12	Control Procedures	1	3	3
			Ensure welding screens are positioned to protect Others from Arc Eye exposure.			

Pre-Control			Hazard: Flying Debris	Residual Risk		
P	S	RR	Injury	P	S	RR
4	3	12	Control Procedures	1	3	3
			Ensure that all shields possible are in place to prevent debris escaping.			

Pre-Control			Hazard: Compressed Gases or Fluids	Residual Risk		
P	S	RR	Puncture wounds, Inhalation, Ingestion, Eye damage.	P	S	RR
4	2	8	Control Procedures	1	2	2
			Check all fittings are secure and leak free.			
			Check hoses are undamaged.			
			Ensure pressure regulator is set as manufacturer instruction.			

Pre-Control			Hazard: Refreshment/ canteen facilities	Residual Risk		
P	S	RR		P	S	RR
4	2	8	Control Procedures	1	2	2
			Refreshment facilities and rest room/ area available.			

Pre-Control			Hazard: Toilet and hand washing facilities	Residual Risk		
P	S	RR	Minor Injury	P	S	RR
4	2	8	Control Procedures	1	2	2
			Barrier creams are available for use as required.			
			Degreasant, hot and cold handwash facilities are available and maintained.			

Probability (P)	Severity (S)	Risk Ranking (RR = P * S)
1 Highly Unlikely	1 Trivial	< 1 - No Action Required
2 Unlikely	2 Minor injury	> 2 - Low Priority
3 Possible	3 Over 3 Day injury	> 8 - Medium Priority
4 Probable	4 Major injury or condition	>10 - High Priority
5 Certain	5 Incapacity or Death	>15 - Urgent Action Required

4.0 Required PPE

Dynamic Risk Assessment

Please note a copy of this Dynamic risk assessment must be returned to Head office complete with signatures.
 Tick items covered by the risk assessment, then list on the table below hazards and controls for the additional items involved on this job.

HAZARD	HAZARD	HAZARD	HAZARD	HAZARD	HAZARD	HAZARD	HAZARD
Access / Egress	Adverse Weather	Asbestos	Biological	Excavations	Exposure to Gas / Gases	Movement of Vehicles	
Chemicals	Confined Space	Dusts / Particles	Electrical	Other Contractors	Limited Headroom	Moving Machinery	
Lone Working	Fire	Fumes	Lighting	Flooding	Noise	Scaffold	
Work at Height	Slips, Trips or Falls	Extreme Temperatures	Demolition Works	Work Near Water	Vibration	Wastes	
Uneven Surfaces	Use of Ladders / Stepladders	Ventilation	Vermin / Weils Disease	Overhead Cables	Hidden Services	Manual Handling	

ADDITIONAL TASK(S) OR HAZARDS NOT COVERED BY THE ORIGINAL RISK ASSESSMENT

Dynamic Risk Assessment (to be completed if a new significant hazard is identified when commencing work on site)								
Additional Hazards identified	Injury risk identified eg cuts, burns etc	Control measure adopted	Likelihood (L)	Severity (S)	Risk ranking (LxS)	Proceed (Y/N)	Supervisor signature	Client signature

- 15 - 25 = High Risk - STOP - advise your supervisor that the risk is high and seek further advice.
- 8 - 12 = Medium Risk - CAUTION proceed but take extra precautions
- 1 - 6 = Low Risk - PROCEED with task maintaining controls