



ARC WELDING

RA NO

DATE

H.T.I Score	9	Medium-Regular monitoring, Supervision
Contract		
Persons involved in RA	Name	Signatures
Foreman		
Second Foreman		
Safety Officer		
Representative		

Documentation Required	Training Required	PPE and Safety Equipment Required
OHS Act and Construction Regulations	General induction – all employees	Overalls
Appointment 6(1)	Toolbox talks	Safety Footwear
Appointments Welding Supervisor	First Aider	Flame proof Gloves
Appointment First Aider	Operating Arc Welder	Flame proof apron
Competency Welder		Spats
Competency First Aider		Welding Helmet
Welding Equipment Registers		Fire Extinguisher

Activity Steps		Hazards and Risks	Preventative Measures	Rating
1	Pre-use inspection	Inspection not done can cause injuries, disability and damage to equipment.	Inspection to be done by a competent person. User of the welding machine to be trained on how to do the pre use inspection. Inspection registers to be signed off by a competent supervisor.	8
		Register not filled in.	Foreman to sign off the inspection register. Site safety officer to do spot checks on the registers.	8
2	Use of welding machine.	Welding machine used by incompetent employee may cause injury, disability and damage to equipment.	Only trained employees are allowed to work with a welding machine. Welding machine not to be left unsupervised. Task to be supervised by a competent supervisor.	8

		Employee injured as a result of an electric shock can cause injury and disability.	Welding machine not to be used while standing in the water. Welding machine to be inspected before use and welding machine with poor connections and cables to be removed from site.	8
		Employee burnt can cause injury, disability and damage to equipment.	Employee to make use of the P.P.E provided, task to be supervised by a competent supervisor, only trained and competent employees to work with welding machine. All injuries to be reported to the site safety officer.	8
		Arc eyes may cause injury and disability.	Employee to wear proper eye protection, all injuries to be reported to the site HSE officer. Task to be supervised by a competent supervisor.	12
		Fire may cause injury, disability, and property damage and ground and air pollution.	All flammable materials to be removed from area of work. Fire extinguisher to be close to area of work. Task to be supervised by a competent supervisor.	11
		Cables fitted wrong way around can cause injury, disability and equipment damage.	Only trained and competent employees to work with the welding machine. Task to be supervised by a competent supervisor.	8
		Welding at heights may cause injury, disability and equipment damage.	Area to be demarcated, fire watchers to be posted, task to be supervised by a competent supervisor	11
3	Storage of welding machine.	Incorrect storage of welding machine may cause equipment damage.	Proper storage space for welding machine to be provided. Storage to be controlled by a trained and competent store man	8
		Theft of welding machine may cause property loss.	Welding machine not to be left unsupervised.	8
4	Maintenance.	Defects not reported may cause injury, disability and equipment damage.	All defects on the welding machine must be reported to the supervisor.	8
		Defects repaired by an incompetent employee may cause injury, disability and equipment damage.	Only trained and competent persons to repair the welding machine.	8