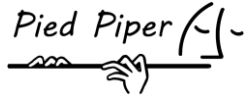
	<p style="text-align: center;">Risk Assessment Sheet Form RA/AC</p>	Ref No	RA /2023
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Task Description	Air Conditioning Installation & Decommissioning	Location	
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RISK ASSESSMENT INFORMATION

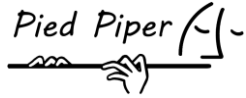


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Engineer		Date			
Persons Affected Individuals or Groups	staff, client staff, other contractors, members of the public				
Hazards/Consequences	Existing Control Procedures	Likelihood (a)	Severity (b)	Residual Risk (a x b)	Priority
Working at height from ladders/MEWPS etc. Risk of death or major injury	Most work at height carried out above 2 metres will be from a secure platform or Mobile Elevating Work Platform (MEWP)	2	2	4	4
	All staff must wear approved safety harnesses attached to secure safety lines whilst working from MEWPS and/or ladders				
	Company ladders inspected on a regular basis and defects reported, damaged ladders removed from site and replaced.				
	All staff are experienced, trained and competent to carry out ladder work				
	Young/inexperienced staff are trained and closely supervised during work at height				
	Ladders are footed and tied during use, other stabilising devices will be used where the competent person deems necessary				
	Ladders will not be used where an onsite risk assessment has determined that the residual risk with all controls in place is still too high. The competent person is responsible for organising other safer means of access to height.				
	HSE guidance form INDG401 working at height guidance to be followed at all times.				

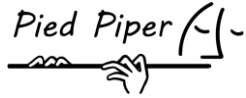


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Hazards/Consequences	Existing Control Procedures	Likelihood (a)	Severity (b)	Residual Risk (a x b)	Priority
Hung up Workers	Emergency procedures and equipment for recovering workers hung from harnesses must be available on site.	Na	Na	Na	Na
	Mobile phones or other forms of communication will be available at all times on site to summon the emergency rescue services				
	All staff have training and instruction of the recovery of hung up workers				
	Dropping equipment from height leading to injury of persons on the ground	The area below ladders where other person may be liable to walk will be marked out with warning tape or barriers, and persons prevented from travelling across the danger area	1	4	4
Slips trips and falls	Installers have been instructed to take extra care when carrying tools at height, tool belts will be worn				
	If necessary a banksman will be stationed under the work area to prevent pedestrians from coming into the work area				
	Good house keeping, working area to be kept clean and free from trip hazards such as wires for equipment	1	2	2	4
	Walkways to be provided and kept clean				
	Good footwear to be issued / used at all times				

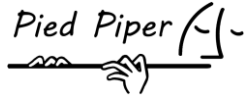


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Hazards/Consequences	Existing Control Procedures	Likelihood (a)	Severity (b)	Residual Risk (a x b)	Priority
Occupational asthma from breathing solder fumes	<p>When inhaled, rosin-based solder flux fume can lead to occupational asthma or make existing asthmatic conditions worse. The fume can also cause irritation to the eyes and upper respiratory tract.</p> <p>As exposure to rosin-based solder flux fumes may be hazardous to health, their use is subject to the Control of Substances Hazardous to Health Regulations (COSHH). A suitable assessment of the risks to health must be carried out. Where reasonably practicable, exposure should be prevented, or failing that, adequately controlled</p> <p>All staff will follow instructions on safe working practices, including the correct use and adjustment of control measures such as local extraction ventilation.</p> <p>When required, all staff will wear protective equipment such as respirators. Suitable gloves, protective clothing and eye protection may also be appropriate for certain work where splashing of fluxes etc can occur</p>	1	2	2	4
Noise	Appropriate ear defenders will be worn by all staff when noise levels dictate	1	2	2	4

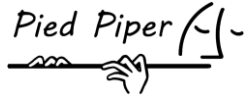


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Hazards/Consequences	Existing Control Procedures	Likelihood (a)	Severity (b)	Residual Risk (a x b)	Priority
Working with power tools and battery powered tools	Inspect tools for safety before use.	2	2	4	4
	Only competent persons to use power tools				
	Appropriate PPE to be worn including gloves, utility belt with fall restraint for tools and eyewear				
Injury to Tenants / householder from installation operations	Inform anyone who may be affected by the works.	2	2	4	4
	Put up notice to inform of men working overhead.				
	Use bunting round working area outside, when on roof.				
Manual Handling	Staff trained in correct lifting methods	2	2	4	4
	Lifting equipment provided where loads are heavy including sack / wheel barrows or chain hoists or rope hoists where appropriate				
	Dual lifting to be used on awkward lifts				
Illness from exposure from Asbestos	Appropriate lifting equipment to be used when lifting aerials to roof, rope or chain hoists				
	A type 1 asbestos survey must be carried out to determine the location and condition of any asbestos-containing materials prior to starting work.	Na	Na	Na	Na
	All staff have received asbestos awareness training and have been instructed to stop work and report any suspicious materials				

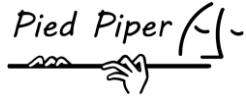


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Hazards/Consequences	Existing Control Procedures	Likelihood (a)	Severity (b)	Residual Risk (a x b)	Priority
Using R32 and R410A refrigerant gasses	Do not deliberately release R32 or R410A to the atmosphere	1	3	3	4
	Ensure persons carrying out work with Refrigerant gases have been suitably trained				
	Never mix R32 and R410A when recharging the system				
	Do not allow hot work to take place in areas near the refrigerant, the refrigerant must not be allowed to come into contact with hot surfaces.				
	Old and waste refrigerant must be disposed of according to hazardous waste disposal procedure.				
	Ensure that refrigerant recovery and recycling equipment is maintained and serviced regularly				
	Ensure that manufacturers instructions are closely followed for recharging and discharging air conditioning systems				
	Ensure Refrigerant chemicals are stored in a secure area away from heat				
	Check with Manufacturer if refrigerant requires removal before refinishing work				



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Site Specific Control Procedures

Hazards/Consequences	Further Control Procedures Required	Implementation Responsibility	Probability (a)	Severity (b)	Residual Risk (a x b)	Priority
Dropping of tools from ladder Injury to others.	Put up signage. Put up barriers around area	Lead Engineer	1	4	4	4
Good housekeeping	Ensure good working practices	Lead Engineer	1	2	2	4
Correct PPE,	Hi-Viz, gloves,safety boots and goggles worn.	Lead Engineer	2	3	6	3
Contact with electricity	All systems to be isolated from Mains	On site Electrician	1	5	5	3
Dealing with refrigerants	Fully qualified engineer	Lead Engineer	2	3	6	3
Working with power tools	Correct and working tools	Lead Engineer	2	3	6	3
Manual Handling	Two man lifting	Lead Engineer	1	2	2	4

Safe System of work / Method statement
See separate method statements

Likelihood	Severity	Priority
1 Highly Unlikely	1 Trivial	1 Urgent action – (Risk no 15 – 25)
2 Unlikely	2 Minor Injury	2 High Priority – (Risk no 10 – 12)
3 Possible	3 Over 3 day Injury	3 Medium Priority – (Risk no 5 – 9)
4 Probable	4 Major Injury	4 Low Priority – Risk no (2 – 4)
5 Certain	5 Incapacity or Death	5 Very Low Priority– No Action required (Risk no 1)