

RISK ASSESSMENT

Safety - Power Tools

Activity	Hazards	Risks	UNCONTROLLED Risk Levels	Description of controls	CONTROLLED Risk Levels																																																												
Use of Electrically Powered Hand Tools, i.e Drills & Saws etc	Electricity Damage to Electric Mains Supply Cables and or Water Pipes. Restricted work area / Ergonomic Sharp surfaces Power Tool i.e Drill, Saw Obstructions on floor Vibration Dust Overheating Tool jamming or binding Moving parts Fire (Electrical) Noise Flying Debris	Death, Electric Shock Death by Electrocution, Electric Shock, Flooding and Damage to Building and or Equipment Death by Electrocution, Electric Shock, Slips, Trips, Falls, Cuts, Abrasions, Bruising & Muscular Strains Cuts & Abrasions Loss of limb, Major Injury, Eye Damage, Cuts & Abrasions Slips, Trips & Falls Hand/Arm Vibration Syndrome (HAVS) Respiratory illness Reduced visibility Skin irritation Burns to hand wrist Wrist/hand injury Entanglement Death and or Burns Temporary or permanent hearing loss Eye, Hand or Facial Injury	LIKELIHOOD <table border="1"> <tr><td>Most Likely</td><td>5</td><td>✓</td></tr> <tr><td>Likely</td><td>4</td><td></td></tr> <tr><td>Possible</td><td>3</td><td></td></tr> <tr><td>Unlikely</td><td>2</td><td></td></tr> <tr><td>Very Unlikely</td><td>1</td><td></td></tr> </table> SEVERITY <table border="1"> <tr><td>Extreme</td><td>5</td><td>✓</td></tr> <tr><td>Major</td><td>4</td><td></td></tr> <tr><td>Moderate</td><td>3</td><td></td></tr> <tr><td>Minor</td><td>2</td><td></td></tr> <tr><td>Negligible</td><td>1</td><td></td></tr> </table> Risk Score deduced by multiplying <i>Likelihood by Consequence</i> Risk Score 25 Less than or equal to 5 LOW Between 6 and 12 MEDIUM Above 12 HIGH UNCONTROLLED Risk Level HIGH	Most Likely	5	✓	Likely	4		Possible	3		Unlikely	2		Very Unlikely	1		Extreme	5	✓	Major	4		Moderate	3		Minor	2		Negligible	1		<ul style="list-style-type: none"> Only competent engineers with the relevant training and experience to use Power Tools. Only tools provided and or approved by PTS to be used. All power tools used shall be either battery operated or 110 volt supply. If low voltage equipment cannot be used, then site approval is required before use and additional precautions must be taken. These will include isolating transformers and residual current devices. All power tools and chargers shall be PAT tested every twelve months and be in date, in accordance with the fourth edition of the IEE 'Code of Practice' for In-service Inspection and Testing of Electrical Equipment. Engineers to visually inspect the tools on a daily basis and prior to use. Any defective equipment identified either through the PAT test or during any inspections shall be withdrawn from service and identified as defective. Use right equipment for the job, do not use in a flammable atmosphere and in accordance with Manufacturers instructions, Blades and Drill bits to be used away from Body at all times. Loose clothing, jewellery, hair to be kept clear of moving parts. Electrical supply to equipment to be isolated prior to any invasive works whatsoever being undertaken as per PTS.RA.SRE - Repairs to Electrical Equipment Select power tools with lowest vibration levels. Minimise the time individuals use the equipment. Work area to have adequate room and is well ventilated Engineer to employ good housekeeping, to keep work area clean and tidy to prevent trip hazards as per PTS.RA.S02 Safety - Floors 	LIKELIHOOD <table border="1"> <tr><td>Most Likely</td><td>5</td><td>✓</td></tr> <tr><td>Likely</td><td>4</td><td></td></tr> <tr><td>Possible</td><td>3</td><td></td></tr> <tr><td>Unlikely</td><td>2</td><td></td></tr> <tr><td>Very Unlikely</td><td>1</td><td>✓</td></tr> </table> SEVERITY <table border="1"> <tr><td>Extreme</td><td>5</td><td>✓</td></tr> <tr><td>Major</td><td>4</td><td></td></tr> <tr><td>Moderate</td><td>3</td><td></td></tr> <tr><td>Minor</td><td>2</td><td></td></tr> <tr><td>Negligible</td><td>1</td><td></td></tr> </table> Risk Score deduced by multiplying <i>Likelihood by Consequence</i> Risk Score 5 Less than or equal to 5 LOW Between 6 and 12 MEDIUM Above 12 HIGH CONTROLLED Risk Level LOW	Most Likely	5	✓	Likely	4		Possible	3		Unlikely	2		Very Unlikely	1	✓	Extreme	5	✓	Major	4		Moderate	3		Minor	2		Negligible	1	
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Flammable/Explosive Atmosphere Do not use heat generating equipment without Hot Work Permit. Do not work near flammables, compressed gases, in explosive atmospheres or confined spaces without specialist advice.																																																																	
Flying Debris, Swarf Use protective eyewear or face shield. Use guards where appropriate. Wear protective gloves where appropriate. Advise nearby persons of hazard. Isolate area with barriers, tape etc. where necessary.																																																																	
Dust Use a dust mask (check for fit). Increase ventilation to work area (e.g. open windows, temporary extract etc.) Wear close-fitting safety goggles. Stop working if visibility is noticeably reduced. Wear suitable protective clothing (especially gloves). Clean work area regularly.																																																																	
PPE Appropriate PPE equipment must be used particularly, Safety Goggles (to BS EN 166B), Ear Plugs and Gloves as per PTS.RA.S40 Safety - PPE																																																																	
AFFECTED INDIVIDUALS <table border="1"> <tr><td>PTS Personnel</td><td>✓</td></tr> <tr><td>Maintenance Personnel</td><td>✓</td></tr> <tr><td>Catering Staff</td><td>✓</td></tr> <tr><td>Customers</td><td></td></tr> <tr><td>Visitors</td><td></td></tr> <tr><td>Delivery Personnel</td><td></td></tr> <tr><td>Others (specify)</td><td></td></tr> </table> PPE REQUIREMENTS as per PTS.RA.S40 Safety Boots (EN 20345), S3 WR SRA Protective Work Wear Clothing Cut Proof Lvl 3 Safety Gloves (EN388) Safety Goggles (EN166)						PTS Personnel	✓	Maintenance Personnel	✓	Catering Staff	✓	Customers		Visitors		Delivery Personnel		Others (specify)																																															
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Additional Measures PTS.RA.S01 Safety - Working on Customer Sites PTS.RA.S10 Safety - Electrical																																																																	
Document Reference Issue Status Issue Date Issued by Review Date Issuers Signature NB: This document and any amendments must be retained for a minimum of 5 years. In the event of an incident involving an individual aged 18 years or less this documentation must be retained until the individual reaches 21 years of age, this requirement overrides the minimum 5 year rule.																																																																	
PTS.RA.S30 v 10.0 1st Sept 2025 Chris Taylor 31st Aug 2027 																																																																	