




Consequence	5	10	15	20	25	 Unacceptable – Stop activity  Adequate – Monitor for continual compliance  Acceptable – No further action / monitor
	4	8	12	16	20	
	3	6	9	12	15	
	2	4	6	8	10	
	1	2	3	4	5	
Likelihood						

Risk Assessment:	001 Electrical works
Assessors Name:	Gabriela Balint
Signature:	<i>Balint</i>
Date:	January 2022
Review:	January 2023

Location:

Likelihood	1 = Very unlikely	2 = Unlikely	3 = Fairly likely	4 = Likely	5 = Very likely
Consequence	1 = Insignificant	2 = Minor	3 = Moderate	4 = Major	5 = Catastrophic

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Defective wiring	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fire / fatality etc.	3	5	15	All electrical work is undertaken by competent electricians or if being trained, supervised by a competent person. All electrical work is planned in advance and documented. Regular work in progress inspections and testing is undertaken and recorded. All materials are purchased through reputable suppliers. Suitable information, instruction and supervision is in place at all times	1	5	5
Damaged / non-compliant plant and equipment	Persons using plant and equipment. Serious injury potential through contact with electricity.	3	4	12	All plant and equipment is inspected prior to use and at regular intervals in line with company procedures. Any defective equipment is removed from service and placed in quarantine for repair or replacement. Calibration of equipment is maintained to ensure safety and compliance	1	4	4

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Use of incorrect or sub-standard materials	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fire / fatality etc.	3	5	15	All materials are purchased through reputable suppliers in line with company procedures. Regular work in progress inspections take place including checking that materials are correct and to standards. Testing is undertaken and recorded in line with regulatory and company requirements.	1	5	5
Unprofessional installation	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fire / fatality etc.	2	5	10	Regular work in progress inspections take place including checking that installations and other works are correct and to standards. Testing is undertaken and recorded in line with regulatory and company requirements. Sub-contractors are assessed prior to engagement to ensure competence requirements are met.	1	5	5
Cable strikes	Operatives and others in the vicinity. Serious injury potential / fire / fatality etc.	3	5	15	Use of cable detection equipment when breaking the surface. All equipment that requires calibration is checked and documented. Company policies and procedures are followed at all times together with regular work in progress inspections and testing which is undertaken and recorded.	1	5	5
Failure to isolate	Operatives and others in the vicinity. Serious injury potential / fire / electric shock / fatality etc.	4	4	16	<p>Prior to undertaking work on electrical circuits / systems / equipment etc. to ensure that it is physically isolated and any stored energy dissipated.</p> <ol style="list-style-type: none"> 1. Identify correct isolation point or device. 2. Check condition of voltage indicating device —i.e. test lamp or two-pole voltage detector. 3. Switch off installation/circuit to be isolated. 4. Verify with voltage indicating device that no voltage is present. 	2	4	8

Hazard	Who can be harmed & how	Risk Rating			Control measures in place	Residual Risk		
		L	C	R		L	C	R
Fire	Operatives and others e.g. property owners / users / other trades etc. Serious injury potential / fatality etc. through asphyxiation, burns etc.	4	5	20	<p>Work only undertaken by competent persons who are aware of the dangers posed by overloading circuits.</p> <p>Fire procedures / controls in place</p> <p>Prior to undertaking work on electrical circuits / systems / equipment etc. to ensure that it is physically isolated and any stored energy dissipated.</p> <p>Operatives to undertake a visual inspection wiring to check for cracked or damaged cabling.</p> <p>Any damage or concern to be reported to line manager.</p> <p>Exposed wires to be terminated to prevent accidental contact.</p>	2	5	10

Additional Information: