



## General Visitor Risk Assessment Camera Obscura & World of Illusions, Edinburgh

Subject of Assessment	Camera Obscura & World of Illusions, Edinburgh, public areas		
Task/Activity	Managing the risk of accident or injury to visitors, employees, and contractors, in public areas.		
Assessor	Ross Boon (Technical Manager) Tony Millar (Manager)	Location of Assessment	Camera Obscura, Edinburgh

Risk Rating Matrix (RR)	Likelihood (L)		
Consequence (C)	Certain or near certain to occur (High)	Reasonably likely to occur (Medium)	Unlikely to occur (Low)
Fatality; major injury or illness causing long term disability (High)	HIGH (H)	HIGH (H)	MEDIUM (M)
Injury or illness causing short term disability (Medium)	HIGH (H)	MEDIUM (M)	LOW (L)
Other injury or illness (Low)	MEDIUM (M)	LOW (L)	LOW (L)

Location	Hazards (Unsafe Condition)	Who is at risk?	Controls in place	L	C	RR	Adequately controlled?
ROOFTOP TERRACE	<ul style="list-style-type: none"> <li>a) Falling</li> <li>b) Fall from climbing</li> <li>c) Slipping if icy</li> <li>d) Tripping on uneven areas</li> <li>e) Tripping on steps</li> <li>f) Those below hit by anything dropped (including spit)</li> <li>g) Low doorway to N.Terrace</li> </ul>	Visitors, Employees, Contractors	<ul style="list-style-type: none"> <li>a) All areas railed with extra mesh where required</li> <li>b) Handrails and warning signs</li> <li>c) Salted first thing each day in cold weather</li> <li>d) Uneven areas highlighted in yellow, warning signs</li> <li>e) Stair edges highlighted, handrail, warning signs</li> <li>f) CCTV</li> <li>g) Hatching marks on upper edge of doorway</li> </ul>	L	M	L	Yes
CAMERA CHAMBER	<ul style="list-style-type: none"> <li>a) Steps into room</li> <li>b) Tripping in dark</li> <li>c) Claustrophobia</li> <li>d) Airborne infections</li> <li>e) Fear of the dark</li> </ul>	Visitors, Employees, Contractors	<ul style="list-style-type: none"> <li>a) Handrail</li> <li>b) Lights off only once all are stationary, handrails, lit steps.</li> <li>c) Door opened if anyone claustrophobic</li> <li>d) Fan system runs between shows to fully exchange air</li> <li>e) Door opened if anyone fearful</li> </ul>	L	M	L	Yes
MAGIC GALLERY	<ul style="list-style-type: none"> <li>a) Electric Shock</li> <li>b) Electrical spark (igniting hand gel)</li> <li>c) Dark room</li> </ul>	Visitors, Employees, Contractors	<ul style="list-style-type: none"> <li>a) Voltage controlled Signage explaining static electricity risk for pacemakers, cochlear implants and wet hands (hand gel) All exhibits PAT compliant</li> <li>b) There will be no hand gel dispenser at the entrance to the Electric Room A sign will advise visitors to take care with exhibits if they have applied gel, and only touch electric exhibits with dry hands</li> <li>c) Exits clearly marked</li> </ul>	M	M	M	Yes

Location	Hazards (Unsafe Condition)	Who is at risk?	Controls in place	L	C	RR	Adequately controlled?
MIRROR MAZE	<ul style="list-style-type: none"> <li>a) Bumped heads</li> <li>b) Trip hazard</li> <li>c) Power failure</li> <li>d) Broken mirror - cuts</li> </ul>	Visitors, Employees, Contractors	<ul style="list-style-type: none"> <li>a) Warning sign at entrance not to run Light sequences kept bright to prevent disorientation</li> <li>b) Steps highlighted with integrated lighting</li> <li>c) Emergency lights overhead, Aircraft-style lighting illuminates exit route Evacuation procedures in place Map of layout available in cupboard</li> <li>d) Mirrors all safety backed - laminated.</li> </ul>	M	M	M	Yes
VORTEX TUNNEL	<ul style="list-style-type: none"> <li>a) Motion sickness / disorientation</li> <li>b) Trip hazard on steps</li> <li>c) Possessions dropped in it</li> <li>d) Moving parts</li> <li>e) Bumping into mirror at end of tunnel</li> </ul>	Visitors, Employees, Contractors	<ul style="list-style-type: none"> <li>a) Warning sign at entrance. Handrails inside tunnel.</li> <li>b) Handrails fitted both sides. Stair edges highlighted, with integrated lighting handrail fitted</li> <li>c) Emergency stop buttons fitted at entrance and exit. Torque-vector emergency stop</li> <li>d) All protected with barriers plus emergency stops as above</li> <li>e) Safety tape on mirror to break illusion of distance</li> </ul>	M	M	M	Yes
AMES ROOM	Trip hazard on steps	Visitors, Employees, Contractors	Steps highlighted and well lit	L	M	L	Yes
EXHIBITS WITH LIGHTS	Burning	Visitors, Employees, Contractors	Only cool LED bulbs in exhibits	L	M	L	Yes

<b>Location</b>	<b>Hazards (Unsafe Condition)</b>	<b>Who is at risk?</b>	<b>Controls in place</b>	<b>L</b>	<b>C</b>	<b>RR</b>	<b>Adequately controlled?</b>
EXHIBIT AREAS	a) Tripping over step stools b) Bumping into exhibits	Visitors, Employees, Contractors	a) Hi-visibility yellow step stools in dark areas b) Edges of exhibits in dark areas highlighted	L	M	L	Yes
FOYER	Low, narrow doorway to cloakroom	Visitors, Employees,	Hazard tape on top edge of door	L	M	L	Yes
STAIRS	a) Slips, trips and falls b) No lift – not suitable for wheelchairs or buggies	Visitors, Employees, Contractors	a) Brightly lit white walls, stairs kept clear of obstructions High contrast handrails fitted on one side b) Clear information on website and pre visit	L	M	L	Yes
TOILETS	a) Scalding b) Disorientation from mirrors / optical floor	Visitors, Employees, Contractors	a) Water temperature thermostatically controlled and tested b) Mirrors marked with stickers	L	M	L	Yes
OPEN WINDOWS	a) Falling out b) Trapped fingers	Visitors, Employees, Contractors	a) All accessible windows have locking safety catches b) Windows opened at the bottom are on safety hooks	L	M	L	Yes

Location	Hazards (Unsafe Condition)	Who is at risk?	Controls in place	L	C	RR	Adequately controlled?
WHOLE BUILDING	a) Fire b) Health and Safety	Visitors, Employees, Contractors	<p>a) Fire risk assessment carried out January 2023 and reviewed annually. Alarm system linked to Fire Brigade out of hours. During opening times staff trained to alert Fire Brigade. Smoke/heat detectors fitted in all public and non-public areas Self-closing doors; 'Class O' protected stairwells Staff fire practices monthly 33% of Electrical installation inspected and tested annually</p> <p>b) Have necessary national and local Licenses to operate Public Entertainment Licence Third Party Public Liability Insurance On-site first aid available by trained/qualified staff</p>	L	H	M	Yes
WHOLE BUILDING	COVID-19	Visitors, Employees, Contractors	<ul style="list-style-type: none"> <li>Increased cleaning regime</li> <li>All surfaces in exhibitions are coated with Zoono antimicrobial coating every 21 days. We also fog the building with Stabilised Aqueous Ozone (SAO) every day.</li> <li>Air quality is monitored in public and private spaces using CO2 monitors. Further improvements to ventilation are ongoing.</li> <li>One way route in place around the attraction</li> </ul>	L	M	L	Yes

Location	Hazards (Unsafe Condition)	Who is at risk?	Controls in place	L	C	RR	Adequately controlled?
WHOLE BUILDING	Dogs and cats admitted a) Tripping / trampling b) Allergies c) Bites / scratches d) Fouling	Visitors, Employees, Pets	a) Pets kept on leads at all times b) Reallocate time of visit for anyone who cannot be close to animals. c) Pets kept on lead at all times. d) Cleaning team and others trained in clearing bodily fluids safely.	L	L	L	Yes

<b>Date of Assessment</b>	05.01.2023	<b>Signature</b>	<i>Tony Millar</i>	<b>Review dates</b>	05.01.2024
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