

National Museums Liverpool, Estate Management Department, 127 Dale Street, Liverpool, L2 2JH.

Scheme :World Museum Liverpool, Terracotta Project Back of House Works				DESIGNER RISK ASSESSMENT SUMMARY										Date:-Sept 2017		Assessed by:-Roy Forshaw		
Ref.	Hazardous Activity	Risk Being Assessed	Elimination by design	Degree of risk									Persons at Risk	Method Statements				
				Severity			Likelihood			Risk				Can the risk be avoided or reduced at reasonable cost by:-	Methods to reduce or avoid the risk – <i>What to look for in contractor method statements / risk assessments including but not restricted to :-</i>			Residual Risk
				Fatal/major = 3 Loss/disability = 2 Minor/illness = 1	Certain/very = 3 Reasonably = 2 Seldom/unlikely = 1	3,6 or 9 = high 2 or 4 = medium 1 or 0 = low												
RA1	Working at height	Falls from height Materials and / or operatives	Yes/ <b>No</b>	1	2	3	1	2	3	L	M	H	Operatives & staff	Yes/ No	Yes/ No	Yes/ No	<b>The scheme will involve working at height by means of ladders, trestles, scaffold etc.</b>  <b>Competent Persons, system of work, defined working areas, PPE, tagged scaffold, reports.</b>  <i>Working at Height Regs 2005 CDM Regs 2015 PUWER 1998 Manual Handling Operations Regs 1992 BS1129 Ladders, Steps, trestles BS1139 Metal scaffolding</i>	Low/Medium/High
RA2	Unauthorised access to site	Injury from plant and /or materials	Yes/ <b>No</b>	1	2	3	1	2	3	L	M	H	Staff & Public	Yes/ No	Yes/ No	Yes/ No	<b>All ladders, scaffold etc must be secured when not in use / end of each working day. Compliance with NML Security Regs.</b>  Signage, signing in procedure, inspection of works, physical barriers, special risks, children	Low/Medium /High

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RA7	Demolition	Uncontrolled Collapse, dust, noise, vibration etc.	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes/No	Yes/No	Yes/No	The sequence and method of work to remove the partitions must reflect the protection of operatives and the adjoining structure. Competent persons, training, identification of services, signage, security, noise, dust, vibration, temporary support, hand demolition, system of work.  CDM Regs 2015 Con (Head Protection) Regs 1989 PUWER 1998 PPE Regs 2002 COSHH 2002 LOLER 1998 GS 29 H&S in Demolition Work BS 6187Code of Practice for Demolition	Low/Medium/High
RA8	Removal / storage of waste materials	Trip, injury, pollution	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes/No	Yes/No	Yes/No	Waste registration certificate, transfer notes, no burning on site, site tidiness.  Manual handling of materials to and from various floors.  The Controlled Waste Regs 2004 The Waste Management Licensing Regs 94 The Special Waste Regs 1996	Low/Medium/High
RA9	Use of abrasive wheels	Injury from machinery, fire	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes/No	Yes/No	Yes/No	Use of guards, LEV, training of operatives, suitability of machinery, maintenance, PPE, signage.  CDM Regs 2015 PUWER 1998 PPE Regs 1992 HS(G) 17 Abrasive Wheels	Low/Medium/High
RA12	Manual Handling	Injury to persons	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes/No	Yes/No	Yes/No	Risk assessment, information on load, safe systems, training, provision of mechanical aids, PPE.  Manual Handling Operations Regs 1992 HS(G) 48 & 60	Low/Medium/High

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RA13	Power Tools	Shock, Entanglement, Eye Injuries	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes/No	Yes/No	Yes/No	110 / 55V tools to be used and maintained in good condition. Training, competent persons, PPE.  CDM Regs 2015 PUWER 1998	Low/Medium/High
RA14	Hot Work	Fire, Smoke, Burns	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes/No	Yes/No	Yes/No	Hot work should not be undertaken unless absolutely essential and requires prior approval. Competent persons. Training. Permit to work. Fire fighting equipment. Operator training. PPE Flammable materials. Emergency procedures.  CDM Regs 2015 The Fire Precautions (Workplace) Regs 97	Low/Medium/High
RA15	Working in Confined Spaces	Suffocation, toxic atmosphere, flammable atmosphere	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes/No	Yes/No	Yes/No	Information, instruction , training, risk assessment, safe systems of work, PPE, RPE, atmospheric monitoring, communication, rescue procedures/ equipment, permit to work  PPE Regs 1992 COSHH Regs 1996 Con (Health, Safety & Welfare) Regs 1999 PUWER 1998 The Confined Spaces Regs 1998	Low/Medium/High
RA16	Dust and / or Fumes	Skin irritation, respiratory problems	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes/No	Yes/No	Yes/No	COSHH Assessments, PPE, RPE, sampling, training, control of fumes, LEV.  PPE Regs 2002 COSHH Regs 2002 CDM Regs 2015	Low/Medium/High

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RA17	Electricity	Electrocution, burns, Explosion, Fire, Suffocation, Secondary Accidents.	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes/No	Yes/No	Yes/No	<p>The scheme will involve the installation of site electrical supplies which will be 110V and the permanent installation which shall be 240V. All work must be carried out by a qualified electrician. No live working will be permitted.</p> <p><i>The Electricity at work regulations 1989</i>  <i>HS(G)85 Electricity at Work</i>  <i>Provision and Use of Work Equipment Regulations 1998</i>  <i>BS7671 IEE Wiring Regulations 17<sup>th</sup> Edition</i></p>	Low/Medium/High
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