

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

Scheme : County Sessions House Balustrade Repair Works				DESIGNER RISK ASSESSMENT SUMMARY									Date:- January 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					Mechanical Means	System of work	Other means	Must include reference to include compliance with <b>Health&amp; Safety at Work Act 1974, The Management of Health &amp; Safety at Work Regs 1999 and all other relevant legislation.</b>	
RA1	Working at height	Falls from height Materials and / or operatives	Yes/No	1	2	3	1	2	3	L	M	H	Operatives & staff	Yes	Yes	Yes	The scheme will involve working at height by means of ladders, trestles, scaffold etc.  Competent Persons, system of work, defined working areas, PPE, tagged scaffold, reports.  Working at Height Regs 2005 CDM Regs 2015 PUWER 1998 Manual Handling Operations Regs 1992 BS1129 Ladders, Steps, trestles BS1139 Metal scaffolding		Low
RA2	Unauthorised access to site	Injury from plant and /or materials	Yes/No	1	2	3	1	2	3	L	M	H	Staff & Public	Yes	Yes	Yes	All ladders, scaffold etc must be secured when not in use / end of each working day. Compliance with NML Security Regs.  All areas of work where publically accessible must be hoarded off to prevent unauthorised access. Hoarding subject to Local Authority approval.  Signage, signing in procedure, inspection of works, physical barriers, special risks, children		Low

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RA3	Buried Services	Injury from accidental contact	Yes/No	1	2	3	1	2	3	L	M	H	Operatives & Maint'	Yes	Yes	Yes	Identification / location of services, use of hand held tracer or cable / pipe locators, provision of service details, trial holes, permit to work, training, competent person, lock-off procedures.  <i>The Electricity at Work Regs 1989</i> <i>Gas Safety Regs (Various)</i> <i>PUWER 1998</i> <i>HS(G) 85 Electricity at work</i> <i>HS(G)47 Avoiding danger from underground services</i>	Low
RA4	Overhead Services	Contact with services	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes	Yes	Yes	Barriers, signs, training, supervision, liaison with supplier.  <i>The Electricity (Overhead Lines) Regs 1970</i> <i>The Electricity at Work Regs 1989</i> <i>PUWER 1998</i> <i>HSE GS6 Overhead Electrical Lines</i> <i>HS(G) 85 Electricity at work</i>	Low
RA5	Exposure to noise	Deafness	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes	Yes	Yes	Equipment with silencers, reduced exposure, noise assessment, PPE, signage  <i>The Noise at Work Regs 2008</i> <i>IND(G) 127 Noise in Construction</i> <i>BS5228 Noise &amp; Vibration Control</i>	Low
RA8	Removal / storage of waste materials	Trip, injury, pollution	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes	Yes	Yes	Waste registration certificate, transfer notes, no burning on site, site tidiness.  <i>The Controlled Waste Regs 2004</i> <i>The Waste Management Licensing Regs 94</i> <i>The Special Waste Regs 1996</i>	Low
RA9	Use of abrasive wheels	Injury from machinery, fire	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes	Yes	Yes	Use of guards, LEV, training of operatives, suitability of machinery, maintenance, PPE, signage.  <i>CDM Regs 2015</i> <i>PUWER 1998</i> <i>PPE Regs 1992</i> <i>HS(G) 17 Abrasive Wheels</i>	Low

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RA10	Working on roofs Not Applicable	Falls from height Materials and / or operatives	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes	Yes	Yes	Competent Persons, system of work, access & egress, barriers, crawl boards, catch barriers, safety harnesses; lanyards defined working areas, PPE, tagged scaffold, reports.  <i>CDM Regs 2015</i> <i>PUWER 1998</i> <i>PPE Regs 2002</i> <i>BS1129 Ladders, Steps, trestles</i> <i>BS1139 Metal scaffolding</i>	Low
RA12	Manual Handling	Injury to persons	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes	Yes	Yes	Risk assessment, information on load, safe systems, training, provision of mechanical aids, PPE.  <i>Manual Handling Operations Regs 1992</i> <i>HS(G) 48 &amp; 60</i>	Low
RA13	Power Tools	Shock, Entanglement, Eye Injuries	Yes/No	1	2	3	1	2	3	L	M	H	Operatives	Yes	Yes	Yes	110 / 55V tools to be used and maintained in good condition. Training, competent persons, PPE.  <i>CDM Regs 2015</i> <i>PUWER 1998</i>	Low
RA14	Hot Work	Fire, Smoke, Burns	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes	Yes	Yes	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.  <i>CDM Regs 2015</i> <i>The Fire Precautions (Workplace) Regs 97</i>	Low
RA16	Dust and / or Fumes	Skin irritation, respiratory problems	Yes/No	1	2	3	1	2	3	L	M	H	Operatives, Staff & Public	Yes	Yes	Yes	COSHH Assessments, PPE, RPE, sampling, training, control of fumes, LEV.  <i>PPE Regs 2002</i> <i>COSHH Regs 2002</i> <i>CDM Regs 2015</i>	Low

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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	Yes	Yes	The scheme will involve the use of site electrical supplies which must be 110V  <i>The Electricity at Work Regulations 1989</i> <i>HS(G)85 Electricity at Work Provision and Use of Work Equipment Regulations 1998</i> <i>BS7671 IEE Wiring Regulations 17<sup>th</sup> Edition</i>	Low
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