


<b>Royal Albert Hall - Generic Hall Hazard Assessment</b>	<b>Date RAMS undertaken: 24/02/15</b>		<b>Review Date: 24/02/16 or as required</b>
<b>Royal Albert Hall</b>	<b>RAMS Undertaken by:</b>		 <b>Royal Albert Hall</b>
Contact: Guy Pengelly 020 7589 3203	Name: G Pengelly		
Kensington Gore LONDON SW7 2AP	Signed.....Original Signed.....  Position: Health & Safety Manager		

**Calculation of Risk**

<b><u>Probability (P)</u></b>	<b><u>Severity (S)</u></b>	<b><u>Calculations of Risk</u></b>	<b><u>Action Level</u></b>																																													
5 Almost Inevitable 4 Very Likely 3 Likely 2 Very Unlikely 1 Negligible	5 Multi Death/Injury 4 Single Death 3 RIDDOR Major Injury 2 RIDDOR 1 Minor/First Aid	<table border="1"> <tr> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Probability</b></td> <td><b>5</b></td> <td>5L</td> <td>10M</td> <td>15H</td> <td>20H</td> <td>25H</td> </tr> <tr> <td><b>4</b></td> <td>4L</td> <td>8M</td> <td>12M</td> <td>16H</td> <td>20H</td> </tr> <tr> <td><b>3</b></td> <td>3L</td> <td>6L</td> <td>9M</td> <td>12M</td> <td>15H</td> </tr> <tr> <td><b>2</b></td> <td>2L</td> <td>4L</td> <td>6L</td> <td>8M</td> <td>10M</td> </tr> <tr> <td><b>1</b></td> <td>1L</td> <td>2L</td> <td>3L</td> <td>4L</td> <td>5L</td> </tr> <tr> <td></td> <td></td> <td><b>1</b></td> <td><b>2</b></td> <td><b>3</b></td> <td><b>4</b></td> <td><b>5</b></td> </tr> <tr> <td></td> <td></td> <td colspan="5" style="text-align: center;"><b>Severity</b></td> </tr> </table>	<b>Probability</b>	<b>5</b>	5L	10M	15H	20H	25H	<b>4</b>	4L	8M	12M	16H	20H	<b>3</b>	3L	6L	9M	12M	15H	<b>2</b>	2L	4L	6L	8M	10M	<b>1</b>	1L	2L	3L	4L	5L			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>			<b>Severity</b>					Low – no action required  Medium – justify/review for each event day  High - immediate action/further controls needed
<b>Probability</b>	<b>5</b>	5L		10M	15H	20H	25H																																									
	<b>4</b>	4L		8M	12M	16H	20H																																									
	<b>3</b>	3L		6L	9M	12M	15H																																									
	<b>2</b>	2L		4L	6L	8M	10M																																									
	<b>1</b>	1L	2L	3L	4L	5L																																										
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>																																										
		<b>Severity</b>																																														

**Important Note:**

1. This document should be read in conjunction with the Promoter’s Event Management Plan, risk assessments and the safety documentation of the contractors employed by the Event Promoter, as well as In-House and Hall appointed Contractors. This assessment also relates to the Halls event assessments.
2. We, The Royal Albert Hall, reserve the right to alter, update or amend the details contained herein at any time, in light of new information or new procedures being required. Whilst we, as a responsible employer, will adhere to all necessary control measures so far as is reasonably practicable, this Risk Assessment is a live document and the final physical safety arrangements on site may therefore differ slightly from the written ones shown here.

Item (a)	Task/Activity (b)	Hazard/Consequence (c)	Who is at risk? (d)	Risk Level (PxS) (e)	Control Measures in place (f)	Residual Risk Level (g)	Additional Control Measures Required (h)
01	Access and egress of pedestrians to the Hall	Death or injury caused by vehicle movement. Slip, trip or fall.	All accessing the Hall	3x5=15	<p>Pathway and roadways under the control of Westminster City Council (WCC).</p> <p>Limited barrier post system restricting vehicular access to car parks.</p> <p>Area lighting systems.</p> <p>24 hour staffed Stage Door with limited external CCTV.</p> <p>Hazard reporting procedures for faults to Helpdesk or Duty Building Services Technician (BST).</p> <p>Clearly defined roadway.</p> <p>Non-designated parking bays within car parking areas, to allow for varying sized disabled Patron vehicles.</p> <p>Queen Elizabeth (QE) steps managed and cleaned by managing agent Stiles, Harold, Williams LLP.</p> <p>QE steps and local street lighting powered and lit by WCC Street Lighting Department.</p> <p>Monument lighting controlled by Building Services (BS) Dept.</p> <p>Pathways cleaned on regular basis, including ice and snow clearance by BS Dept.</p>	2x3=6	

02	Access equipment (Working at height)	Death. Head injuries. Falls from height. Crushing injuries. Building damage. Injury caused by use of equipment. Slips, trips and falls.	All operators, banks men and anyone in vicinity of access equipment.	5x5=25	Individual Dept. working at height RAMS. RAH MEWP SWP. RAH Working at Height SWP. Monitoring of work by Managers and Supervisors. Promoter and their contractors Event RAMS. Use of hazard cordons/hard hat areas when necessary. Event Production and contractor Rescue Plans. Pre-use and regular Departmental inspections of work equipment. Use of appropriate PPE.	2x5=10	
03	Access ramps	Injury caused by uneven or slippery surface. Fall from height over or through the hand rails (a fall of 1.9m at Door 8 and 0.5m at Door 1 Access Ramps)	All using ramps	4x3=12	Cleaning/BS Dept. Inspections and cleaning programmes. Hazard reporting procedures. Clearing of ice and snow in poor weather. Handrails available. Use of alternative access means if required. Glass in-fills fitted to the Door 1 and 8 Access Ramps using toughened glass fitted by key clamp. Horizontal rails are not fitted due to the concern of climbing in line with Technical Standards for Places of Entertainment. Internal area stewarding during public access periods.	2x3=6	

04	Aids/HIV and other blood or body fluid transmittable diseases or infections.	Death or ill-health from infection with HIV or other body fluid infections.	All in contact with bodily fluids. First Aid and Medical Staff.	5x4=20	Medical Contractors RAMS and SWPs. First Aid SWP, including sharps procedures. Cleaning Contractor RAMS for cleaning blood spillages. Occupational Health assistance from Imperial College. Protective gloves to be worn by First Aiders when treating appropriate injuries. Protective gloves provided in First Aid kits/bags and from the Medical Room.	1x4=4	
05	Air conditioning – air quality	Illness caused by the use of air conditioning (See also Legionella). Overheating in warm weather, including dehydration and fainting. Injuries caused by fainting. (See also Overheating)	All office based staff. Visitors to Hall in air conditioned areas.	4x5=20	BS Dept. maintenance and inspection and record keeping programme. Help Desk response and repair procedures. Adequate ventilation is provided to public areas at an appropriate exchange rate for the area. System and filter maintenance by external contractors. Air quality monitoring by specialist consultants, if required.	1x5=5	

06	Alcohol – Misuse or excessive consumption.	Death or injury caused by the intake of alcohol affecting a worker, in their reactions or ability to carryout tasks.	All accessing the Hall	5x5=25	<p>RAH Drugs and Alcohol Policy.  Event Promoters RAMS for backstage areas including Backstage SIA security staffing, where required.  RAH Event Safety Standards.  LA Licensing Conditions.  SIA Security Staff at Stage Door to assist in ejections.  In-House Catering contractor procedures. RAH Head of Catering audits and inspections.  Challenge 21 system used within bars and restaurants</p>	2x5=10	
07	Arena Lifts	<p>Death or injury from falls from height, crush or entrapment.  Slip, trips and falls</p>	All accessing or in surrounding area of arena lift	4x5=20	<p>Stage and Arena Lift Operating Guidelines.  Regular maintenance by contracted company.  RAH Show Dept Staff training and assessment.  Key locked lift control system.  Show Technical RA.  Use of Barrier system.  Event RA if arena lift is used during an event.</p>	2x5=10	

08	Arson	Death or injury caused by fire, explosion or smoke inhalation. Crush and panic injuries.	All accessing the Hall	5x5=25	<p>Hazard reporting procedures.</p> <p>24 hour staffed Stage Door with CCTV monitoring, access control systems and passes issued from Stage Door Security.</p> <p>Pass system for visitors and contractors.</p> <p>Hall Fire Risk Assessment.</p> <p>Hall Emergency Procedures.</p> <p>Permit to Work system for contractors, including Hot Work Permits.</p> <p>SIA qualified Security Staff conduct out of hours internal and external patrols.</p> <p>Rubbish removed from the Hall on a regular basis.</p> <p>Limited rubbish bins outside Hall.</p> <p>Metal bins in public areas emptied on a regular basis.</p> <p>Event security and Front of House staffing during events.</p> <p>Contactor access control for events.</p> <p>Waste bins placed around the perimeter of the building for smoking waste, during public performance periods.</p>	2x5=10	
----	-------	--	------------------------	--------	---	--------	--

09	Asbestos (See also Asbestos Register for detailed asbestos assessments)	Death by asbestosis and other related illnesses caused by contact with asbestos.	All on the Hall	5x5=25	<p>RAH Asbestos Code of Practice and Asbestos Register.</p> <p>Register maintained by H&amp;S Manager, updated on a regular basis from information provided by Asbestos Consultants.</p> <p>BS Dept. maintenance and inspection programme.</p> <p>Help Desk response and repair procedures.</p> <p>Warning signage.</p> <p>Contractor Permit to Work system.</p> <p>Staff information in the form of Tool Box talks and online training package.</p> <p>BS Dept. RAMS.</p> <p>Asbestos Consultant available for testing or inspection and air analysis, at short notice.</p> <p>Use of certified and appropriate asbestos contractors for removal or repair works.</p> <p>Pre-demolition surveys carried out for Projects and Building Services Departments.</p>	2x4=8	
----	---	--	-----------------	--------	--	-------	--

10	Audience Seating – incl Boxes, access and egress	Death or injury from falls.	All accessing the Hall	4x4=16	<p>Box front design complies with ABTT/DSA Technical Standards for Places of Entertainment. General good housekeeping is carried out.</p> <p>All areas are well lit, including stairs/steps.</p> <p>White nosings to steps and level changes within boxes.</p> <p>Any equipment leads or cables are moved from general circulation area and protected.</p> <p>All damage to flooring reported to BS Help Desk.</p> <p>Steps provided to access rows of seat with white nosings to each step or level change.</p> <p>Second Tier high chair (Seat No. 5) provided with extra wooden step to allow easy access and egress from seat. This step has grip strips to reduce slipping and improve grip when sitting.</p>	2x4=8	<p>General Box seating at 440mm seat height.</p> <p>2T seats 3 &amp; 4 at 570 seat height.</p> <p>2T fixed seats and moveable 5<sup>th</sup> seat at 760mm seat height, with 280mm step height.</p> <p>Grand and Second Tier Bookboard at 660mm high and 280mm wide</p>
11	Barriers and posts	Injury from contact with barrier or post. Damage to vehicle. Trip or fall over post.	All accessing the Hall	3x3=9	<p>Hazard reporting procedures.</p> <p>RAH BS RAMS</p> <p>Event specific RAMS by Event Promoter or Hall.</p> <p>Monitoring by Front of House Duty Management and staff.</p>	1x3=3	



12	Battery charging	Injury caused by battery failure, chemical spillage, explosion or fire.	All in vicinity of battery charging facilities.	3x4=12	Specific agreed areas for charging of batteries away from waste areas and fire exit routes. Staff information and training. Individual Dept. RAMS Area reviews, inspections and audits. Appropriate warning signage. See also RAH Fire Risk Assessment.	2x3=6	
13	Cable or pipe work hazards	Slips, trips or falls Electric shock Release of pressurised gas or water	All on the Hall	5x3=15	BS, IT and Show Depts. monitoring and inspection. Hazard reporting procedures. Help Desk response and repair procedures. Individual Dept. RAMS Contractor Permit to Work system. Project monitoring and planning including meetings. Promoters Event RAMS. RAH Event Safety Standards.	2x3=6	
14	Car Park access and use	Death, serious or minor injuries by	All accessing or egressing the car parks, in a vehicle or on foot.	5x5=25	Stewarding Dept RAMS Heavy bollards to prevent inappropriate vehicle access to area. Padlock, key and chain access method. Key controlled by Stage Door Security. Event specific RAMS and barrier plan for any external event set up including VIP arrivals.	3x4=12	

15	Carpets and floor surfaces	Injury caused by falls, slips and trips.	All accessing the Hall	4x4=16	Hazard reporting procedures. BS Dept. maintenance and inspection programme. Daily cleaning of Hall floors by Cleaning staff. Pre-event walk around by Duty Manager. Area checks by Stewards pre-event. Event Promoters RAMS	3x3=9	
16	Catering facilities – Restaurants, cafés, bars, outlets and other facilities	Death or injury from fire, explosion, smoke or carbon monoxide inhalation. Injury or ill-health from slips, trips or falls, food poisoning, cuts, burns or scalds. Excess alcohol consumption including sales to under-age patrons. Any other injury or ill-health caused by the operation of a permanent or temporary catering outlet for staff or public.	All accessing the Hall.	5x3=15	Use of Catering contractor. Caterers RAMs including HACCPs, equipment testing and inspection. Catering staff training. Monitoring of catering systems and practices by RAH Catering Manager. Challenge 21 in all public bar areas. Radio communication between Front of House staff and Caterers for any issues.	3x3=9	

17	Chemical/fuel Spillage COSHH Storage and use	Death or injury caused by Chemical/fuel related spill. Emission of noxious gases. Ill-health due to chemical exposure. Death or injury from explosion, gas production or fire. Injury caused by the mix of chemicals, spillage or misuse. Breathing difficulties. Skin conditions such as Dermatitis or eczema	All on the Hall and neighbouring area.	5x5=25	Hall emergency procedures. COSHH assessments and register held by Stage Door. Staff information and online COSHH training. Individual Dept. RAMS. Catering and Cleaning Contractor COSHH safety documentation. Cleaning and Waste handling/removal contractor procedures and RAMS. Contractor Permit to Work system. RAH Fire Risk Assessment. Compressed Gases SWP and Register. Hazardous Storage Area Audits. Event Promoters RAMS. Appropriate signage. Availability of PPE.	2x5=10	
----	---	--	--	--------	--	--------	--

18	Children and Youths (01-16 years of age)	Death or injury caused to or by the inexperience or inquisitiveness of a child. Inappropriate behaviour to a child by an adult.	Child/children and all in the vicinity.	5x5=25	Event Promoters RAMS. Restricted access to Hall. 24 hour Stage Door with CCTV monitoring. Lost Child Procedure. Booking in of a child and parent/chaperone at Stage Door, when the parent is working on an event (Non- RAH staff). Front of House staffing during events. Liaison with local police and event security if required. Appropriate event profiling. RAH Child Protection Policy.	2x5=10	
19	Cold weather	Injury or ill-health caused cold weather conditions – Ice, snow and low temperatures	All working or visiting the Hall in cold conditions.	3x2=6	Individual Dept. RAMS. Contactors RAMS. Hall in house heating systems. Treatment and clearing of pathways, car park areas and ramps by Cleaning and BST Staff. Event Promoter's RAMS Weather warnings issued via Hall IT system.	1x2=2	

20	Compressed gas used within the Hall	<p>Death or injury from explosion, fire, uncontrolled release of gas, shrapnel or debris.</p> <p>Death or injury from falling cylinder.</p> <p>Injury from manual handling of cylinder or use of trolley.</p> <p>Blocking or restricting of fire exit routes by inappropriate positioning of cylinders.</p> <p>Damage to Hall structure or fabric.</p>	All working or visiting the Hall	5x5=25	<p>RAH Compressed Gas Cylinder SWP.</p> <p>Restricted use of LPG and other similar highly flammable gases.</p> <p>Stage Door Security registration of cylinders accessing the Hall.</p> <p>Staff online COSHH training.</p> <p>Gas cylinder cage located in Loading Bay with suitable ventilation and covered by CCTV.</p> <p>Storage signage.</p> <p>RAH Event Safety Standards highlighting WCC Licence requirements with regards to the notification of cylinders.</p>	2x5=10	
----	-------------------------------------	--	----------------------------------	--------	---	--------	--

21	Concerts/seated events	Death or injury caused by hosting or taking part in or viewing and event or concert.	All accessing the Hall	5x5=25	Hall Event Risk Assessment. Promoters, Production and Contractor's RAMS. Individual Dept. RAMS. Hazard reporting procedures. 24 hour Stage Door with CCTV monitoring. Staff information and training. Hall Emergency Procedures. RAH Fire Risk Assessment Compliance with LA Licensing requirements. Emergency Services and Local Authority liaison visits and meetings. Event stewarding and Security plans and briefings. Sign-off of event rigging and structures. LA/LFB During Performance Inspections. Pre event meetings and discussions with Promoters.	2x5=10	
22	Cross contractor liaison	Death or injury caused by failure to notify others in the area of works.	All on the Hall	5x5=25	Permit to work/access system. Event Promoter's RAMS. Hazard reporting procedures. 24 hour Stage Door monitoring radio traffic and CCTV. Access control systems into restricted areas. BS Dept. maintenance and inspection programme.	2x5=10	

23	Cuts and abrasions	Cuts, abrasions and infections.	All accessing the Hall	5x3=15	Hazard reporting procedures. Individual Dept. RAMS. Medical facilities/First Aiders on the Hall. Event Promoter/Production RAMS.	3x3=9	
24	Disabled mobility equipment	Injury caused by falls and trips. Knocks against. Injuries to disabled. Obstructions for Medical and Fire Dept. including emergency response.	All accessing the Hall	4x3=12	Ramps and lifts available. LA Regulations. RAH Front of House and BST monitoring. Hall Emergency Procedures. RAH Access Policy Promoters Event RAMS Steward assistance available during events. Mobility Access Platforms for certain seated events.	2x3=6	
25	Display Screen Equipment	Illness or injury caused by use of DSE. Repetitive Strain Injuries. WRULD Back and neck pains. Eye sight concerns.	All DSE Users	4x3=12	Staff information and training. DSE Assessments by competent person. Procurement of recommended equipment. Portable appliance testing. Occupational health and ergonomic advice available from the H&S Manager or Imperial College. Eye sight tests for DSE Users.	2x3=6	

26	Drains/drainage	Injury caused by falls, slips and trips. Death or illness from Legionella/water borne bacteria. Flood damage to property and neighbouring properties.	All on the Hall Neighbouring property and residents.	3x5=15	BS Dept. maintenance and inspection programme. Hazard reporting procedures. Help Desk response and repair procedures. Cleaning Contractor RAMS See also Flood.	1x5=5	
27	Drapes, curtains and blinds	Death or injury caused by fire caused by the ignition of a drape or curtain. Injury caused by an access or egress route hidden or restricted by a drape or curtain. Injury caused by vision restricted by a drape, curtain or blind.	All within the Hall	4x5=20	All fabrics required to be BS 476 class 0 or at least class 1 (if temporary fitting for events). Any drape utilised across a fire exit route	2x3=6	
28	Dust collection	Death or injury caused by explosion or fire. Death or injury caused by particle inhalation including asthma attack or breathing difficulties	All working in dust area.	3x5=15	Hot works permit procedures. Permit to Work procedures. Regular cleaning and inspection procedures. PPE available as per method statement. BS Dept. maintenance and inspection programme. Cleaning RAMS	1x5=5	



29	Ejection of persons from the premises	Death or injury from crowd behaviour, protest action, including assaults	Patrons, Hall Staff, Contractors, Production and Performers. Emergency Services, neighbours or passers-by. Protestors.	4x5=20	SIA qualified Stage Door and Event Security Staff. Duty Management procedures for ejections. Radio communications between Duty Manager, Stewards and Security. Local Police liaison if required. Pre-event discussions on likely disturbances or protests, with Promoter and Met Police.	1x4=4	
30	Electrical Switch Rooms – Access and working	Death or injury caused by electrocution, fire and explosion.	All on the Hall	5x5=25	BS Dept. maintenance and inspection programme. BS Dept RAMS. Hall Emergency Procedures. Access control procedures. Signage. Permit to Work system. RAH Fire Risk Assessment. Switch Room doors to be locked when not being accessed.	2x5=10	
31	Electrics incl. working on Distribution Boards, inspection and testing.  Event electrical systems.	Death by electrocution or fire. Serious injury or burns. Damage to building fabric by fire.	All coming into contact or in vicinity of electric installations or equipment	5x5=25	BS and Show Dept. maintenance and inspection programme. Permit to Work system including system isolations. RAH Fire Risk Assessment Promoters Event RAMS. All staff detailed to work on electrical systems to be competent to work on distribution boards. Use of insulated tool. Portable appliance testing of all plug and play equipment.	2x5=10	

32	Emergency situations – internal and external	Crush injuries caused by panic. Slips, trips or falls caused by route blockage.	All on the Hall	5x5=25	RAH Emergency Procedures. RAH Fire Risk Assessment. Signage. Emergency lighting systems. Event Promoters RAMS. Monitoring and inspection of emergency systems by BS Dept. and contracted companies Staff information and training. Radio Communications. Liaison and site visits/inspections with Emergency Services. Liaison with other local establishments.	2x5=10	
33	Event breakdown/Load out	Death or injury caused by event pull out including working overnight.	All accessing the Hall	5x5=25	Event Promoters RAMS. RAH Generic Event RA. Hazard reporting procedures. 24 hour Stage Door with CCTV monitoring. Staff information and training. Hall Emergency Procedures. Planned changes in crew. Event Contractor RAMS.	2x5=10	
34	Event build up	Death or injury caused by the build up of an event.	All working within the Hall	5x5=25	Event Promoters RAMS RAH Event Build/Breakdown RAMS. Hazard reporting procedures. 24 hour Stage Door with CCTV monitoring. Staff information and training. Hall Emergency procedures. Pre-event briefings and discussions.	2x5=10	

35	Event Promotion – incl co-promotes and off site events.	Death or injury caused by the Load in or out of an event and during the event. Death or injury offsite whilst working.	All RAH staff, contractors and Patrons	5x5=25	Event contract. RAH Event Safety Standards RAH Event RAMS. Departmental RA for offsite working. Use, where possible of approved contractors.	2x5=10	
36	Explosion – Chemical, Electrical, Gas or Terrorist.	Death or injury caused by explosion. See also Fire and structural collapse.	All accessing the Hall	5x5=25	RAH Emergency Procedures. Liaison with Emergency Services and neighbouring properties. BS Dept. maintenance and inspection programme. RAH Fire RAMS Event Promoters RAMS Business Recovery Procedures. CCTV, 24 hour Stage Door Security with security and fire monitoring systems. COSHH SWP. Staff online COSHH training  See also: Compressed gas used within the Hall and Chemical/fuel Spillage COSHH Storage and use	2x5=10	

37	External vehicle access.	Death or injury caused by vehicles accessing the Hall. Vehicle accident and damage to building structure/fabric. Damage to external signage and structures.	All vehicle passengers and drivers. All pedestrians and staff in the area.	4x5=20	RAH Security SWP/RAMS Loading Bay RA Loading Bay vehicle access control system. Speed limit and Road Traffic Act compliant signage. Additional approved signage. BS Dept. maintenance and inspection programme. Tool Box talks as required. CCTV. Checking of weight loadings for event vehicles within the Hall	2x5=10	
38	Extinguisher store/OB Room	Death or injury from explosion, gas/vapour production or Fire. Injury caused by chemicals, spillages or extinguisher misuse. Slip, trip or fall. Electrocution, electric shock or electrical burns.	Security and Show Dept. staff, Fire Officers and all in vicinity	3x5=15	Security and Show Dept. RAMS. Audits and inspections. Fire detection system as per the RAH Fire Risk Assessment. Annual inspection of OB electrical panels. PAT of all electrical cables. TSM only to connect to OB power. Restricted access, by use of padlock. Signage for power and electric shock displayed. Rubber insulation matting on floor by electrical panels. OB power disclaimer signed by OB company.	1x4=4	

39	Fire	Death or serious to mild injuries, smoke inhalation, burns or other related fire injury. Crush injuries caused by panic. Structural damage including collapse.	All in the Hall	5x5=25	<p>RAH Fire Risk Assessment.  Catering Contractor Fire RAMS.  RAH Emergency Procedures.  24 hour staffing of Stage Door.  Hall and event Fire-fighting equipment positioned near sources of ignition and/or fuel.  Pre-event checks by Duty Manager, Duty Fire Officer and Stewards.  Constant patrols by Event Fire Officer.  Fire detection and alarm systems.  Regular inspection and maintenance procedures.  Smoking policy.  Staff information and training.  Promoters Event Fire RAMS</p>	2x5=10	
40	Fire exits – restrictions/ propping open	Death or serious to mild injuries, smoke inhalation, burns or other related fire injury. Crush injuries caused by panic.	All in the Hall	5x5=25	<p>RAH Fire Risk Assessment.  Event Safety Standards.  Pre-event checks by Duty Manager, Duty Show Manager, Duty Fire Officer and Stewards.  Constant patrols by Event Fire Officer.  Signage  Automatic hold open devices fitted to main exit routes to prevent propping open of doors</p>	3x5=15	

41	Flat roof – Access and works	Death or injury caused by slip, trip or fall. Falls from height.	All accessing flat roof area.	4x4=16	Tech/BS and Individual Dept. RAMS. Permit to work system for contractors. Access control of specific flat roof area. Roof access procedure.	2x4=8	
42	Flood - incl burst water pipe or sprinkler head	Death or injury caused by flood waters. Weakening of building structure. Slip or fall. Electrocutation	All accessing the Hall	3x5=15	BS Dept. maintenance and inspection programme. Hazard reporting procedures. 24 hour Stage Door with CCTV monitoring. Hall Emergency Procedures. Cleaning & BS Dept. Flood Policy/ Procedures	2x5=10	
43	Front of House Accessible Parking	Slips, trips or falls. Death or injury caused by Pedestrian/vehicle impact and crush.	All accessing the Hall	3x5=15	BS Dept. maintenance and inspection programme. Hazard reporting procedures. 24 hour Stage Door with CCTV monitoring.	1x5=5	
44	Gallery Access Doors to rear of Organ	Slips, trips or falls leading to death or serious to minor injury.	All accessing the Gallery Technical area at the rear of the organ	5x4=20	Signage on locked access doors. Access authority required from senior management in various Departments. 1100 mm Handrail in place to prevent falling on all but one access door. Work positioning harness point for full body harness with appropriate lanyard.	2X4=8	

45	Gas storage	Death or injury from explosion, gas/vapour production or fire. Injury caused by the mix of gases/chemicals spillage or misuse	All in vicinity	5x5=25	Stage Door RAMS 24 hour Stage Door with CCTV monitoring. RAH Fire Risk Assessment Compressed gas/LPG SWP Audits and inspections Removal of cylinders by contract arrangement with Promoter/Production. Event Promoters RAMS.	2x5=10	
46	Gas systems - Mains	Death or injury caused by gas leak or explosion. Fire. Building structure or fabric damage. Structural or fabric damage to neighbouring properties.	All on the Hall Neighbouring properties and residents.	5x5=25	BS maintenance and inspection programme. Hazard reporting procedures. Help Desk response and repair procedures. Installation Contractors RAMS and SWP. RAH Fire Risk Assessment Signage.	2x5=10	
47	Glazing and mirrors	Serious injury from impact with windows/mirrors that are not evident	All on the Hall	3x3=9	All safety-critical glazing to comply with BS or similar guidance. Where necessary glass is marked with graphics or manifestation. Mirrors not to be sited where they might cause confusion.	1x3=3	

48	Hospitality Rooms	Injury caused by hosting of an event.	All accessing the Hospitality Rooms	4x5=20	Promoters RAMS. Catering RAMS Individual Dept. RAMS. Hazard reporting procedures. Help Desk response and repair procedures. Hall Emergency Procedures. Hospitality Rooms RAMS. Hall Fire Risk Assessment	2x5=10	
49	Hot weather/conditions	Injury or illness caused by working in excessive heat. Heat exhaustion.	All working in hot conditions.	3x5=15	Individual Dept. RAMS. Contractors RAMS. Hall in house air conditioning and Chiller systems. Roof ventilation system. Medical and First Aid staff on the Hall	2x3=6	
50	Hot works	Death or injury caused by fire, smoke inhalation or explosion. Injury from burns. Building structure or fabric damage. Structural or fabric damage to neighbouring properties. Eye injuries.	All in vicinity of Hot Works.	5x4=20	RAH Fire Risk Assessment. BS Individual Dept. RAMS. Contractor RAMS. Hot Work Permit procedures. Permit to Work system. RAH Emergency Procedures. CCTV monitoring. Hazard reporting procedures. Event Promoters RAMS	2x4=8	



51	Ice and snow	Injury caused by falls, slips and trips. Vehicle accident, slide or skid.	All accessing the Hall	3x5=15	Hazard reporting procedures. BST Dept. RAMS.	2x5=10	
52	Kitchen areas	Death or injury caused by fire, explosion, gas or smoke inhalation. Injury caused by food preparation and equipment use. Burns or scalds, slips, trips or falls, infections, cuts & abrasions. Food poisoning. Pest infestation.	All using or in vicinity of facilities.	4x5=20	Catering SWPs & RAMS. Individual Dept. RAMS. BS Dept. maintenance and inspection programme. Fire safety inspections and audits Cleaning contractor RAMS	2x5=10	
53	Lasers	Optical injury Slips, trips or falls due to dazzle effect. Burns Fire caused by laser beam on flammable materials.	All within auditorium	4x3=12	Event Laser Company RA and method statement. Production RA WCC or RAH Laser Sign Off.	2x3=6	
54	Late working	Death or injury caused by tired workers, Reduced lighting or unfamiliar surroundings.	All in the Hall	5x5=25	Event Promoters/ Promoters RAMS Service Partner and Individual Dept. RAMS. Hazard reporting procedures. 24 hour Stage Door with CCTV monitoring. Event late working procedures. Show Manager and TSM monitoring. Hall Medical and Safety staff available for duty during high risk tasks.	2x5=10	

55	Legionella and other water-borne infections	Death or illness caused by a water-borne infection.	All in the Hall	3x5=15	BS Dept. maintenance and inspection programme and treatment. Hazard reporting procedures Event Promoters RAMS. Hall Event RAMS and SWP.	2x5=10	
56	Lifting – incl the use of Mechanical Handling Equipment (MHE) and forklift vehicles	Death or injury caused by movement or dropping of weighted loads. Death or injury caused by contact with or by MHE & forklift equipment. Death or injury from building fabric and materials caused by forklift contact. Building structural or fabric damage. Death or injury from forklift mechanical failure	All those operating equipment or in the vicinity of these operations.	5x5=25	Staff information and training. Individual Dept. RAMS and SWPs/Method Statements. Contractor RAMS and SWPs Event Promoters RAMS	2x5=10	
57	Lighting	Injury caused by poor or low lighting levels, including slips, trips and falls. Eye strain. Sick Building Syndrome. Depression and stress.	All affected by or working in low light levels. Partially sighted staff, contractors or members of the public.	4x3=12	BS Dept. maintenance and inspection programme. Help Desk response and repair procedures. RAH Stress Policy. BST available 0700 – 2300 hrs to regulate lighting levels as required. BMS programmable for lighting on request to the BS Helpdesk. DSE assessments.	1x2=2	

58	Loading bay gate operation	Death or injury caused by gate or gate mechanism. Crush or entrapment. Manual handling injuries. Damage to vehicles.	Door/shutter Operators. All in the area during operation.	3x3=9	BS Dept. maintenance and inspection programme. Hazard reporting procedures. RAH Security RAMS, toolbox talk and staff training. Restricted operator key control, including signing out register. Promoters Event RAMS.	2x3=6	
59	Lone working	Death or injury caused by unaccompanied working of staff or contractors from accident or ill health. Death or injury caused by violence to staff.	All those identified as lone workers	5x5=25	Individual Dept. RAMS 24 hour Stage Door with CCTV and radio communication system monitoring. Staff information and training. Contractor induction. Permit to Work system. Occupational health monitoring.	2x5=10	
60	Medical – including first aid	Death or increased severity of injury or illness caused by lack of medical assistance. Slow medical response. Incorrect medical treatment.	All accessing the Hall	5x5=25	Showmed Medical Contractor safety documentation and procedures. RAH Staff first aid information and training. Hall Emergency Procedures. Stage Door staff trained in First Aid. AEDs and first aid stations deployed around the Hall. Event Promoters/Promoters RAMS including the provision of additional medical staff for children's events.	2x5=10	

61	Neighbouring properties	Death or injury caused by faults, works or collapse of neighbouring property	All in the Hall. Neighbouring Properties. Emergency Services.	3x5=15	Hazard reporting procedures. Hall Emergency Procedures. BS Dept. maintenance and inspection programme. Local Resident Group management liaison meetings. Senior management liaison meetings and agreements. LA agreements and liaison.	1x5=5	
62	New or expectant mothers	Death, illness or injury to unborn child, Child or mother.	Expectant mother. Unborn child.	4x5=20	Individual Dept. RAMS individual to person. First aid facilities. Staff rest areas. RAH Emergency Procedures. Confidential advice available to all staff from HR or the Health and Safety Advisor. Event Promoters RAMS. Occupational Health advice.	2x5=10	
63	Noise	Injury caused by excessive noise. Tinnitus other hearing related illness or condition. Inability to hear alarm warnings and evacuation messages.	All in the Hall	5x4=20	Generic Noise RAMS Hall Event RAMS Event Promoters RAMS RAH Control of Noise SWP Event sound monitoring by Show Dept. system limiting events to a set dB(A) limit over 15 minutes. Contracted noise regulations between Hall and Event Promoter. Blue beacon system for evacuation messages. Staff information and training. PPE issued or available to staff working within the Auditorium.	2x3=6	

64	Office equipment	Injury caused by faulty equipment. Injury caused by incorrect use or misuse of equipment Injury caused by incorrect handling.	All using equipment or in the vicinity.	3x4=8	Hazard reporting procedures. Individual Dept. RAMS. Staff information and training. IT & BS Helpdesk reporting. Event Promoter's RAMS & Fire RA for the Production Office. RAH annual portable appliance inspection and testing by contracted company.	1x2=2	
65	Organ Blowing Chamber – Access and working	Death from electrocution or asbestos related ill-health. Head injury	All accessing the area	3x5=15	BST Dept RA Technical Show Dept RA Asbestos Register and COP. Signage warning of hazards Access controlled by locked door.	2x4=8	
66	Overheating of individuals within public or work spaces.	Injury or ill-health caused by body overheating. Fainting and injuries caused by fainting.	All accessing the Hall	5x3=15	Temperature in Main Auditorium monitored by BMS. Summer ventilation strategy. Roof smoke extract ventilation system. Circle V&W cooling system. Second Tier Dr 4 – 8 cooling system. First aid trained staff on site. Additional medical cover for public performance periods. Drinking water available in workplaces, medical room or on request for Patrons.	3x3=9	

67	Outside Broadcast – vehicles, compound and connections	Death or injury from moving vehicles or equipment. Death or injury from electrocution or shock. Injury from compound fencing. Restriction of fire exit routes or access for emergency services to fire-fighting systems. Injury from unauthorised access.	All in or around the compound.	5x4=20	Event RA and method statement Event Load-in Plan Event Security CCTV in specific area RAH Event Safety Standards guidance.	3x4=12	
68	Plant and Electrical Switch Rooms – Access and working	Death or injury from electrocution or shock, tampering or unauthorised access to equipment.	All accessing Plant or Switch Room areas	3x4=12	Key access required. The majority of Plant and Switch rooms are within non-public areas. Signage on doors. Electric shock warning posters.	2x4=8	
69	PCB ( electrical cables)	Ill-health caused by contact with PCB containing cables or residue from cables. Inhalation of vapours	Those accessing risers containing PCB cables	2x4=8	Warning signage BST Dept RA and method statement PPE	2x3=6	

70	Pedestrian access into buildings	Injury by slip, trip or fall. Congestion, crushing and panic	All accessing the Hall	5x4=20	All access doors open during an event. Access restricted by security systems and staff during non-event periods. Access areas cleaned on regular basis. Non-slip surfaces used on steps and walkways, where possible. PA System announcements. CCTV 24 hour staffed Stage Door. Alarmed fire doors for illegal access.	2x4=8	
71	Personal Protective Equipment (PPE) – use of and care.	Injury caused by incorrect use or incorrect fit of PPE. Injury or illness caused by non-use of PPE. Injury or ill-health caused by failure of PPE.	All requiring the use of PPE	5x3=15	Staff information and training. Individual Dept. RAMS. Event Promoters RAMS. PPE Safe Working Practice. RAH H&S documentation and guidance.	2x3=6	
72	Plant and Switch rooms	Death or injury caused by contact with moving equipment and machinery. Electrocution.	All accessing plant rooms	5x4=20	BS Dept. maintenance and inspection programme. Dept. RAMS Warning signage. Restricted access key issue or key pad access. Permit to work/Limitation of Access system. Contractor RAMS.	2x4=8	

73	Power failure	Death or injury caused by loss in power and lighting.	All accessing the Hall	5x5=25	BS Dept. maintenance and inspection programme. Staff information and training. Individual Dept. RAMS. Hall Emergency Procedures. Back up power system for emergency lighting. Emergency tannoy on alternate power supply. Event Promoters RAMS.	1x5=5	
74	Pyrotechnics	Death or injury caused by mishandling or accident in the use or storage of the pyro.	All in the vicinity of the pyrotechnics.	3x5=15	Event Promoters RAMS. Pyrotechnicians RAMS. Fire Officer and H&S monitoring. RAH SWP including pre-use inspection, demonstration and sign-off. WCC authorisation and visit if deemed necessary.	2x5=10	
75	RAH sports, leisure and external events.	Injury caused by sport or leisure activities organised by RAH management.	All Staff	3x4=12	Individual event RAMS by activity promoter/provider/organiser.	2x4=8	



76	Roof access See also Flat Roof	Death or injury caused by slips, trips and falls. Death or injury caused by blow from falling equipment. Head injuries. Crushing injuries from equipment. Injury caused by use of personal protective equipment. Cuts or abrasions. Panic from vertigo.	All accessing the roof voids. All working within the roof voids. All in the vicinity below.	5x4=20	RAH Code of Practice for Rigging. RAH Working at Height SWP Roof specific risk assessment. Departmental RAMS. Security access control and monitoring systems. Contractor RAMS and method statements. Permit to Work system. Auditing & Inspections. Event Promoters RAMS.	2x4=8	
77	Rubbish/waste	Death or injury caused by fire or smoke inhalation. Injury caused by uneven or slippery surface. Infection by contaminated waste. Cuts or lacerations.	All on the Hall	4x3=12	Cleaning RAMS, method statements and cleaning programme. Hazard reporting procedures. Use of registered waste removal companies including hazardous waste. Hall Fire Risk Assessment. Promoters Event RAMS.	2x3=6	

78	Service Tunnels – Access, working and egress  see also Asbestos	Death or injury from slips, trips, falls, working at height with drops in excess of 2m in old Service Tunnel. Injury from hitting of head and upper torso on low level duct and pipe work.	All accessing the Service Tunnels including RAH staff and Contractors	4x5=20	Service Tunnels SWP. Asbestos Register and COP Permit to work system. Access doors locked. Asbestos survey and regular inspection. Signage. Fire sprinklers and FFE in line with RAH Fire Risk Assessment. Cable trays. Compartmentalisation of sections. Emergency exits at designated points along tunnel. PA speakers within area for emergency egress.	2x4=8	
79	Sharps – needles and knives.	Injury or ill-health from contact with a sharp object.	All accessing the Hall	4x4=16	Bag searches following security risk assessments of events likely to cause concern. Medical Contractor RA and method statement on the use, storage and disposal of sharps.	2x4=8	
80	Slips, trips and falls on level surface  see also Steps and Staircases	Injury caused by uneven or slippery surface.	All on the Hall	5x3=15	BS Dept. maintenance and inspection programme. Cleaning RAMS, method statements and cleaning programme. Hazard reporting procedures. Help Desk response and repair procedures. Promoters Event RAMS. Duty Manager pre-event inspection. FOH staff briefings, including hazard reporting. Cable routing designed to be away from public accessible areas.	2x2=4	

81	Smoking Gallery – Access, working on and egress from - incl. Porch roof areas	Death or injury from falling from height (25m). Slips, trips or falls. Electrocutation.	All accessing the Smoking Gallery or Porch Roof areas.	4x4=16	Smoking Gallery SWP. External access doors locked with access via Stage Door Security or Venue Technician only.	2x4=8	
82	Smoking incl. the use of the external smoking area	Death or illness from smoking related condition. Fire, smoke inhalation or explosion.	All in the Hall	5x5=25	RAH Smoking Policy Hall Fire Risk Assessment. Designated smoking area. Signage. Hall Events RAMS. Regular cleaning and waste removal. Monitoring and enforcement by RAH management.	2x5=10	
83	Spillages	Injury, illness or infection caused by spillage. Slip, trip or fall.	All in the Hall	4x3=12	Hazard reporting procedures. Event Promoters RAMS Dept. RAMS. Cleaning Contractor procedures. Front of House and Stewarding reporting.	2x3=6	

84	Steps and staircases	Slip or trip up or down steps or stairs. Death, serious or minor injuries from falls.	All	4x5=20	<p>All steps and stairs comply with Building Regulations or Technical Standards for Places of Entertainment, with the exception of those areas listed in column h.</p> <p>All steps and stairs within public circulation areas, inside the Hall are nosed in contrasting colour, highlighting the edge of step or stair.</p> <p>Public area handrails provided for steps or stairs for 3 risers or more.</p> <p>Suitable lighting in all areas unless subject to an event RAMS.</p> <p>Areas of suspected low light levels on or near steps or stairs during public access times to be stewarded.</p> <p>Hazard reporting procedures.</p> <p>Help Desk response and repair procedures.</p> <p>See also event specific RAMS for changes to auditorium step configurations.</p>	3x3=9	<p>External steps should be highlighted with suitable edge identification/nosings.</p> <p>The following areas require review and alteration of riser height: GT 2 &amp; 42, Stage risers including step boxes, steps at G &amp; O stalls onto stage and piano platform.</p> <p>Temporary handrail to be installed along side of Jib Platform in the area of O Stalls.</p>
----	----------------------	--	-----	--------	---	-------	---

85	Storage facilities Fixed or Temporary	Death or injury caused by incorrectly stored materials, fire, smoke inhalation or explosion. Manual handling injuries. Slips, trips or falls. Collapse of temporary storage structure. Crush or entrapment from stored items or equipment.	All on the Hall	4x5=20	Dept. RAMS. Hazard reporting procedures. Help Desk response and repair procedures. Audits and inspections. Staff information. Hall Fire Risk Assessment. Shelving inspections & sign off. Event Promoters RAMS. Contractor's RAMS and method statement including sign off. The use of MHE if required.	2x4=8	
86	Stress	Stress related injury or illness. Depression, Mental or physical ill-health: Absenteeism, irritability, depression, reduced performance and similar symptoms. Workplace violence.	Staff in the Hall	3x4=12	Medical Counselling by external occupational health service available if required, including via telephone. Heads of Dept. to carry out individual stress assessments as required. Regular appraisals or 1:1 meetings with Line Manager. Dedicated HR Dept. available for consultation. Sickness data review. Departmental event schedules and shift/work rotas. Heads of Dept. training in stress awareness and assessment.	2x3=6	RAH Welfare and Occupational Health policy in draft with HR Dept.

87	Structural collapse – Hall (Non-temporary)	Death or injury caused by structural collapse. Crush and panic	All accessing the Hall	5x5=25	Hazard reporting procedures. BS Dept. maintenance and inspection programme. Hall Emergency Procedures. Hall Fire Risk Assessment Hall Event RAMS Emergency Services liaison and training. Event Promoters RAMS.	2x5=10	
88	Substance misuse/abuse	Death, injury or ill-health caused by the intake of illegal substances affecting a worker, in their reactions or ability to carryout tasks including endangering others.	All accessing the Hall	5x5=25	RAH Drugs and Alcohol Policy. Catering SWPs & RAMS. Event Promoters RAMS. Monitoring by Front of House Management, Event Security and Stewards. Ejection from the Hall if required.	2x5=10	
89	Terrorist threat	Panic, crush and confusion caused by threat.	All accessing the Hall	3x5=15	Emergency Service liaison. 24 hour Stage Door with CCTV monitoring. Staff information and training. Hall Emergency procedures. Monitoring by Front of House Management, Event Security and Stewards.	2x5=10	
90	Toilet facilities	Slips, trips and falls Contact with chemicals. Electrical burns and electrocution	All using facilities Cleaners	5x3=15	Cleaning Contractor SWPs and RAMS. BS Help Desk response and repair procedures. BS Dept. maintenance and inspection programme. Hazard reporting procedures. Hall Event RAMS.	2x3=6	

91	Trespassing	Death or injury to Trespasser. Violence to staff or member of the public by Trespasser.	Illegal trespasser Staff Members of the public	4x4=16	24 hour CCTV monitoring Electronic security access systems 24 hour Stage Door staffing. Signage Access doors secured and alarmed when not staffed. Use of staff and event pass systems. Stage Door RAMS Staff training and information, incl SIA qualifications. Event security and Front of House staffing during events. Event Stewards RAMS.	2x4=8	
92	Use of Automated External Defibrillator (AED) equipment	Death or injury caused by the incorrect use of AED equipment.	All using or receiving treatment with AED. Anyone misusing AED.	3x4=12	RAH First Aid SWP Medical Contractor RAMS. Security Dept. maintenance and inspections. Staff training and updates. Signage of equipment Stewarding staff vigilance during performances.	2x3=6	
93	Use of compactors	Death or injury caused by contact with compactor moving parts. Fire, smoke inhalation or explosion. Slips, trips or falls.	All in the area of the compactor.	4x5=20	Cleaning and Catering Contractor RAMS and SWPs.	2x5=10	

94	Use of House Rigging	Death or injury caused by falling equipment. Death or injury from falling from height. Rigging equipment failure. Fire. Overloading of rigging points.	Anyone in the vicinity of the Mother Grid.	5x5=25	<p>RAH Code of Practice for rigging work.</p> <p>RAH MEWP SWP.</p> <p>Tech Show Dept. RAMS</p> <p>Event Promoters RAMS.</p> <p>Tech Show Dept. training, instruction and information.</p> <p>Inspections under LOLER Regs including independent inspection by Insurers.</p> <p>PPE.</p> <p>Electrical charging system inspections.</p>	2x5=10	
95	Use of ladders	Death or injury from falling, dropped or falling equipment, use of inappropriate equipment.	Event Crew, Venue Staff, Contractors	5x4=20	<p>Only industrial class ladders are to be used within the RAH.</p> <p>Those using the ladders are trained at working at height and the appropriate use of ladders.</p> <p>Ladders to be used on a flat, stable surface.</p> <p>The top two rungs of the ladder are not to be accessed but used as hand holds only, unless a platform ladder is used.</p> <p>Where this is the case the ladder is to be footed by another operative if the ladder is in excess of four rungs in height.</p> <p>Maintain 3 points of contact at all times.</p> <p>Pre-use checks by User.</p> <p>6 monthly recorded inspections by Dept. Manager.</p>	2x3=6	



96	Use of lifts	Death or injury caused by lift doors or mechanism. Panic or distress caused by lift failure. Damage to lift fabric or mechanism.	All using lifts. Lift Engineers. Front of House, Fire and BS Staff assisting in incident.	5x5=25	BS Dept. maintenance and inspection programme. Local or Stage Door linked alarm and communication systems. Lift isolation and local control systems. Use control keys for Stewarded use. Crew or Steward staffing of lifts for specific events. Weight loading and capacity signage. Insurance inspection and certification. Lift malfunction procedures. Permit to work procedures. Staff induction and on the job training. Hall Fire Risk Assessment	2x5=10	
97	Use of mobility access platforms including incorrect /inappropriate use	Injury caused by platform mechanism or doors. Panic or distress caused by platform failure. Failure due to inappropriate/incorrect use. Platform collapse or stoppage due to inappropriate/incorrect use.	Disabled/mobility impaired visitors. Lift Engineers. Hall staff. Other visitors.	3x3=9	BS Dept. and Contractor Lift Engineer Inspections, RAMS and method statement. BST on call during events. Lift alarm systems. Manufacturer's guidance and safety systems. Signage. Lift Assistants -when necessary. Platforms not to be used for goods.	2x2=4	

98	Use of public access doorways	Injury caused by weighted doors. Door failure/damage. Glass breakage. Injury caused by simultaneous use from both sides of door.	All using doors	5x3=15	BS Dept. maintenance and inspection programme. Automatic door systems. Use of toughened glass. Use of view panels. Stewards for events available to assist.	2x2=4	
100	Vehicle Access to Loading Bay	Death or injury from fire, smoke inhalation, Explosion. Panic or crush injuries during evacuation. Exhaust fume inhalation and asphyxiation Chemical spillage Chemical reaction Petrol Vapour release. Slips, trips or falls. Low light levels. Vehicle/pedestrian accident. Damage to building structure or fabric.	Hall Employees Contract Staff Promoter's Staff Visitors	4x5=20	Fire fighting equipment available in vehicle loading/unloading area. Fire detection systems. Sprinkler system. CCTV. 24 Hour staffed Stage Door with contact to Emergency Services. Cleaning Contractor RAMS in dealing with fuel and oil spillages. Hall Emergency Documentation known to LFB. Hall Emergency Procedures. No petrol driven vehicles to be left within the Hall overnight. No smoking, grinding, metal cutting or welding (Hot Works), within the basement and sub-basement levels and associated areas, without the approval of the Permit Issuing Officers approval. Chemical Spillage Equipment kit to include appropriate PPE. One complete set in the area of the sub basement. Area to be cleaned on a regular basis. During inclement weather, ramp area to be gritted. Signage to vehicle entrance/exit and pedestrian routes.	1x5=5	

101	Vehicle access to Resident's Car Park	Death or injury to pedestrian or vehicle occupants. Vehicle accident and damage to building structure/fabric. Damage to external signage and structures. Injury by or damage to access shutter. Damage to vehicles by access barrier. Poor lighting levels. Adverse weather conditions. Liquid spillages. Slips, trips or falls on level, escalators or stairs.	All vehicle passengers and drivers. All pedestrians in the area. Hall Staff	5x5=25	Speed limit and Road Traffic Act compliant signage. BS Dept. maintenance and inspection programme. Hall staff training.	2x5=10	
102	Vehicle Parking – East/West and Door 11 Areas.	Death or injury caused by mix of vehicles and pedestrians. Fire, smoke inhalation or explosion. Slip, trips or falls on spilt liquids. Illegal parking blocking escape routes or emergency vehicle access routes. Building and neighbouring property structural or fabric damage.	All vehicle passengers and drivers. All pedestrians and people in the area. Hall Staff. Neighbouring properties.	5x5=25	Local authority speed limit and Road Traffic Act compliant signage. BS Dept. maintenance and inspection programme. Hazard reporting procedures. Help Desk response and repair procedures. Car park access controls and procedures. Dispensation System for non-car park areas.	2x5=10	

103	Vermin, pests and other wildlife/ infestations	Injury or illness caused by infection, attack or bite from vermin or pests. Ill-health from animal borne infection. Ill-health or infection from contact with animal faeces.	All accessing the Hall	4x4=16	Contractor RAMS. Hazard reporting procedures. BS Dept. maintenance and inspection programme. Individual Dept. RAMS. Cleaning/pest control programme incl. RAMS.	1x4=4	
104	Visiting Building Services Contractor	Death or injury caused by lack of knowledge of the hazards within the Hall at the time of working, the Hall layout or emergency procedures. Death or injury caused by lack of cross contractor liaison or interference of work tasks. Death or injury caused by lack of knowledge of building facilities, construction or facilities	All on the Hall	5x5=25	Prior Contractor Permit to Work application. Facilities Dept. Permit to Work procedures via the Permit to Work Officer. The Hall induction process by Permit to Work Office/BS Staff.	2x4=8	

105	Visiting business and other guests – non-Facilities Contractor	Death or injury caused by lack of knowledge of the hazards within the Hall at the time of visit, the Hall layout or emergency procedures.	All visitors to the Hall	4x5=20	<p>All visitors to register with Stage Door.</p> <p>The Hall visitor access pass to be issued.</p> <p>Guests to be escorted at all times and assisted in exiting during an emergency evacuation. Regular guests to be inducted to the relevant work areas by the Fire Safety Team. Induction to be recorded by Senior Staff member responsible for that visitor.</p> <p>All visitors are to avoid areas of hazardous activity where possible. Visitors are to be made aware of any hazardous areas or areas of concern prior to or on arrival and advised of any requirement for PPE, by their Escort.</p> <p>If required to access any hazardous area all escorts are to ensure that suitable safety briefings and PPE.</p>	2x2=4	
106	Vulnerable persons: Young, new or expectant mothers or those with disabilities working or visiting the Hall	Death or injury caused by immaturity, lack of awareness, physical capacity or unfamiliar tasks/areas of work.	Vulnerable person, those working or in the vicinity of their work.	3x5=15	<p>Individual work risk assessments for vulnerable persons employed. Specific training and supervision in relation to specific hazards. Substitution or elimination of tasks/work environment following specific assessment or review.</p>	2x3=6	

107	Water supply	Injury caused by falls, slips and trips. Death or illness from Legionella/water borne bacteria. Flood damage to property and neighbouring property.	All on the Hall Neighbouring property and residents.	3x5=15	Hazard reporting procedures. BS Dept. maintenance and inspection programme. Individual Dept. RAMS. Water Risk Assessment including water treatments by external consultant companies. Water treatment and inspection regime by BS Dept. in place.	1x5=5	
108	Work equipment	Death or injury caused by incorrect use, inappropriate use or use of faulty equipment.	All accessing the Hall	3x5=15	Hazard reporting procedures. BS Dept. maintenance and inspection programme. Staff information and training. Individual Dept. RAMS. Event Promoters RAMS	2x5=10	
109	Working at height	Death or injury caused by slips, trips and falls. Death or injury caused by blow from falling equipment. Head injuries. Crushing injuries from equipment. Injury caused by use of personal protective equipment. Cuts or abrasions. Syncope.	All working at height. All in the vicinity below.	5x5=25	Gallery and Roof specific RAMS. Individual Dept. RAMS. Staff information and training. Contractor RAMS. Working at Height SWP. RAH MEWP SWP. RAH Code of Practice Rigging. Promoters Event RAMS. Roof Access SWP.	2x5=10	

110	Workshop areas	Death or injury caused by equipment use or procedures within workshop. Fire or explosion. Building fabric damage.	All in area of workshop facilities	5x5=25	Hazard reporting procedures. Building Services Dept. RAMS. Hall Fire Risk Assessment. Access control restrictions into workshop areas.	2x5=10	
111	Young Workers	Death or injury caused by inexperience of worker.	Young worker and all in vicinity	5x5=25	Event Promoters RAMS. Supervision by Event Promoter's Staff. Restricted access to Hall areas. Individual RA for RAH Young Workers or those on work experience. Induction and briefings.	2x5=10	