

Risk Assessment

Loading Counterweight Frames			
Venue	Buxton Opera House		
Department	Technical	Category	Technical
RA Reference	BUXOPTTECH0038	Review	12 months
Date of RA/review	12/07/2023	Next review	12/07/2024
Assessor/Reviewer	Jmorgan		

People at risk (estimated numbers of people at risk)			
Employees	6-10	Contractors	0
Visitors	0	Members of the Public	0
Production staff	6-10	Others	0
Client employees	6-10	Students	0

Activity			
Loading Counterweight cradles			
Any other relevant information			

Hazard	Risk	Control measures	Risk Rating			Actions	Revised RR		
			L	S	RR		L	S	RR
Dropping weight from Loading gallery	stage weights falling from height can result in potentially fatal injury	1: Safe systems of work in place for loading counterweight cradles 2: Staff trained in manual handling 3: Barrier systems to prevent weight entering on to stage	2	5	10				
Fatigue from loading and unloading weights	Fatigue increases the risk of a hazardous event occurring, leading to potential injury to the operative or others in the vicinity.	1: Safe systems of work in place for loading counterweight cradles 2: Trained staff 3: Staff rotation and breaks where necessary	2	4	8				
Leaning in to counterweight	POtential for falls from height, fall of items from height, or	1: Safe systems of work in place for loading counterweight cradles	1	5	5				

system when adding or removing weights.	becoming trapped within the cradle assembly.	2: Trained staff 3: PPE work positioning harness if required 4: Suitable and sufficient barrier in place to prevent accidental entry to the cradle assembly						
Manual Handling - overreaching with counterweights	Potential for musculoskeletal injury due to use of incorrect Manual Handling techniques.	1: Safe systems of work in place for loading of counterweight cradles 2: All staff are trained in correct manual handling techniques	1	4	4			
Noise - weights banging together	POTential for hearing damage cused by excessive and repetitive noise of weights banging together.	1: Safe systems of work in place for loading counterweight cradles 2: PPE hearing protection available where required 3: Weights are placed on top of each other carefully to prevent injury and limit noise	1	4	4			
Safety brakes fail on cradle during loading/ unloading.	Potential for crush, entanglement or impact injuries to the loader or those below.	1: Safe systems of work in place for loading counterweight cradles 2: Trained staff 3: Annual inspection of counter weight systems LOLER 4: Monthly in house inspections of counterweight system 5: Manufactures guidelines on weight limit for brakes and rope locks 6: Annual audit of LOLER inspection by a third party consultancy	1	5	5			
Temperature	Overheating whilst loading/ unloading counterweights during periods of hot weather.	1: Safe systems of work for loading counterweight cradles 2: Trained staff 3: Staff rotation and breaks where necessary 4: Water and fans provided	2	4	8			
Unplanned movement of counterweight cradle.	Potential for trap/ crush injury due to unplanned movement of counterweight frames.	1: Safe systems of work for loading counterweight cradles 2: Trained staff 3: Communication between fly person and loader cradles to remain stationary during loading	1	4	4			

