

PRODUCTION: TBC

PREMISES: TBC

DEPARTMENT: Lighting

WORK ACTIVITY: Erection / Operation of Lighting

DATE: 2014

# lite alternative

Unit 4, Duttons Way, Shadsworth Business Park

Blackburn, Lancs, BB1 2QR

T: 01254 579 654

IDENTIFY HAZARD	PERSONS AT RISK	SEVERITY	LIKELIHOOD	POPULATION	RATING	RATING	EXISTING CONTROL MEASURES	ADDITIONAL CONTROLS	SEVERITY	LIKELIHOOD	POPULATION	RATING	RATING
Access to Truss	Technician Involved	5	5	1	25.0	Medium	Ladder is visually inspected before use and an Inertia safety line is connected to the persons involved	Do all possible work with truss at floor level. Use picker to gain truss access if available and use lanyard to gain access to truss. All tasks undertaken by Lite Alternative Approved Sub-Contractors.	1	5	1	5.0	Acceptable
Working on Truss/Falling form Heights	Technician Involved, Persons on the fall	10	5	1	50.0	High	Technicians wear full body harness and use a double lanyard safety clip system whilst moving and working on the truss. Technicians are supervised by ground rigger or crew boss and maintain clear line of sight for instructions.	Focus any lights from Cherry Picker if available and suitable for the task. All crew wear suitable PPE. Only Two Technician on the truss at any time, Ground Rigger/Crew Boss with safety hat to ensure clear working area below truss Technician. Additional Safety line supplied for rope rescue if required. Truss Motor Controller to be powered and no rigging safeties attached until after focus to enable swift lowering of truss in case of fall and person hanging on safety lanyard. Technicians to work in a safe manner.	2	4	1	8.0	Acceptable
Danger from Electric Shock	Technician Involved	10	5	1	50.0	High	Full lighting system mains supply to be on a breakered supply. Lite Alternative Ltd to supply RCB switch for this supply to provide cover for any electrical fault.	All electrical equipment regularly PAT tested, and inspected before going on each job.	2	5	1	10.0	Acceptable
Loading / Unloading of Trucks	Persons within the loading vacinity	6	4	1	24.0	Medium	All load in docks and trucks have sufficient lighting. All flightcases not to exceed an unmanagable weight. The lighting crew chief will oversee all loading and unloading to ensure everyone's safety at all times.	All persons within the vicinity to wear Hi-Viz clothing, wear steel toe cap safety shoes and hard hats.	2	4	1	8.0	Acceptable

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<p><b>Truss Follow Spot Operation</b></p>	<p>Persons on Truss</p>	<p>10</p>	<p>4</p>	<p>1</p>	<p>40.0</p>	<p>High</p>	<p>Spot Operators gain access to Spot Chair on truss ladder located next spot chair. Fall arrestor used on climb. Spot operator in full body harness and in chair uses chair safety belts, ensuring at least one point of contact at all times. Follow Spot fixture protected by MCB.</p>	<p>Entire truss not to be safetied so can be brought in at all times. Tour supply a full rescue kit and ensure a competent person is on site to administer a rescue.</p>	<p>3</p>	<p>3</p>	<p>1</p>	<p>9.0</p>	<p>Acceptable</p>
<p><b>Use of Smoke Machines, ZR33, DF50 Cracked Oil, Unique and Orka Fluid - Spillage, Consumption.</b></p>	<p>All employee's, sub-contractors, visitors and public</p>	<p>5</p>	<p>3</p>	<p>3</p>	<p>45.0</p>	<p>Medium</p>	<p>Smoke machines to stored and used in suitable area. All operators to have full knowledge of the COSHH for fluid being used and to have experience in the operation of machines. No alcohol or drug taking during working hours. Water based fluid to be used wherever possible.</p>	<p>Operator to ensure equipment complies with venue fire regulations before turning on. Equipment to be visually expected before operation. Ensure any spilled fluid is cleaned up immediately and excess waste disposed of in the correct manner. MCB protection to be in place.</p>	<p>5</p>	<p>2</p>	<p>1</p>	<p>10.0</p>	<p>Acceptable</p>
<p><b>Motion Control of Lighting / Set / Video Truss</b></p>	<p>Persons within vacinity</p>	<p>10</p>	<p>3</p>	<p>1</p>	<p>30.0</p>	<p>Medium</p>	<p>K2 Kinesys System used. Each hoist individually monitored via the K2 system, should 1 fail or move at a different speed, every hoist will automatically stop. Each hoist annually load tested, and visually inspected on each load in. Operator has Emergency stop button within easy reach at all times, and will cut the power should any danger become apparent.</p>	<p>A secondary emergency stop to be placed on opposite side of stage, and a 2nd spotter should be watching all movements. All Performers to be made aware of the motion control element to the show.</p>	<p>2</p>	<p>3</p>	<p>1</p>	<p>6.0</p>	<p>Acceptable</p>