



Risk Assessment Single person crane operation

The people that might be harmed: Studioworks employees, contractors, public, artists

HAZARD	CONTROL
<ul style="list-style-type: none"> • Incorrectly assembled and rigged: crane, remote head and camera. • Objects falling from the crane. • Crane arm out of balance and unsupported whilst adjusting the load. • Manual Handling Risks - awkward body position whilst undertaking the task; pulling and pushing; stooping and stretching; heavy, awkward load; low level, high contrast, lighting conditions. • Trapped hands and fingers • Trip hazard when the crane is mounted on track. • Trip hazard from cables on the ground. • Crane running over feet. • Crane base becomes unstable when the arm is swung. • Loss of control of the moving arm. 	<ul style="list-style-type: none"> • Use competent operators or ensure staff unfamiliar with task are supervised. • Do not undertake moves which are beyond your physical ability to control safely. • Ensure that the crane is correctly assembled; the cables are routed with sufficient slack to allow full arm movement and remain clear of moving parts. • Check that the camera, lens and ancillary equipment are securely attached, and safety bonded to the arm. • Ensure that the arm is correctly supported when adding or removing equipment. • Follow safe manual handling procedures. Take particular care when your posture for swinging is compromised by the camera operation. Do not undertake moves which are beyond your physical ability to control safely. If the crane base needs to be moved do not attempt to do this whilst controlling the arm, use an assistant. • Always be aware of your surroundings, especially in poor lighting conditions. • Keep hands and fingers away from areas of the crane, such as pivot points and brakes, where moving parts could cause injury. • Be aware of the risk of tripping on crane track. • Keep area around crane as clear of cables as practicable. Take

<ul style="list-style-type: none">• The arm or camera colliding with people or objects.• Contact with suspended items such as lights or hanging scenery.	<p>extra care if the crane is being tracked whilst swinging.</p> <ul style="list-style-type: none">• Keep feet clear of moving wheels. Take extra care when there is more than one person involved in tracking the crane.• Be aware that some crane bases may be unstable during certain swinging maneuvers. If a more suitable base is not available, then an alternative crane should be used. If this is not possible then moves that would result in the base becoming unstable must not be attempted.• Do not undertake moves if you risk losing control of the arm due to the speed of the move or the position of the arm. Do not undertake moves which are beyond your physical ability to control safely. The operator must always be aware of their surroundings, especially in poor lighting conditions. The operator must not attempt to move the base whilst swinging the crane, a tracker must be used.• The area around the crane must be cordoned off or policed if there is a risk that someone could be hit by the moving arm or camera. If there is a risk of the arm or camera colliding with the set or other object an assistant should be used as a spotter. This person should always be in a position to see clearly the end of the crane arm and to be able either to warn the operator or physically intervene to prevent a collision.• Be aware of overhead items when planning a move. Ensure that any flown item which is subsequently lowered for adjustment is returned to its original height.
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