

DOCUMENT INFORMATION				
 Automation Dept	Production Name	'Autumn Opera Scenes'	Report #	AOS#001
	Production Reference	Autumn Opera Scenes	Report Instigated By	Curtain Failure
	Location (Theatre)	Milton Court Studio Theatre	Report Page #	1 of 5
	Technical Manager	Matthew Freeman	Report Completed By	M.Freeman
	TM Contact Email	OMITTED@stu.gsmd.ac.uk	Date Report Completed	02/12/2019
	Technical Assistant	OMITTED	Conclusion Rating	SUCCESSFUL

PROJECT CODE TM19AOS-001 'AUTOMATION CONTROL'					
System Area	System Item	Rating	Notes	Maintenance Action	Outcome
E-Stops	Desk E-Stop	Working	-	-	SUCCESSFUL
	Desk E-Stop Sign	Present	-	-	SUCCESSFUL
	MCC E-Stop	Working	-	-	SUCCESSFUL
	MCC E-Stop Sign	Present	-	-	SUCCESSFUL
	Grid E-Stop	Working	Button has been loose in the past.	It has been no issue since it was tightened.	SUCCESSFUL
	Grid E-Stop Sign	Present	-	-	SUCCESSFUL
	DSM E-Stop	Working	-	-	SUCCESSFUL
	DSM E-Stop Sign	Present	-	-	SUCCESSFUL
Au:Tour Rack	Au:Tour Operation	Good Condition	Rectifier failed after Rack was left on and e-stopping did not resolve the issue.	Rack was power-cycled and this solved the issue.	SUCCESSFUL
Extra Signage	Grid Door AMW	Present	-	-	SUCCESSFUL
	Dimmer Room AMW	Present	-	-	SUCCESSFUL
	Desk AMW	Present	-	-	SUCCESSFUL
Curtain T-Drive	Track-Based Limits	Not Installed	-	-	N/A
	Visual Condition	Good	-	-	SUCCESSFUL
	Operational Condition	Good	Some show cues seem jerky.	No action taken; however, some ramp speeds may be adjusted in programming if it becomes an issue.	MONITOR
	Calibration	Incorrect	The Curtain centre calibration is incorrect.	The Curtain has been re-calibrated to be just over the centre hard zero marks. However, the outside calibration seems to be quite tight still. We need to move the hard zero Glowtape marks.	MONITOR AND WORK NEEDED
	Auto Machinery Sticker	Present	-	-	SUCCESSFUL
	Cable Management	Good	-	-	SUCCESSFUL
Pendant T-Drive	Track-Based Limits	Not Installed	-	-	N/A
	Visual Condition	Good	-	-	SUCCESSFUL
	Operational Condition	Good	-	-	SUCCESSFUL
	Calibration	Good	-	-	SUCCESSFUL
	Auto Machinery Sticker	Present	-	-	SUCCESSFUL
	Cable Management	Good	-	-	SUCCESSFUL

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PROJECT CODE TM19AOS-002 'LAMPSHADES'					
System Area	System Item	Rating	Notes	Maintenance Action	Outcome
Pendant Steels	Pendant Steels – General	Good Condition	Inspected for deformation.	-	SUCCESSFUL
	Pendant Steels – Bottom Termination	Good Condition	Inspected for deformation and termination slippage. A lot of oil pooling at the bottom of the Steels.	-	SUCCESSFUL
	Pendant Steels – Top Termination	Good Condition	Inspected for deformation and termination slippage.	-	SUCCESSFUL
Mounting Brackets	Mounting Bracket General	Good Condition	-	-	SUCCESSFUL
	M6 Eye nuts	Generally Good	Eye nut loose on Pendant Number 6.	The loose Eye nut on Pendant Number 6 has been tightened.	SUCCESSFUL
Triple-E Carriages	Carriage Bolts	Generally Good	Some Carriage Bolts have been tightened.	All Carriage Bolts are now tight.	SUCCESSFUL
	Movement	Good Condition	-	-	SUCCESSFUL
	Rope Clamps	Good Condition	-	-	SUCCESSFUL
Triple-E Track	Electrical Tripe Management	Good	-	-	SUCCESSFUL
	Triple-E Track General	Good Condition	-	-	SUCCESSFUL
	Hanging Clamps	Good Condition	-	-	SUCCESSFUL
	Drop Pulley	Good Condition	-	-	SUCCESSFUL
Carriage SWR	Return Pulley	Good Condition	-	-	SUCCESSFUL
	Carriage SWR General	Good Condition	-	-	SUCCESSFUL
	Carriage SWR Terminations	Good Condition	-	-	SUCCESSFUL
Fibre Rope	Fibre Rope General Condition	Good Condition	-	-	SUCCESSFUL
	Fibre Rope Knot Terminations	Good Condition	-	-	SUCCESSFUL
	Line Tension	Good	-	-	SUCCESSFUL
Scaffold	Excess Rope Management	Good	-	-	SUCCESSFUL
	Scaffold Tubes	Good Condition	-	-	SUCCESSFUL
	Scaffold Clamps	Good Condition	-	-	SUCCESSFUL

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PROJECT CODE TM19AOS-003 'CURTAIN TRACK'					
System Area	System Item	Rating	Notes	Maintenance Action	Outcome
Carriages	Master Carriages General	Generally Good	Not the best stock has been used, notably the SR Master Carriage. Some of the Carriage Termination Plates have bent over time, not a critical concern. There is Glowtape on the US edge of the Curtain.	-	SUCCESSFUL
	Master Carriages Movement	Generally Good	The Master Carriage movement is not as good as it could be, especially Stage Right.	Check the Track is level prior to each performance and how the Master Carriages are seated on the Track.	MONITOR
	Carriages General	Good Condition	No visual issues with any of the Carriage stock. The Curtain is sitting low in a few places.	Where the Curtain is sitting low, these ties have been redone.	SUCCESSFUL
	Carriages Movement	Needs Attention	When moving, some of the 'fishtails' catch in the Carriage body causing the Curtain to jam on the Stage Right side. The Rubber Spacers are not in the correct place on every Carriage.	The Rubber Spacers have been re-positioned on every Carriage to sit at the bottom of the uprights. This should solve the issue. This must be checked prior to every performance!	MONITOR
Triple-E Track	Triple-E Track General	Needs Attention	The Track is not level as the Border has been attached to the shackles above the Track.	The Border has been disconnected and the Track is now much more level.	SUCCESSFUL
	Endstops	Good Condition	-	-	SUCCESSFUL
	Line Carriers	Good Condition	The Border could be paged further away from the Track and two Carriers are redundant.	The two Line Carriers have been moved to the front edge of the Track to page the Border away.	SUCCESSFUL
Pulleys	Drop Pulley 1	Good Condition	This has been tightened recently.	-	SUCCESSFUL
	Drop Pulley 2	Good Condition	This has been tightened recently.	-	SUCCESSFUL
	Divert Pulley 1	Good Condition	Fibre Rope is clear of the Metal Mounting Plate and fleet angle is OK.	-	SUCCESSFUL
	Divert Pulley 2	Good Condition	Fibre Rope is clear of the Metal Mounting Plate and fleet angle is OK.	-	SUCCESSFUL
	Return Pulley	Good Condition	-	-	SUCCESSFUL
Fibre Rope	Fibre Rope General Condition	OK	There is some light fraying where the line runs through the most onstage Endstop on the SL side.	-	MONITOR

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	Line Tension	Good	Line Tension is OK at various points throughout the system.	-	SUCCESSFUL
Track Rigging	Eyebolts on the Track	Good Condition	-	-	SUCCESSFUL
	Shackles	-	-	-	SUCCESSFUL
	Track Steels - General	Good Condition	-	-	SUCCESSFUL
	Track Steels – Bottom Termination	Good Condition	As noted previously, pooling of oil off the Steels has happened.	-	SUCCESSFUL
	Track Steels – Top Termination	Good Condition	-	-	SUCCESSFUL
	Rigging Screws	Good Condition	All locking nuts in place and at a good tension.	-	SUCCESSFUL
	Barrel Clamps	Good Condition	-	-	SUCCESSFUL
Scaffold	Scaffold Tubes	Good Condition	-	-	SUCCESSFUL
	Scaffold Clamps	Good Condition	-	-	SUCCESSFUL
Border Rigging	Ring Plates and Screws	Good Condition	Black serge is secure to the wood. The piece is tipping due to it being front-heavy.	-	SUCCESSFUL
	Shackles	Good Condition	-	-	SUCCESSFUL
	Grommets	Good Condition	Not tightened fully as terminations are quite close to the Grommet, lots of fleet as the piece is front-heavy.	Some tape has been added to these to mask them, they were revealed when the Border tipped more.	SUCCESSFUL
	Steel Wire Rope	Generally Good	The SWR on Line 3 was fleeting against a lighting fixture. There is excess hanging through the Grid on most lines. 5mm SWR used with 4-crimp Nicopress terminations.	The fleet issue has been corrected. The excess SWR has been coiled up into the Grid.	SUCCESSFUL
	Reutlingers	Faulty	The Reutlingers on Lines 1 and 7 were not locked-off fully. Tension is OK on all Reutlingers.	The Reutlingers are now tightened.	SUCCESSFUL
	Shackles	Good Condition	Not moused.	-	SUCCESSFUL
	Barrel Clamps	Need Attention	All require tightening, other than Line 4.	All Barrel Clamps have now been tightened.	SUCCESSFUL

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PROJECT CODE TM19AOS-004 'WOOD PANELLING'						
System Area	System Item	Rating	Notes	Maintenance Action	Outcome	
Unistrut	Zebedees	Good Condition	Zebedees security tested by pulling Panels.	-	SUCCESSFUL	
	Bolts	Good Condition	Zebedees security tested by pulling Panels.	-	SUCCESSFUL	
Mounting Plates	Wood Blocks	Not Inspected	Unlikely to fail, based on the fact the Panels were pulled when testing the Unistrut security.	-	LOW RISK	
	Pelmet Clips and Screws	Not Inspected	Unlikely to fail, based on the fact the Panels were pulled when testing the Unistrut security.	-	LOW RISK	
Panel Pick-Up	Flying Iron	Good Condition	-	-	SUCCESSFUL	
	Top Shackle	Good Condition	Moused.	-	SUCCESSFUL	
	Panel Steel – General	Good Condition	-	-	SUCCESSFUL	
	Panel Steel – Bottom Termination	Good Condition	-	-	SUCCESSFUL	
	Panel Steel – Top Termination	Good Condition	-	-	SUCCESSFUL	
	Bottom Shackle	Good Condition	-	Moused.	-	SUCCESSFUL
	Eyebolt	Good Condition	-	-	-	SUCCESSFUL

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