

Load Calculations						
Show		The Speculator				
Calculated By		Darren Wilson				
FOH Truss						
Non UDL						
Piece	Load (kg)	Total Span Between Points	Span to 1 (mm)	Span to 2 (mm)	Load on 1	Load on 2
Martin MAC Encore CLD	31	4000	763	3237	25.09	5.91
Robe DL4F Wash	20.8	4000	2013	1987	10.33	10.47
Martin MAC Encore CLD	31	4000	3263	737	5.71	25.29
UDL						
Piece	Load (kg)				Load on 1	Load on 2
H30V Truss (5000mm)	31.8				15.9	15.9
DMX & Power	7				3.5	3.5
Hoists & Rigging						
Piece	Load (kg)				Load on 1	Load on 2
LoadGuard LG50 Chain Hoists	29.42				29.42	29.42
Rigging	10				10	10
Totals						
					Load on 1	Load on 2
Total Weight on Truss (kg)					89.8	
Total Weight (Including Truss) (kg)					122	
Total Weight on Hoist Point (kg)					61	61
Total Weight on Beam Point (kg)					100	100

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LX Ladders- DSR, DSL, MSR, MSL		
	Load (kg)	
Fixtures	23	
Cable	13	
Rigging (including ladders)	15	
Totals	Load on 1	Load on 2
Total Ladder Weight (kg)	51	
Total Weight on Truss Point (kg)	25.5	25.5
All 4 LX ladders have the same weight.		