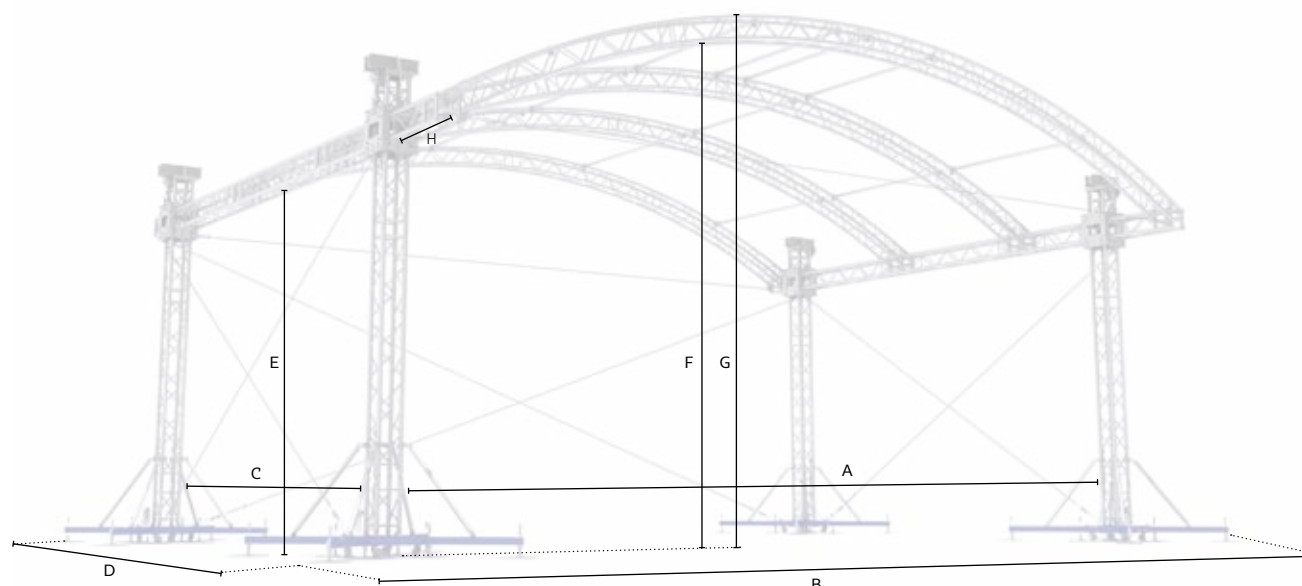


# MR1T arched roofs

- 10x6 m (32.81x19.69 ft) Arched Roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Quatro arches
- Fast connection for quick, simple and secure assembly
- Operate with manual chain block or electric chain hoist (bracket required)
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour and side walls options
- PA wing options available on request
- Integrated tower base / stage components available

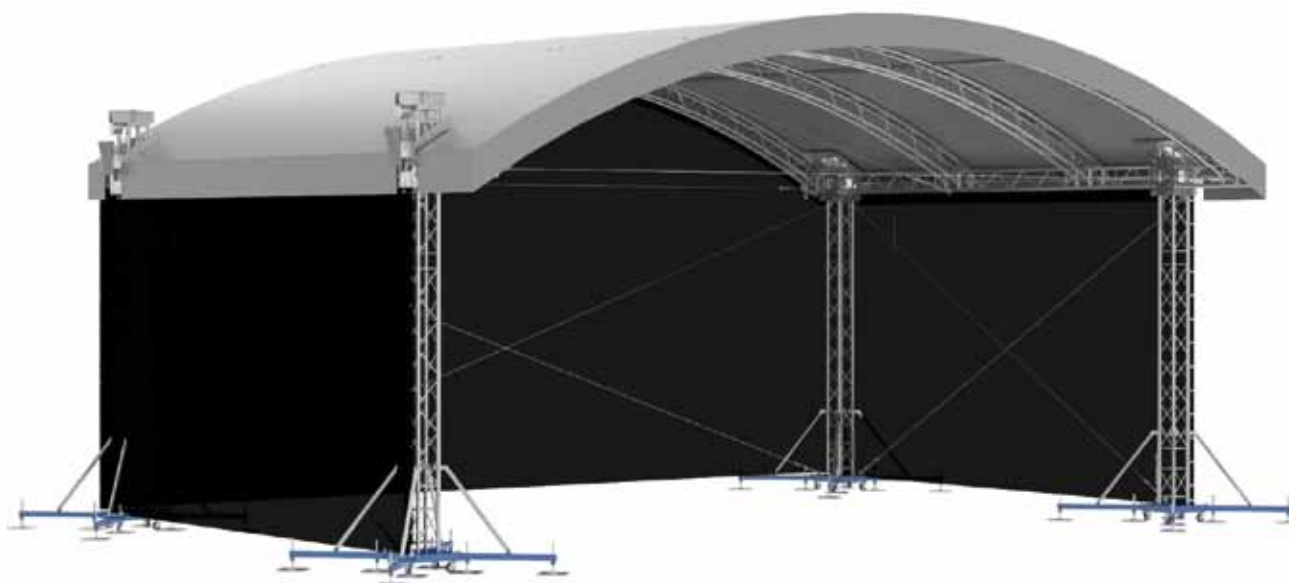


## Technical specifications

		Stage size >	10x6 m (32.80x19.70 ft)	8x6 m (26.25x19.70 ft)	
Dimensions	A	Internal width	10.50 m (34.45 ft)	8.50 m (27.89 ft)	
	B	Overall external width	12.83 m (42.09 ft)	10.83 m (35.53 ft)	
	C	Internal depth	6.15 m (20.18 ft)	6.15 m (20.18 ft)	
	D	Overall external depth	8.48 m (27.82 ft)	8.48 m (27.82 ft)	
	E	Side clearance	4.05 m (13.29 ft)	4.05 m (13.29 ft)	
	F	Middle clearance	5.60 m (18.37 ft)	5.34 m (17.52 ft)	
	G	Overall height	5.91 m (19.39 ft)	5.63 m (18.47 ft)	
	H	Cantilever depth	1.00 m (3.28ft)	1.00 m (3.28 ft)	

## Loading capacity

		Stage size >	10x6 m (32.80x19.70 ft)	8x6 m (26.25x19.70 ft)	
Loading capacity	Arches front and rear	Uniformly distributed (UDL)	30 kg/m (20 lbs/ft)	30 kg/m (20 lbs/ft)	
	Arches mid	Uniformly distributed (UDL)	20 kg/m (13 lbs/ft)	20 kg/m (13 lbs/ft)	
	Side truss	Uniformly distributed (UDL)	30 kg/m (20 lbs/ft)	30 kg/m (20 lbs/ft)	
	PA load	2x Point load at cantilever	150 kg (330 lbs)	150 kg (330 lbs)	*If no load on front arch
* See structural report for exact load positioning					



## Operational Specifications

Design standards	DIN EN 13814 (2005) DIN EN 1991 / Eurocode 1 DIN EN 1999 / Eurocode 9 DIN EN 1993 / Eurocode 3 • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	Fairground and amusement park machinery and structures Actions on structures Design of aluminium structures Design of steel structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above this wind speed if not considered Out of service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)  28.0m/s - 100km/h - 62mph (Max. gust wind speed)
Ballast	This can vary per tower from 1300kg / 2863lbs up to 3082kg / 6789lbs and depends on: • If tower bases are interconnected or free standing • Layout of canopies • Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions) • Friction material used between screw jacks, padding and sub soil	
Canopy & sidewalls	B1 fire retardant canopy on request, single piece format or in keder profiles on request Silvergrey; other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

## Transportation data

	Stage size >	10x6 m	(32.80x19.70 ft)	8x6 m	(26.25x19.70 ft)
Self-weight	* Exact self-weight depends on configuration	1834 kg	(4040 lbs)	1034 kg	(2278 lbs)
Transport volume	* Packed in carton boxes and bubble foil	20 m³	(706 ft³)	15 m³	(530 ft³)