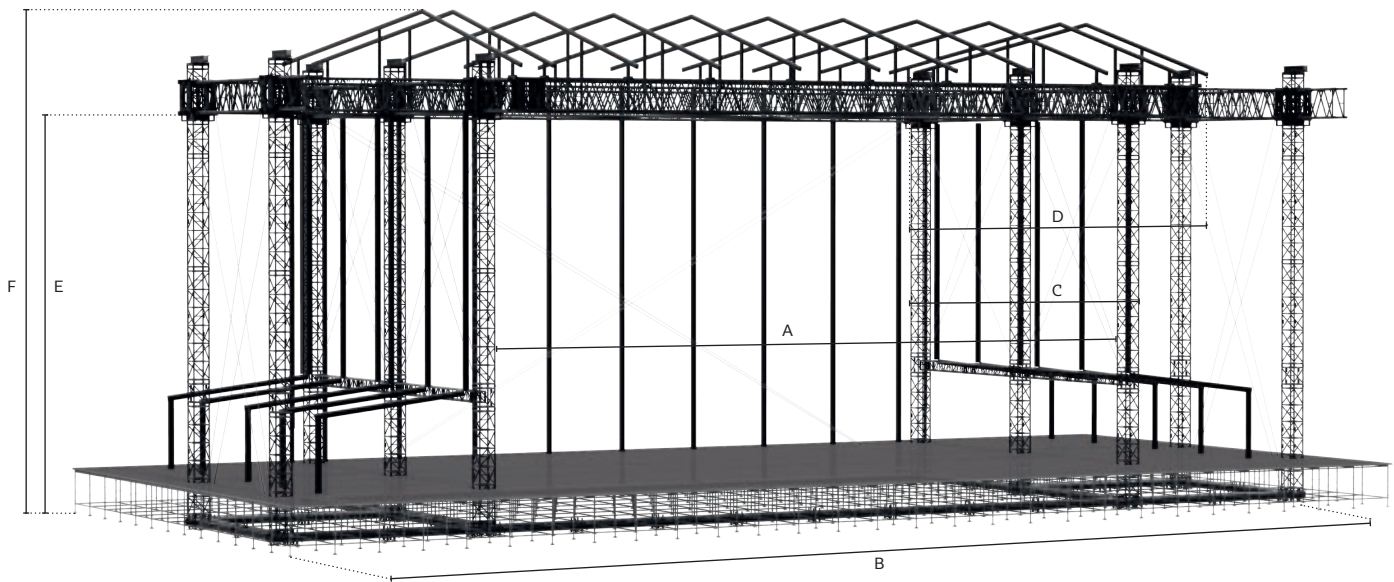


# S-MR20 steel roof

- Constructed from Ultra High Strength Steel
- Dimensions 32x25 m (105x82 ft)
- Unique locking system with 45t capacity per tower
- Integrated steel base with interconnecting towers
- Towers with integrated ladder for easy climbing
- Base with multiple attachment points for steel wires
- Canopy tensioning system for roof top canopies
- Keder profiles for secure attachment of canopies

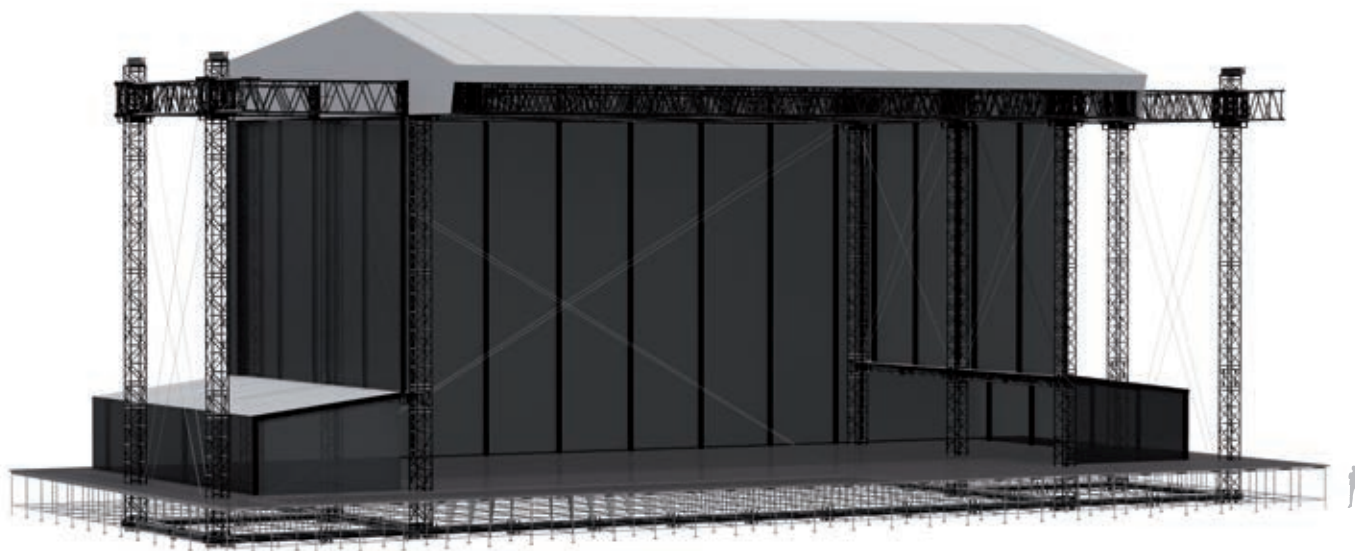


## Technical specifications

		Size >	32x25 m	(104.98x82.02 ft)
Dimensions	A	Internal width	32.70 m	(107.28 ft)
	B	Overall external width	54.10 m	(177.49 ft)
	C	Depth	20.00 m	(65.61 ft)
	D	Overall external depth	26.30 m	(86.28 ft)
	E	Clearance	18.40 m	(60.36 ft)
	F	Overall height	23.10 m	(75.78 ft)

## Loading capacity

		Size >	32x25 m	(104.98x82.02 ft)
Loading capacity	Main grid	(UDL)	60 000 kg	(132 277 lbs)
		PA in total	12 000 kg	(26 455 lbs)
		LED in side wing	500 kg/m	(335 lbs/ft)
* See structural report for exact load positioning				



“Scaffolding substructure is for visualization only.  
Bracing and ballast depends on requested configuration.”

## Operational Specifications

<b>Design standards</b>	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
<b>Wind management</b>	In service * Calculation based on 100% wind proof claddings of rear wall, side walls and side wing fronts Out of service * Claddings of side walls and rear wall must be dismantled in heights above 7m, side wing fronts can remain covered (e.g. by LED-screens) Training recommended	17,8 m/s - 64 km/h - 40 mph (max. gust wind speed) 28 m/s - 100 km/h - 62 mph (max gust wind speed)
<b>Ballast</b>	Depends on configuration/cladding, ranges from 56-75 tons	
<b>Roof top and side walls</b>	B1 fire retardant canvas in keders, configurable for different sizes on request Silver grey; other colours or inside black on request	
<b>Customised</b>	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	