



END PLATED Trusses Roof Systems

Reliability

Easy to assemble, the LITEC roof systems use as many standard production parts as possible. The end-plated truss line stands out for its design, durability and reliability. The towers are the well known manual or motorized Towerlift and Varitower.

Thanks to their modularity, these roof systems may be expanded depthwise and fitted with lateral PA wings for hanging audio or video systems.

They are recommended both for temporary and permanent installations performing excellently even in high winds due to the restraining devices adopted and materials used.



Arc Roof Systems highlight the specifics of their components: the reliability and strength of end-plated trusses and the intuitive technical and constructive know-how of the custom-made parts. Easy to assemble, they use as many standard production parts as possible. Thanks to their modularity, they may be expanded depthwise to build long tunnels. They are recommended both for temporary and permanent installations. They are particularly suitable for tourist centres, public parks, squares and exhibition areas, even in town centres, given their visual impact.

The bases of arc roof systems can be fitted to ground plates. This accessory makes ballast weight positioning and staying operations easier.

Dimensions

6x4 m

Distributed Load considering wind pressure	→ 3090 kg
Uniformly distributed load UDL*	→ 3900 kg
Weight	→ 410 kg
Transport volume	→ 5.4 m ³
Covered area/storage volume**	→ 4.5
Towers	→ 4 fixed legs
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX30SA
Roofing sheet	→ Self-extinguishing Class 2 - 590 g/sqm

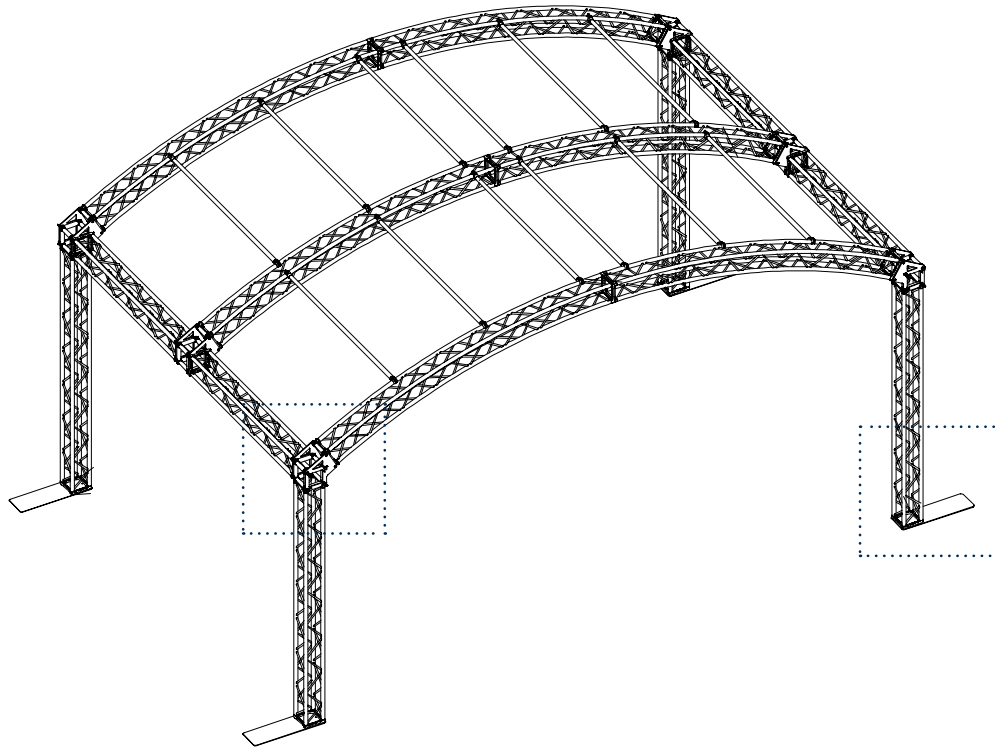
* Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

** This figure shows the ratio between the area covered by the assembled structure and the volume of the individual trusses used to build it. It is an efficiency figure useful in comparative analyses: transportability efficiency improves as the figure increases.

The examples and data shown on these pages are necessarily indicative owing to the extreme variability of the conditions in which the structures may be assembled. Each installation must be provided with a suitable quantity of ballast, as shown on the product certificates.

This line of structures was created in compliance with standards EN 1991 - Eurocode 1, EN 1999 Eurocode 9, EN 13814, EN 13782, DIN 4112, DIN 4113-1, DIN 4113-1/A1, DIN 4113-2.

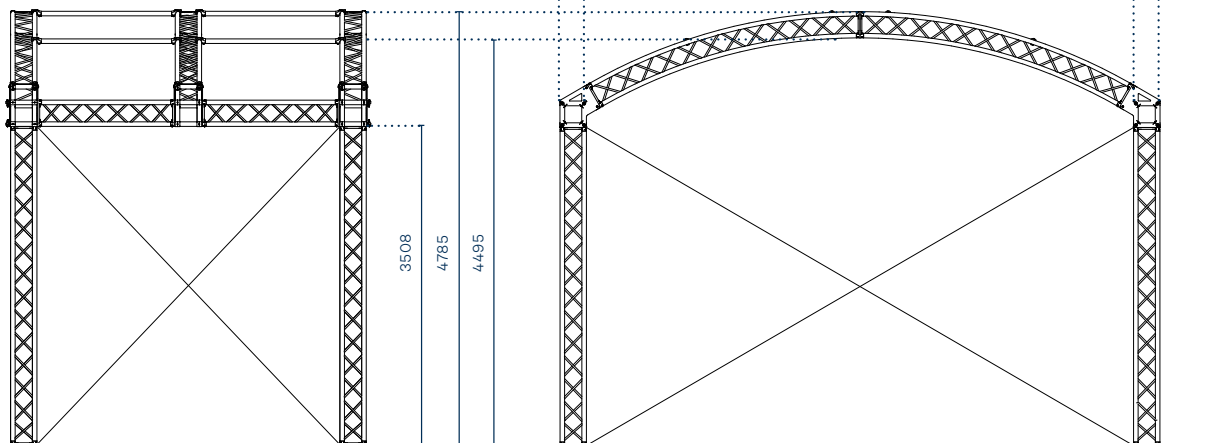
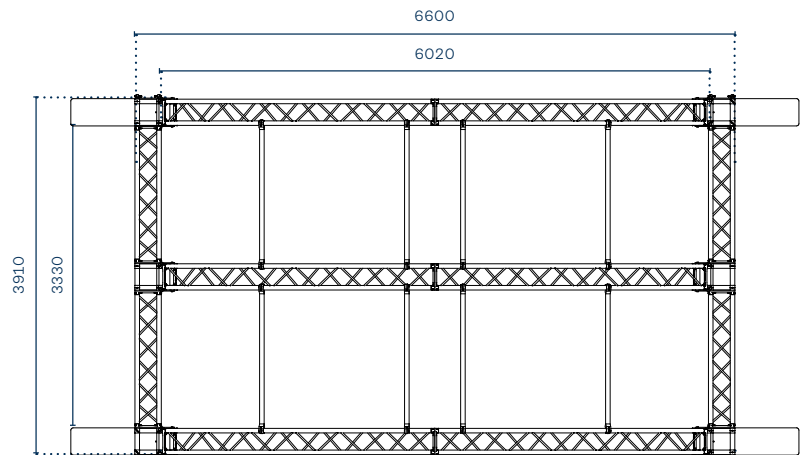
Use of these systems is governed by laws which vary according to the country they are assembled in. They must be put together in compliance with the local regulations in force.



Arc 6x4 m

The curved trusses are modular arches which may be put together into complete circles.

The connection between curved truss, straight truss and towers is made using a DADO with special aluminium flanges and a few accessories.





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The bases of arc roof systems can be fitted to ground plates. This accessory makes ballast weight positioning and staying operations easier.

Dimensions

8x6 m

Distributed Load considering wind pressure	→ 2076 kg
Uniformly distributed load UDL*	→ 2735 kg
Weight	→ 455 kg
Transport volume	→ 7.2 m ³
Covered area/storage volume ratio**	→ 6.7
Towers	→ 4 fixed legs
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX30SA
Roofing sheet	→ Self-extinguishing Class 2 - 590 g/sqm

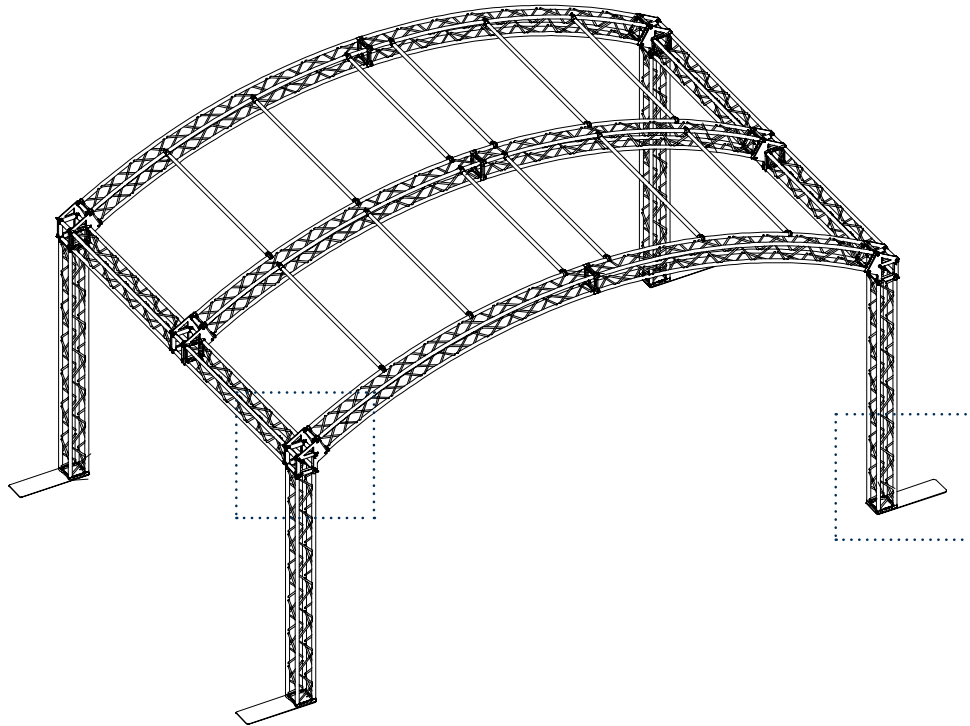
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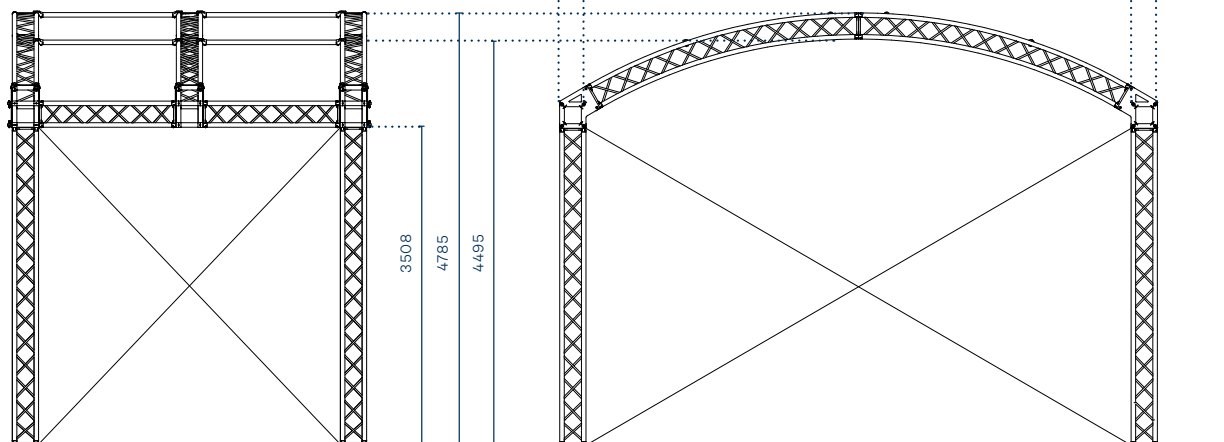
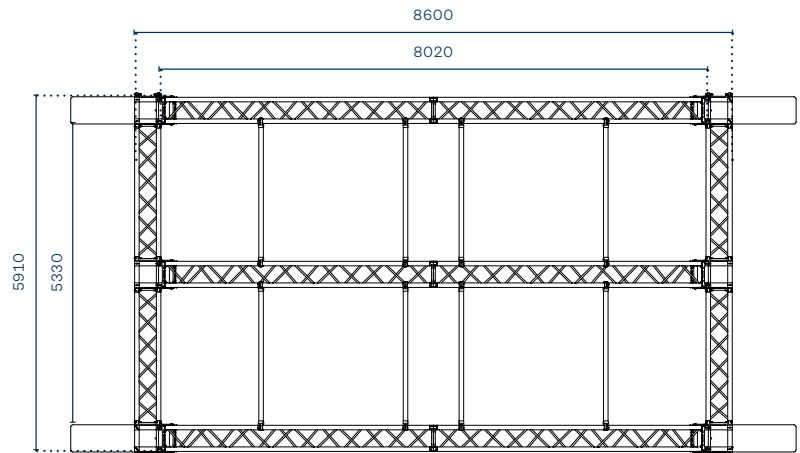
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Arc 8x6 m

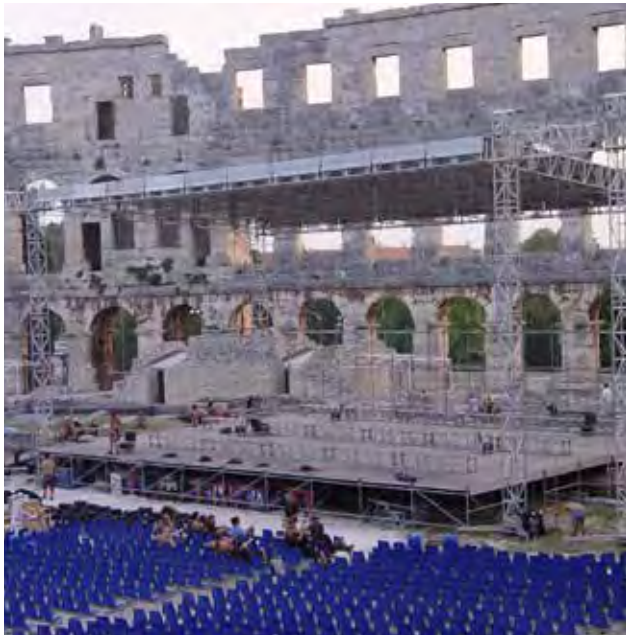
The curved trusses are modular arches which may be put together into complete circles.

The connection between curved truss, straight truss and towers is made using a DADO with special aluminium flanges and a few accessories.



Single Pitch

8x6 m



The 8x6 m dimensions makes it the perfect choice for your small to medium-sized events. Its use of QX30SA truss for the towers and QX40SA truss for the roof provide impressive capacity ratings, while ensuring safety and stability.

Dimensions

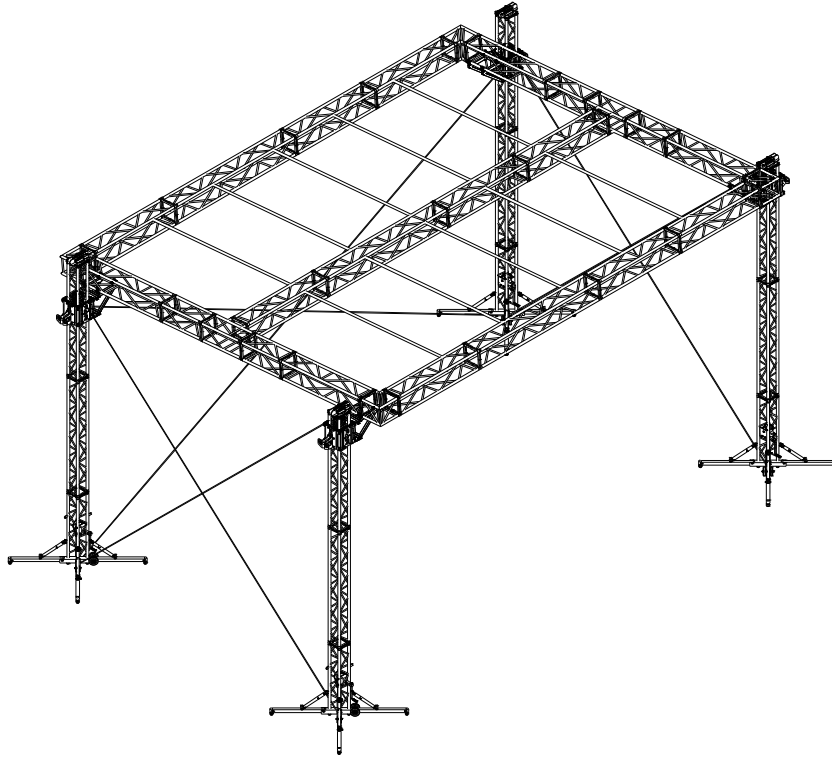
8x6 m

Uniformly distributed load UDL*	→ 1620 kg
Towers	→ 4x Towerlift 3
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX40SA
Roffing sheet	→ Self-extinguishing Class 2 - 650 g/m ²

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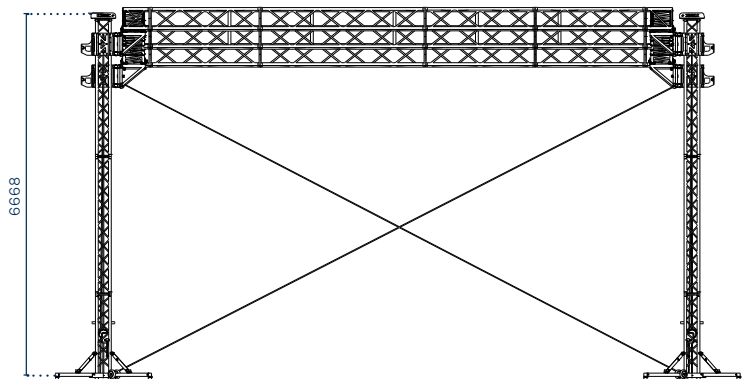
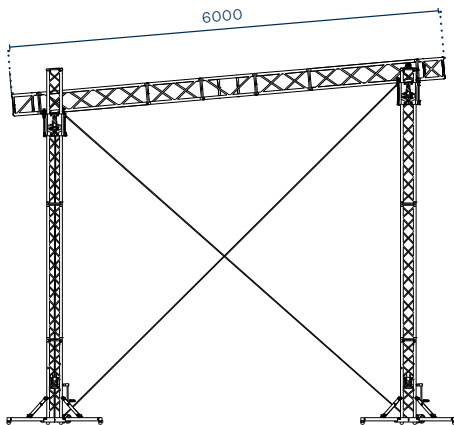
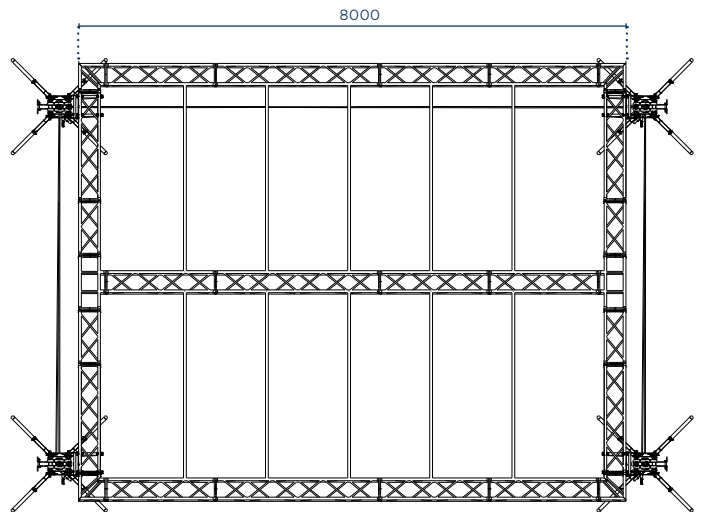
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Single Pitch 8x6 m

Side extensions for suspensions outside the set may be added to the front.



Double Pitch

8x6 m



Double-pitch roof systems are the result of the research of high performance and safe solutions. Roofing mounted on manual lifters, these structures may be assembled without electrical-driven parts. The lifter is the well-known Towerlift 3 and the whole system can be raised up to 6 metres above the ground. They can be fitted with lateral PA wings for hanging audio and video systems.

The standard roofing systems use two towers, the Towerlift 3 and the Varitower 3-30. The carriage is the same on both towers and has upper posts for coupling to the roof lintel.

Dimensions

8x6 m

Distributed Load considering wind pressure	→ 4848 kg
Uniformly distributed load UDL*	→ 6240 kg
Weight	→ 1210 kg
Transport volume	→ 15 m ³
Covered area/storage volume**	→ 3.2
Towers	→ 4 x Towerlift 3
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX40SA+FX30SA
Roofing sheet	→ Self-extinguishing Class 2 - 650 g/sqm

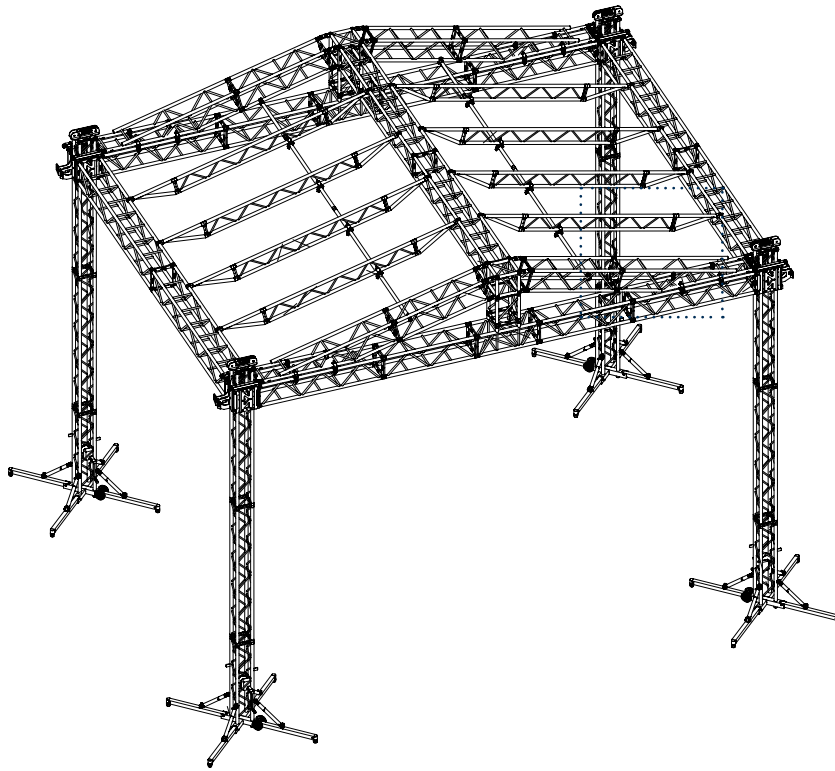
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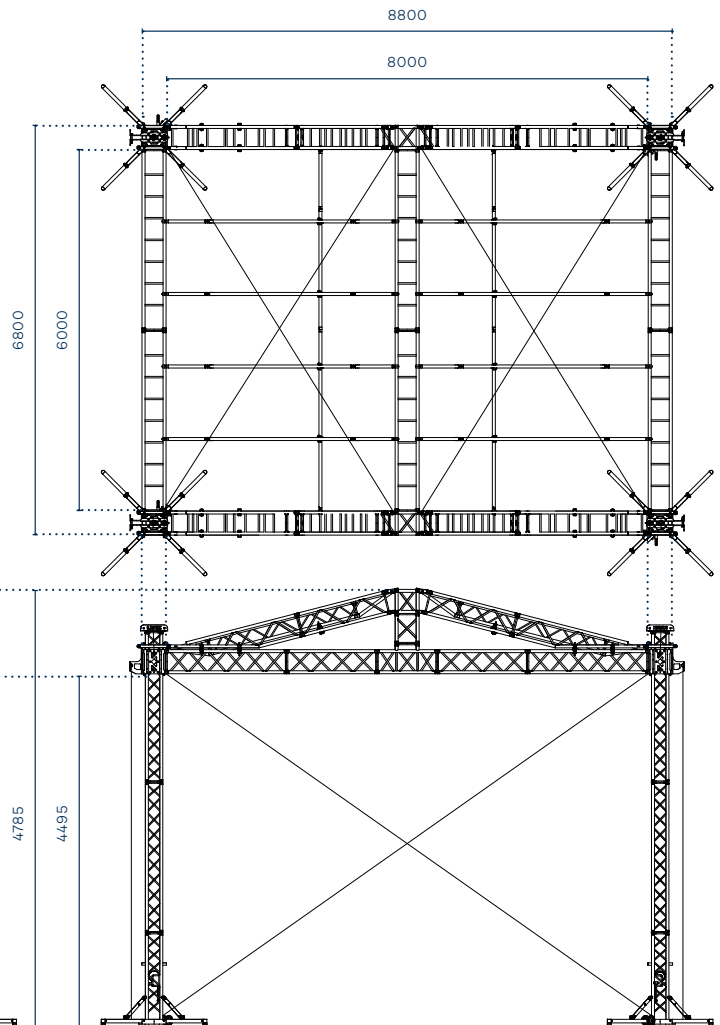
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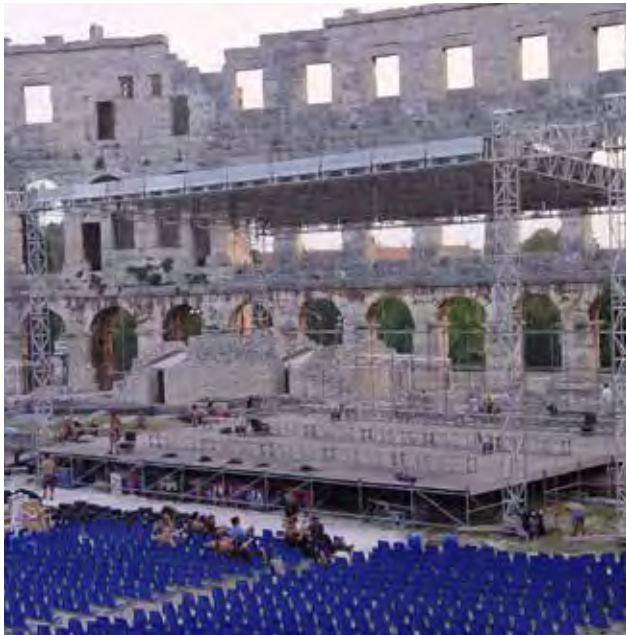
Double Pitch 8x6 m

The top angle of the roof is composed of a 40 cm DADO with forked spacers. Simple yet strong. These systems have been designed to solve the most critical problem: coupling the gable to the base structure.



Single Pitch

10x8 m



Designed for small to medium events, the single pitch 10x8 m roof covers your needs perfectly. The use of QX30SA truss for the towers and Qx40SA truss for the roof provide a safe and sturdy structure that handles your more demanding loads.

Dimensions

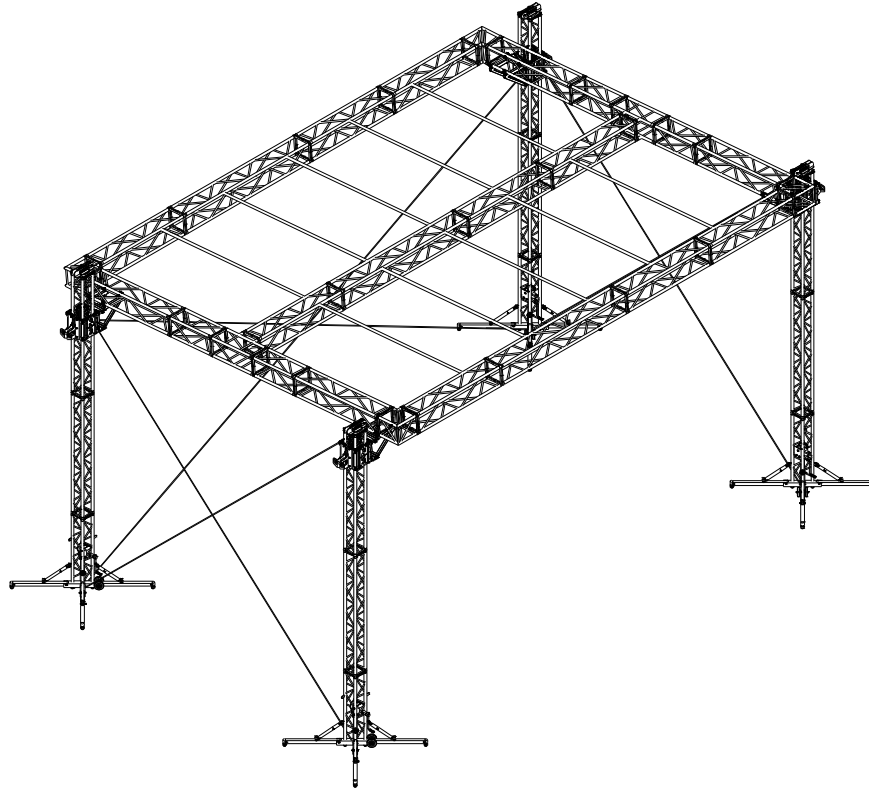
10x8 m

Uniformly distributed load UDL*	→ 1240 kg
Towers	→ 4x Towerlift 3
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX40SA
Roffing sheet	→ Self-extinguishing Class 2 - 650 g/m ²

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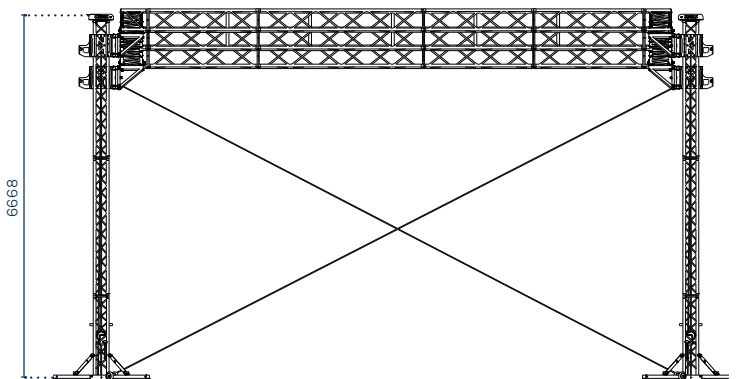
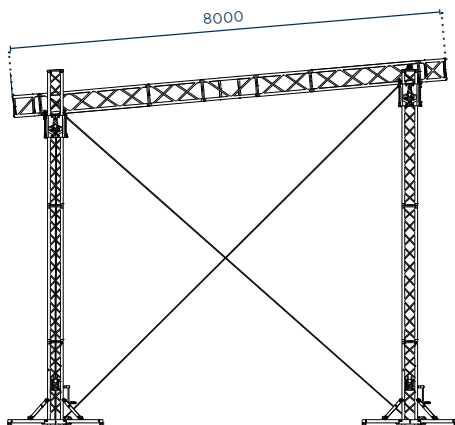
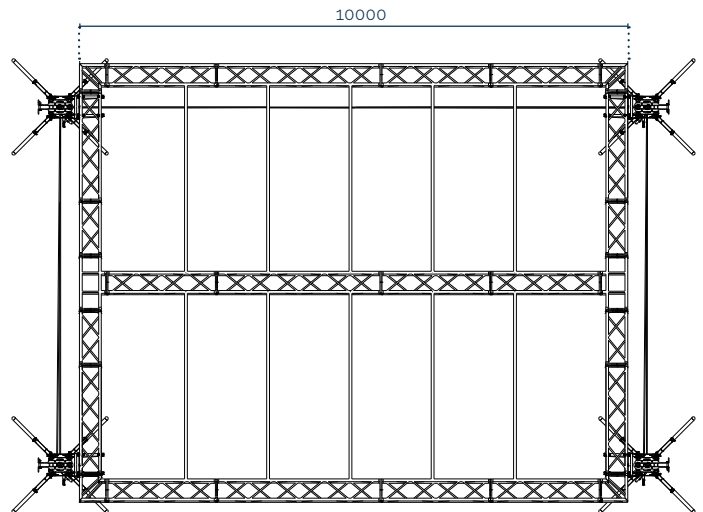
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Single Pitch 10x8 m

Side extensions for suspensions outside the set may be added to the front.



Double Pitch

10x8 m



Double-pitch roof systems are the result of the research of high performance and safe solutions. Roofing mounted on manual lifters, these structures may be assembled without electrical-driven parts. The lifter is the well-known Towerlift 3 and the whole system can be raised up to 6 metres above the ground. They can be fitted with lateral PA wings for hanging audio and video systems.

The standard roofing systems use two towers, the Towerlift 3 and the Varitower 3-30. The carriage is the same on both towers and has upper posts for coupling to the roof lintel.

Dimensions

10x8 m

Distributed Load considering wind pressure	→ 3552 kg
Uniformly distributed load UDL*	→ 4800 kg
Weight	→ 1424 kg
Transport volume	→ 18 m ³
Covered area/storage volume ratio**	→ 4.5
Towers	→ 4 x Towerlift 3
Trusses for lifter	→ QX30SA
Trusses for roof	→ QX40SA+FX30SA
Roofing sheet	→ Self-extinguishing Class 2 - 650 g/sqm

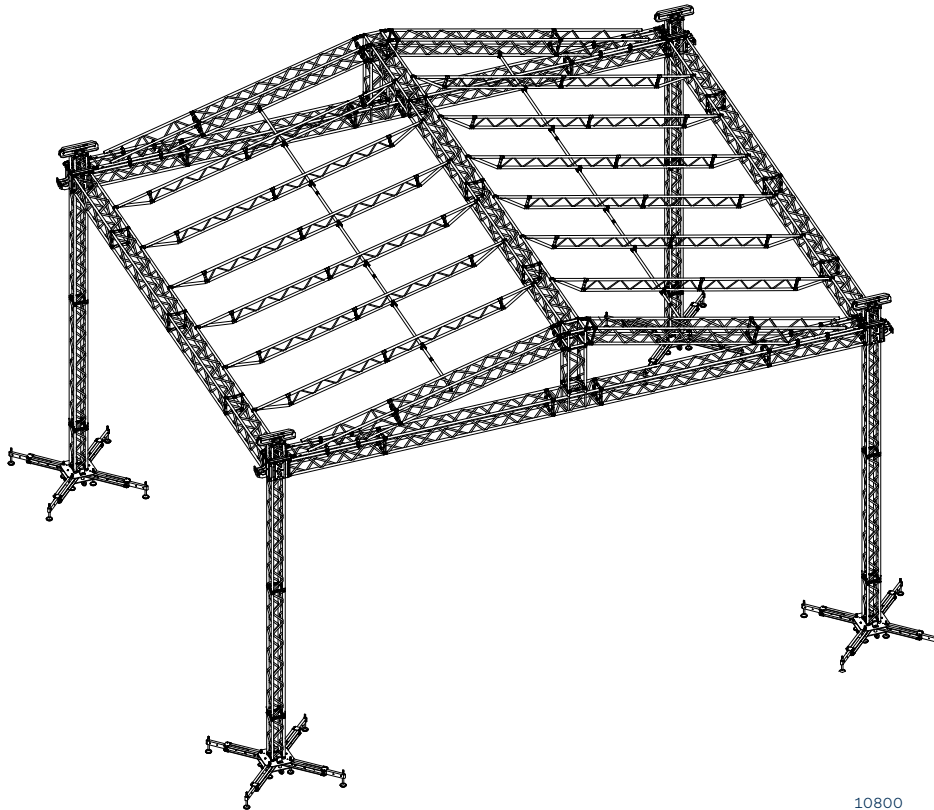
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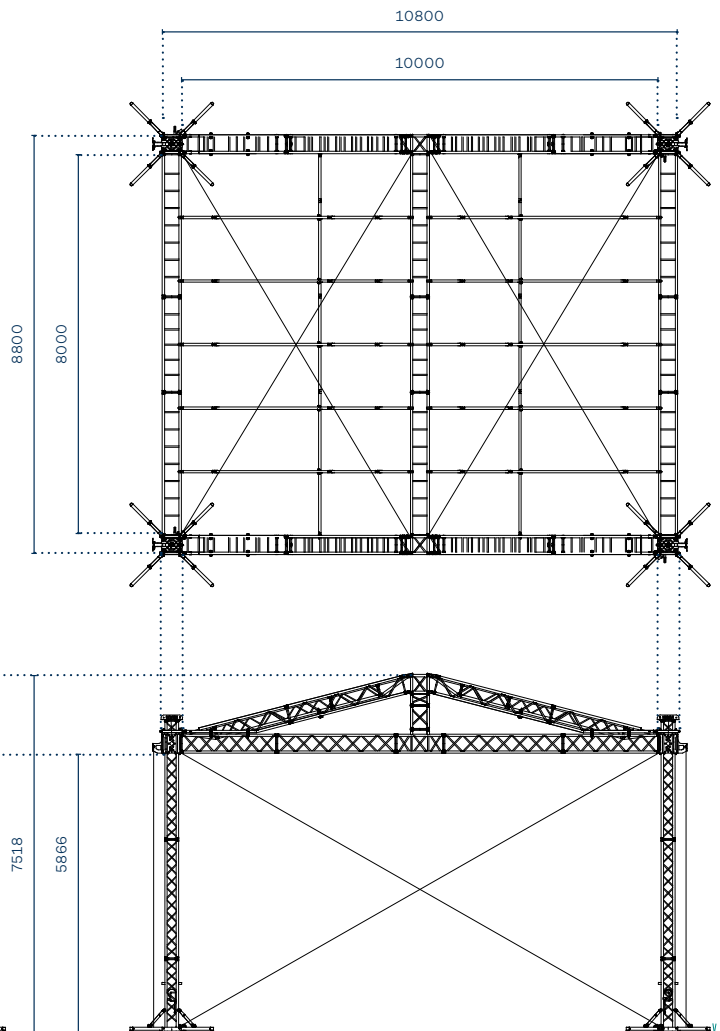
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Double Pitch 10x8 m

The top angle of the roof is composed of a 40 cm DADO with forked spacers. Simple yet strong.

These systems have been designed to solve the most critical problem: coupling the gable to the base structure.



Double Pitch

12x10 m



This structure for professional use has considerable dimensions and performance. Every detail has been determined following the highest safety standards required for applications at this level.

Thanks to the restraining devices adopted and materials used, this system performs excellently even in high winds. It is mounted on Varitower 3 lifters assembled for lifting with chain hoists.

Double-pitch roof systems can be fitted with lateral PA wings for hanging audio or video systems.

Thanks to the restraining devices adopted and materials used, these systems perform excellently even in high winds.

Dimensions

12x10 m

Distributed Load considering wind pressure	→ 3252 kg
Uniformly distributed load UDL*	→ 6944 kg
Weight	→ 2600 kg
Transport volume	→ 24.7 m ³
Covered area/storage volume ratio**	→ 4.8
Towers	→ 4 x Varitower 3
Trusses for lifter	→ QH30SA
Trusses for roof	→ QH40SA+FX30SA
Roofing sheet	→ Self-extinguishing Class 2 - 650 g/sqm

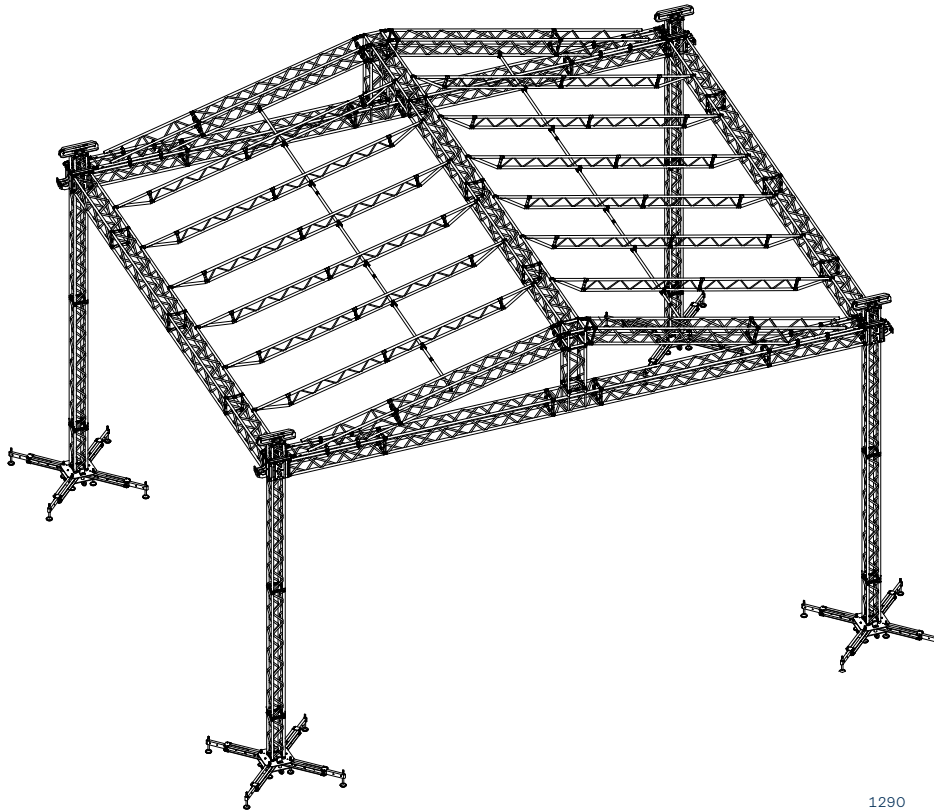
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Double Pitch 12x10 m

They are mounted on Varitower 3 lifters and are assembled for lifting with chain hoists. Both motor and manual hoists may be used. Double-pitch roof systems can be fitted with lateral flyouts for hanging audio or video systems.

