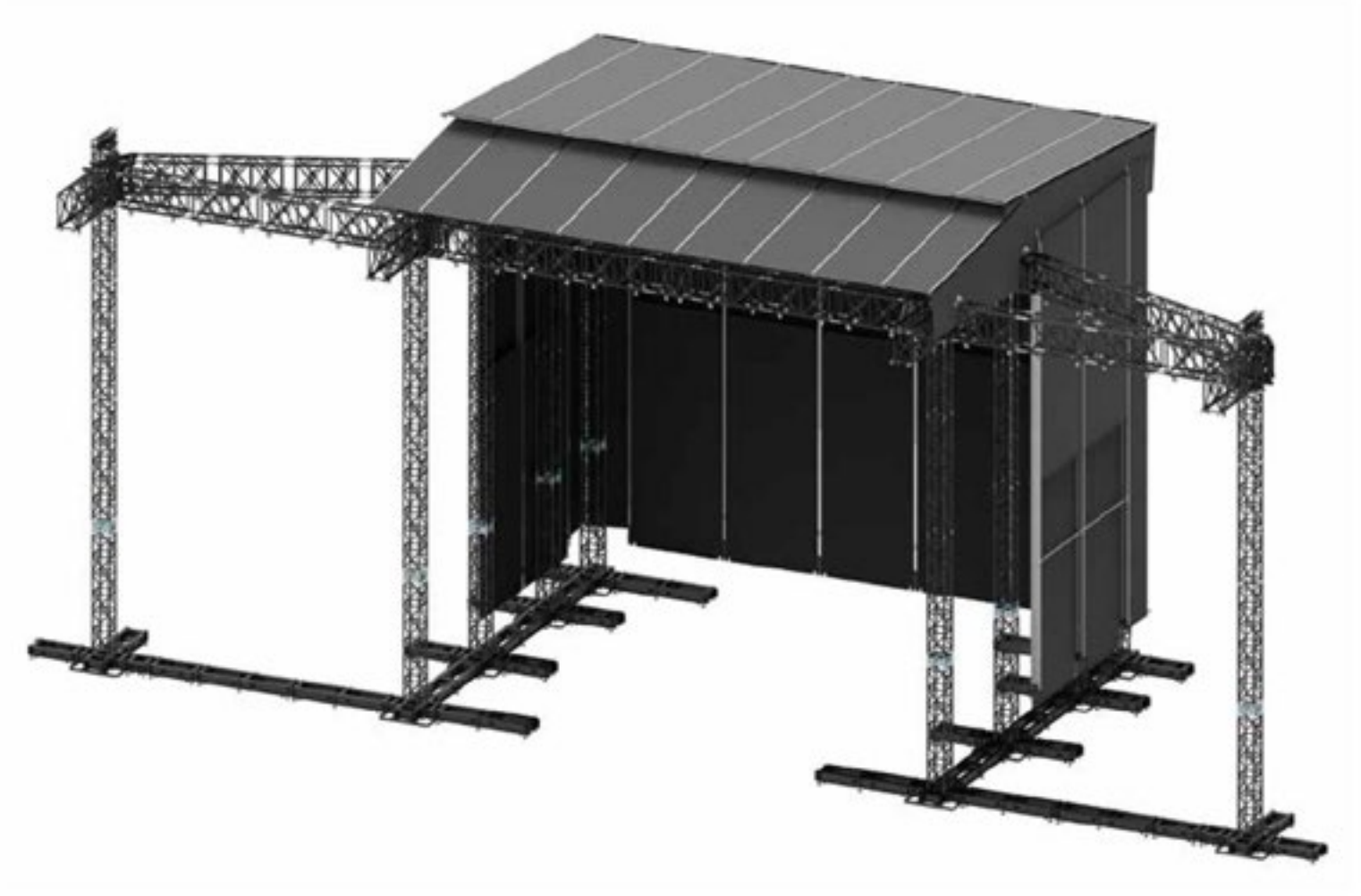
LITEC

TRUSSWORTHY PASSION



RELEASE 01

ROOF SYSTEMS

Roof Systems

Synthesis

LITEC has always been a forerunner in the search for safe and high-performance roof systems. The solutions available are numerous both for dimensions and typologies; from the smallest and lightest to the biggest thought for high load bearing capacity on wide spans.
Easy to build, these structures consist almost entirely of standard components. They are equipped with self-extinguishing roofing sheets, wind bracing kits and ballast accessories.

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

6x4 m

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 m³
Covered area/storage volume ratio**	→ 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.

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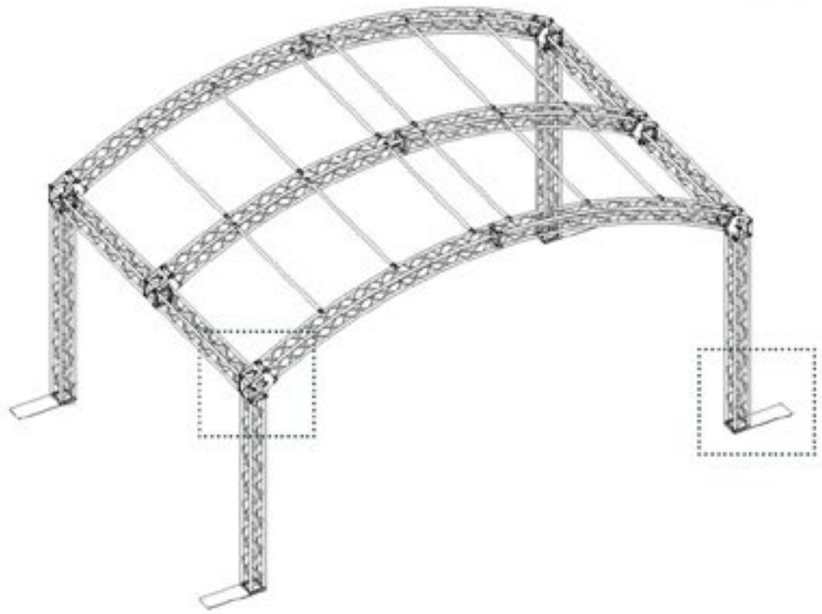
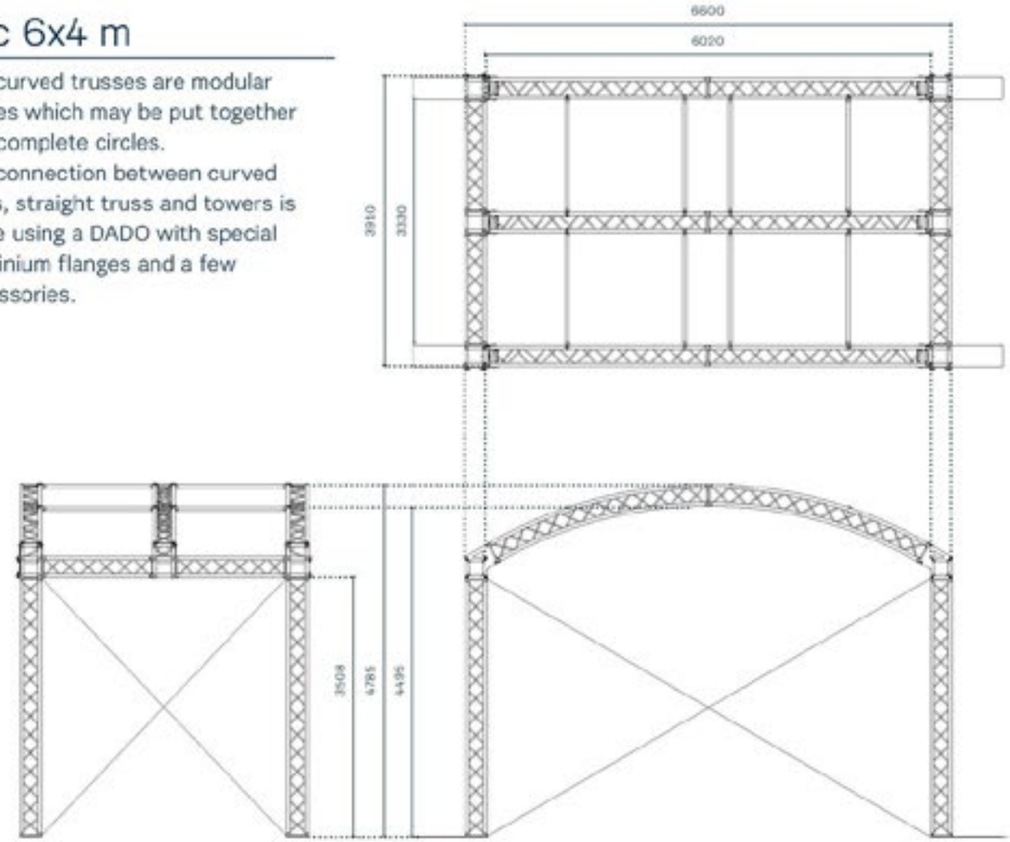


Arc 6x4 m

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.



Arc

8x6 m

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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 m³
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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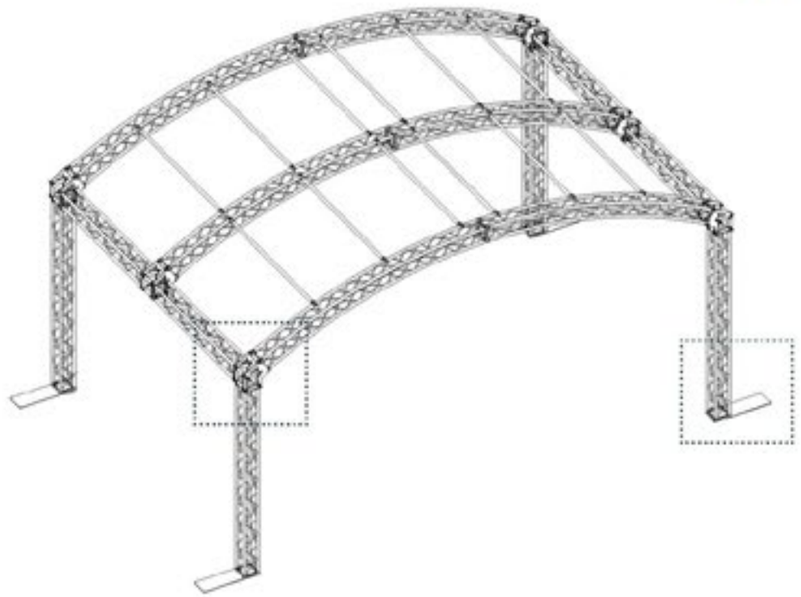

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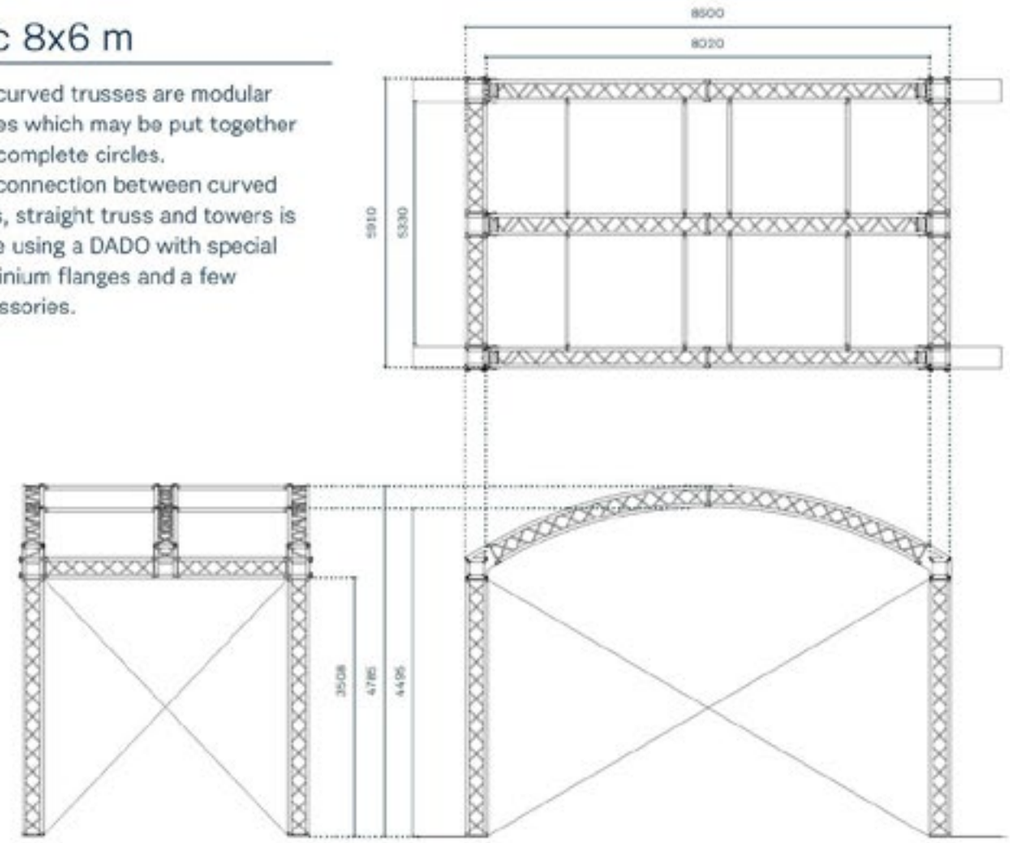

Single Pitch

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/m²

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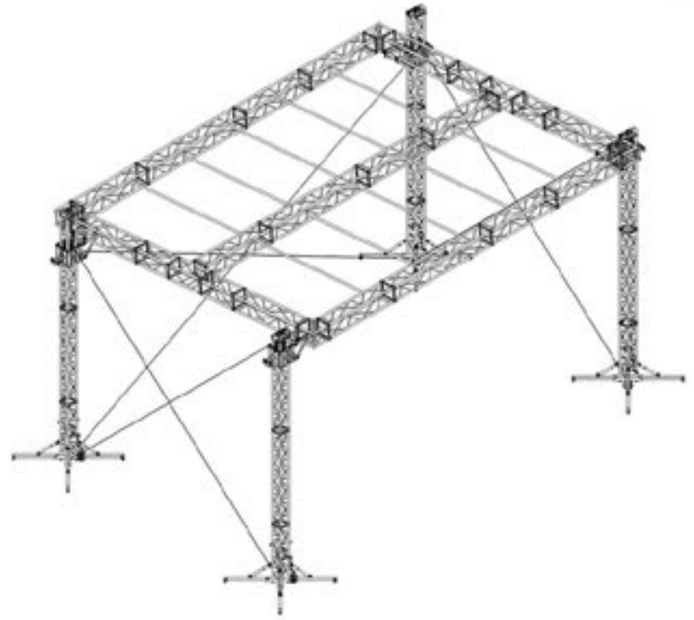
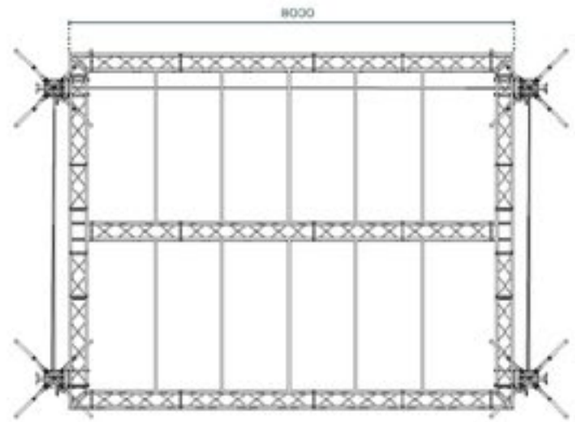
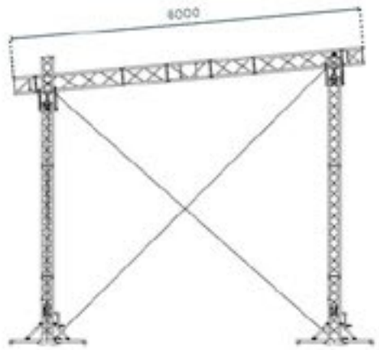
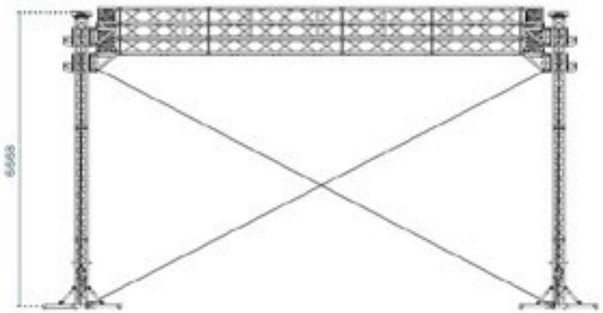


Single Pitch 8x6 m

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 m³
Covered area/storage volume ratio**	→	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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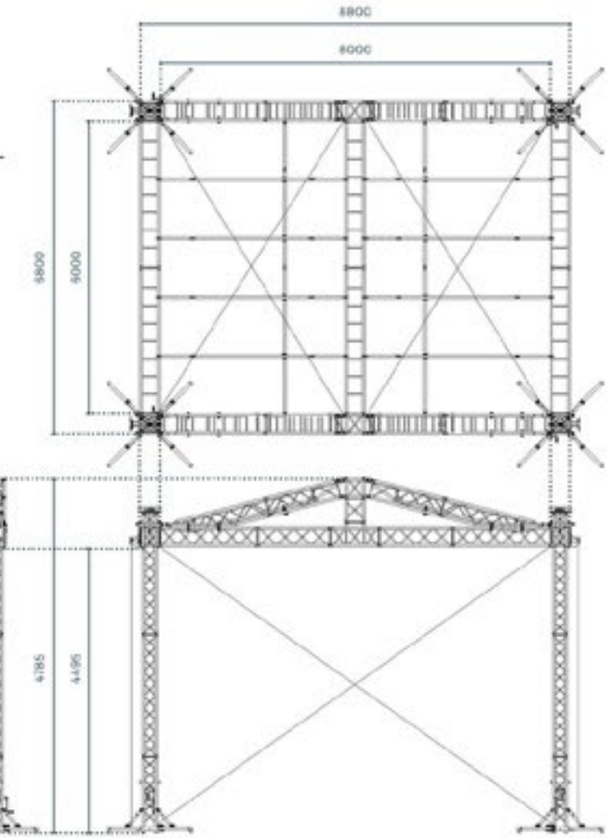
Double Pitch 8x6 m

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/m²

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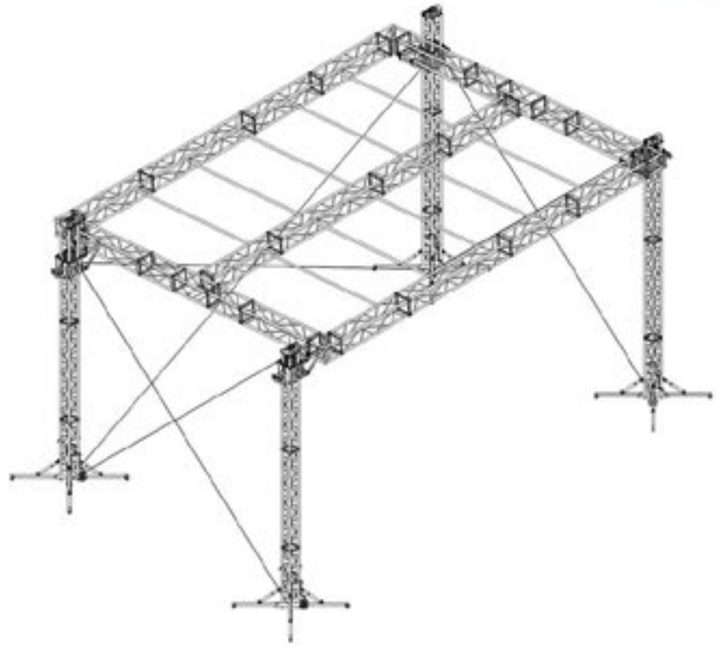
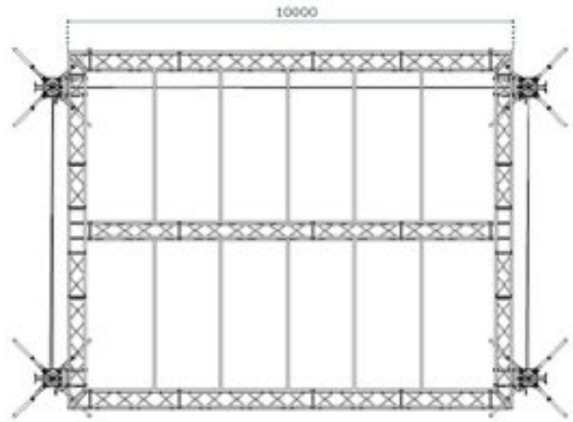
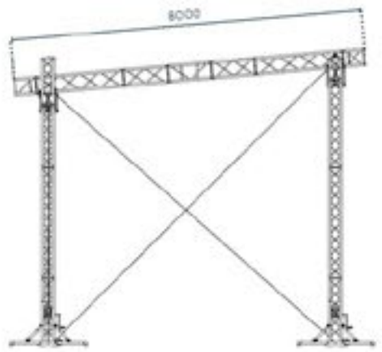
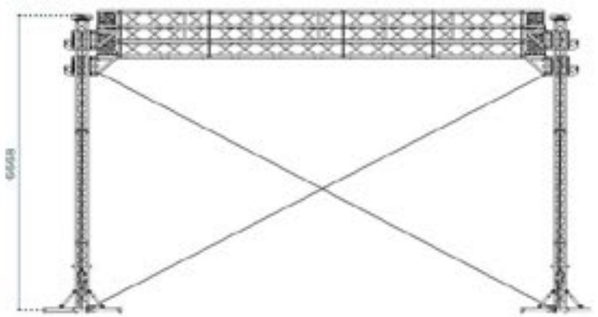


Single Pitch 10x8 m

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







Double Pitch

10x8 m

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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 m³
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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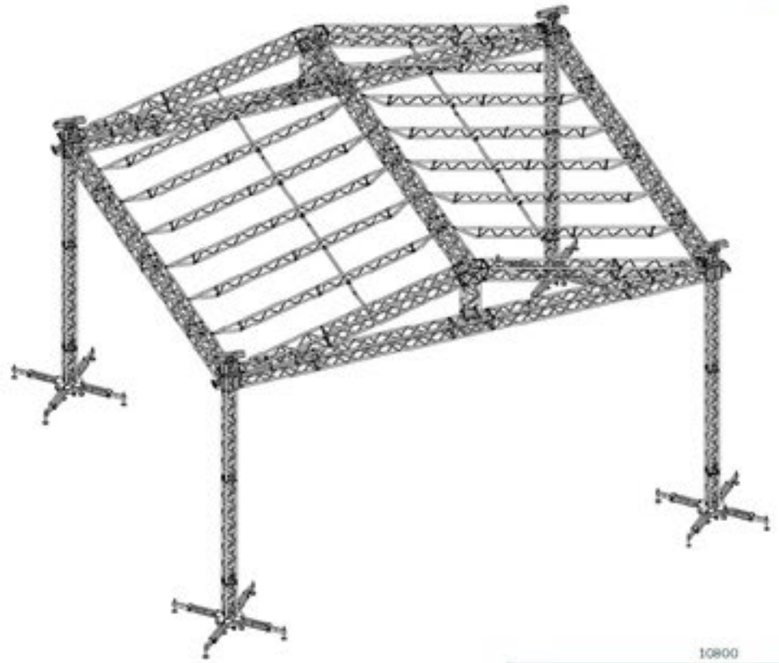

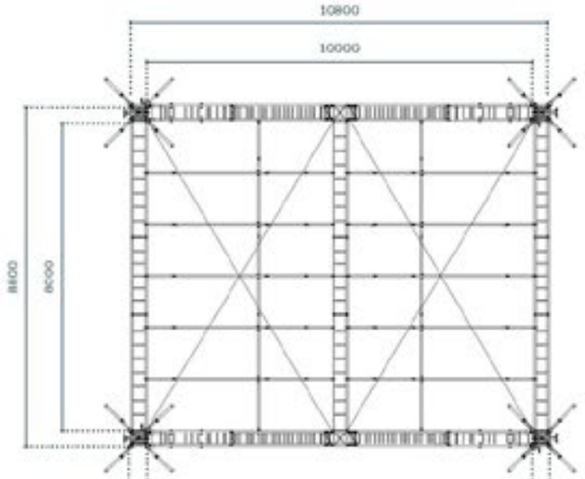

Double Pitch 10x8 m

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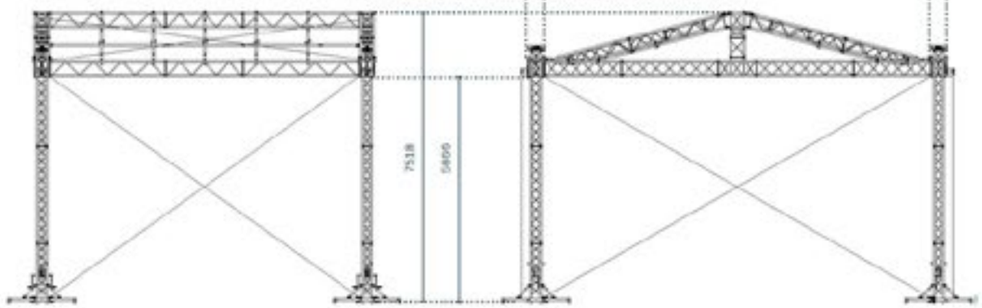

Double Pitch

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 m³
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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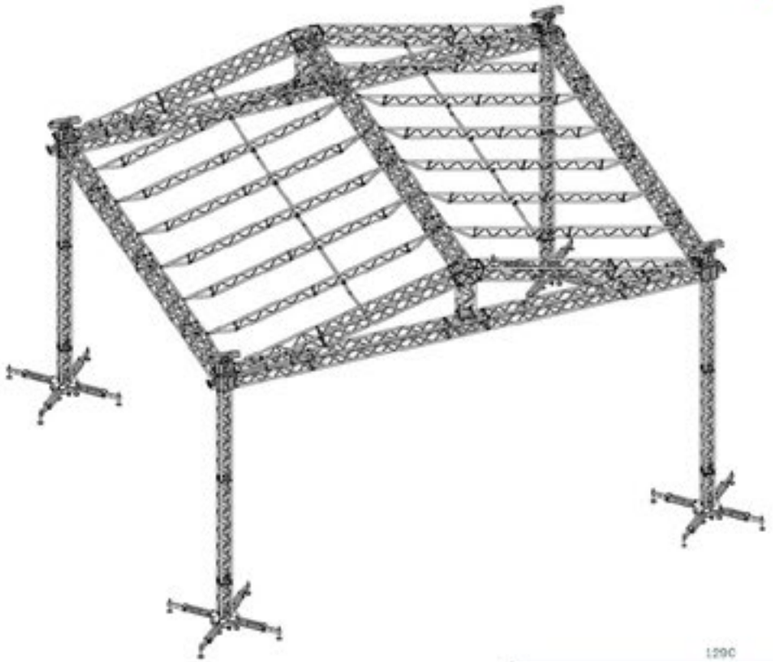
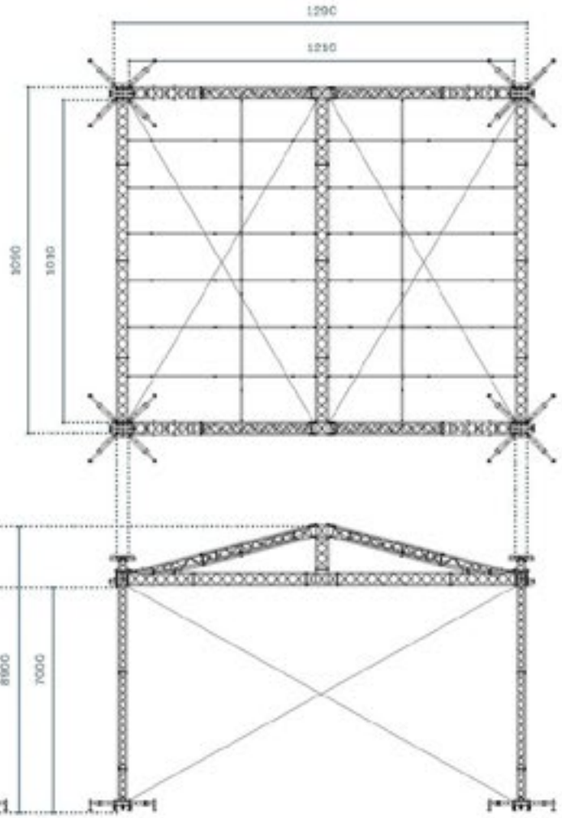


Double Pitch 12x10 m

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.



LIBERA STAR Trusses

Roof Systems

Infinity, in a few cubic meters

LIBERA is an open structural system. It is the only flat aluminium beam system in the world that can easily be used to create and build load-bearing structures in a virtually infinite number of shapes.

LIBERA roof systems consist of Maxitowers and a LIBERA grid structure.

LIBERA is made of "constant" elements, FL52, FL76 and FL105 flat beams, and "variable" elements which make it extremely versatile. Not just straight: LIBERA can be "bent" and used to create rounded components simply by adding small accessories to normal trusses.

LIBERA FL52

Single Pitch 14x12 m

LIBERA is an open structural system.
Roof systems in LIBERA 52 consist of Maxitowers and a LIBERA FL52 grid structure.
The actual span can reach 16 metres, to which side wings may be added.

Dimensions		14x12 m
Heights range*	→	from 6 to 9 m
Main truss	→	LIBERA FL52
Towers	→	4 x Varitower 3-40
Uniformly distributed load UDL **	→	5000 kg ≈
Chain hoists	→	1000 kg
Total weight	→	3670 kg
Volume	→	22 m³
Set-up time & number of workers	→	4 hrs / 4 w

* Range suggested according to the dimensions of the roof system.

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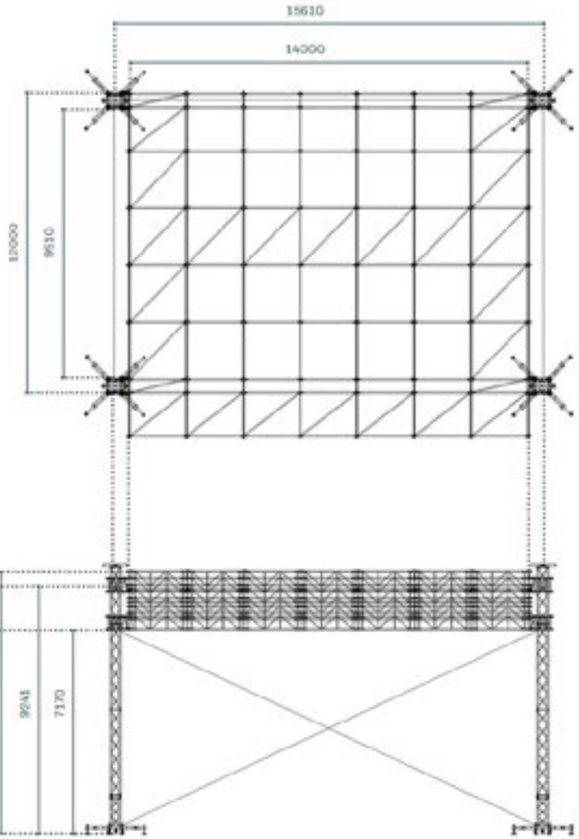

LIBERA FL52

Single Pitch 14x12 m

Some standard configurations are available, but – as always in the case of LIBERA – countless solutions are possible thanks to the modular system.

LIBERA FL52

Double Pitch 14x12 m

LIBERA is an open structural system.
Roof systems in LIBERA 52 consist of
Maxitowers and
a LIBERA FL52 grid structure.
The actual span can reach
16 metres, to which side wings
may be added.

Dimensions		14x12 m
Heights range*	→	from 7 to 11 m
Main truss	→	LIBERA FL52
Towers	→	4 x Maxitower 40
Uniformly distributed load UDL **	→	5000 kg ≈
Chain hoists	→	1000 kg
Total weight	→	4765 kg
Volume	→	30 m³
Set-up time & number of workers	→	4 hrs / 4 w

* Range suggested according to the dimensions of the roof system.

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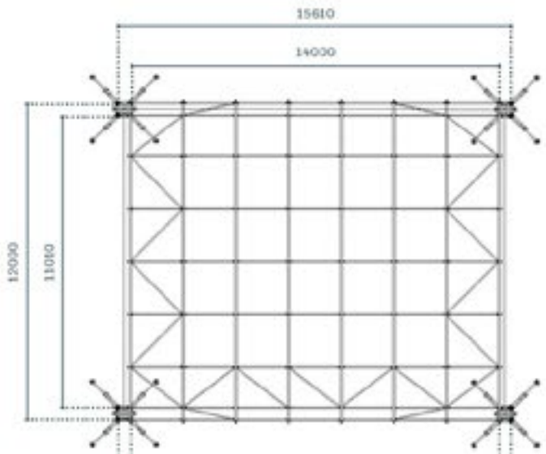

LIBERA FL52

Double Pitch 14x12 m

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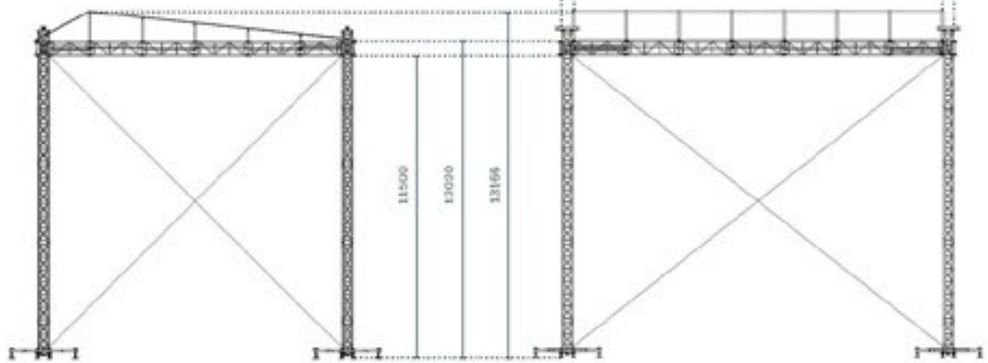

LIBERA FL76

Single Pitch 15x13 m

LIBERA is an open structural system.
Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure.
With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions		15x13 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	4 x Maxitower 52
Uniformly distributed load UDL **	→	5000 kg ≈
Chain hoists	→	1000-2000 kg
Total weight	→	4280 kg
Volume	→	33 m³
Set-up time & number of workers	→	5 hrs / 4 w

* Range suggested according to the dimensions of the roof system.

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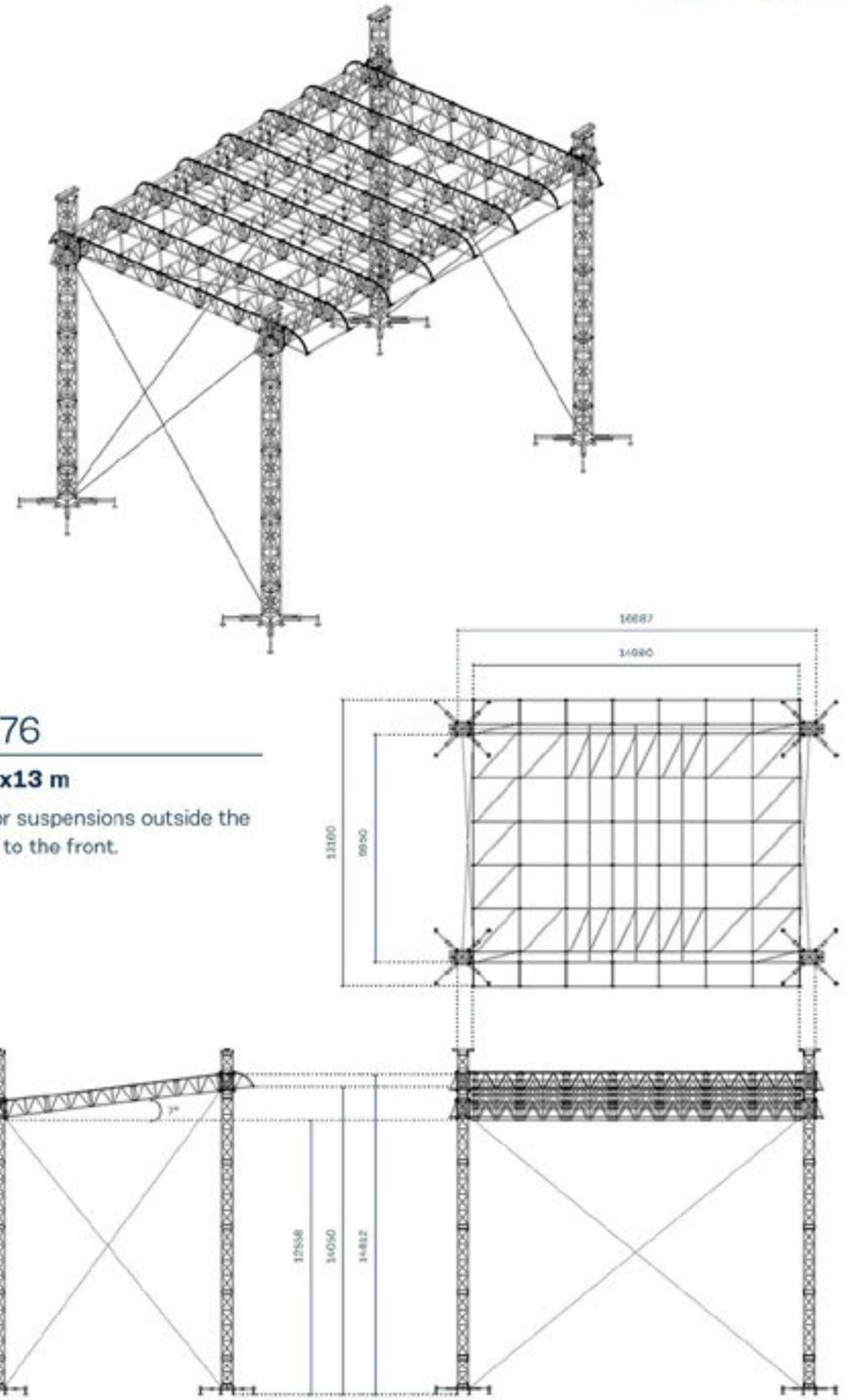

LIBERA FL76

Single Pitch 15x13 m

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

LIBERA Alusfera 1.0 16x8 m

Alusfera is another way of using LIBERA, again starting from standard components with the addition of a few special accessories. The horizontal roof of one configuration may become a quarter sphere in another to accommodate a whole stage, with the performance of a "real" stage, including large applied loads, large roofed areas, and very small transport volumes.

Dimensions		16x8 m
Heights range*	→	8 m
Main truss	→	LIBERA FL52
Towers	→	//
Uniformly distributed load UDL **	→	4500 kg ≈
Chain hoists	→	//
Total weight	→	2000 kg
Volume	→	11 m³
Set-up time & number of workers	→	5 hrs / 4 w

* Height suggested according to the dimensions of the roof system.

** 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.

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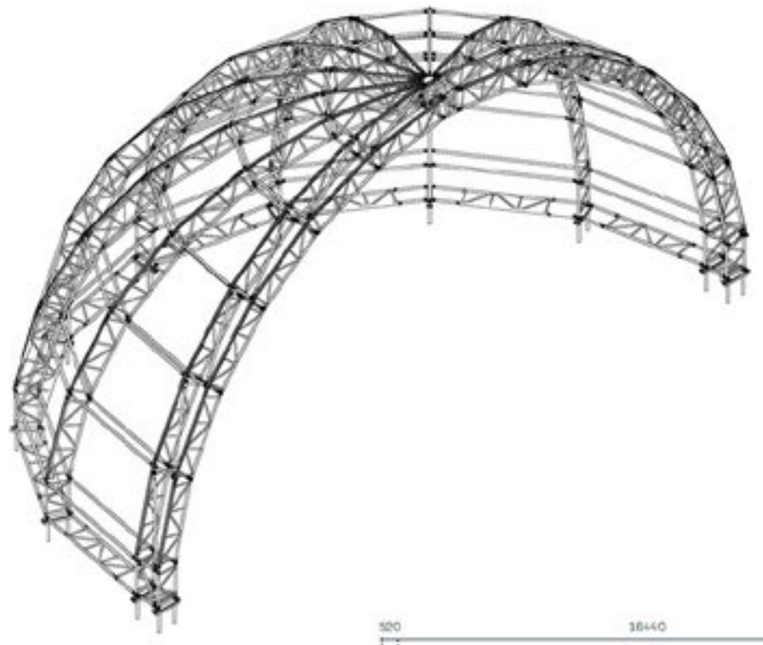
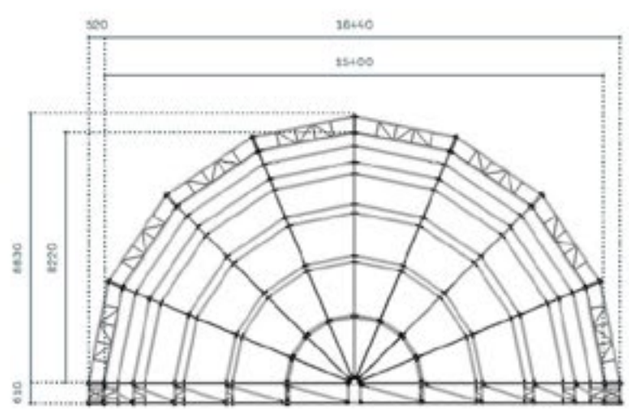
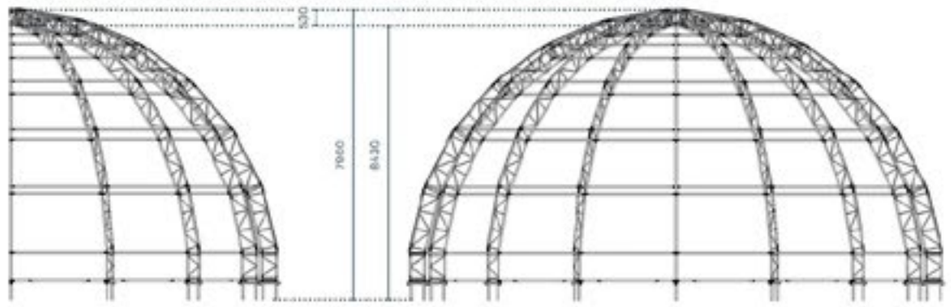




Alusfera 1.0 16x8 m

It is a very impressive structure that may be used purely as part of the scenery, even without roofing sheets.



LIBERA FL52

Double Pitch 16x12 m

LIBERA is an open structural system.
Roof systems in LIBERA 52 consist of
Maxitowers and
a LIBERA FL52 grid structure.
The actual span can reach
16 metres, to which side wings
may be added.

Dimensions		16x12 m
Heights range*	→	from 7 to 11 m
Main truss	→	LIBERA FL52
Towers	→	4 x Maxitower 40
Uniformly distributed load UDL **	→	4500 kg ≈
Chain hoists	→	1000 kg
Total weight	→	5075 kg
Volume	→	31 m³
Set-up time & number of workers	→	4 hrs / 4 w

* Height suggested according to the dimensions of the roof system.

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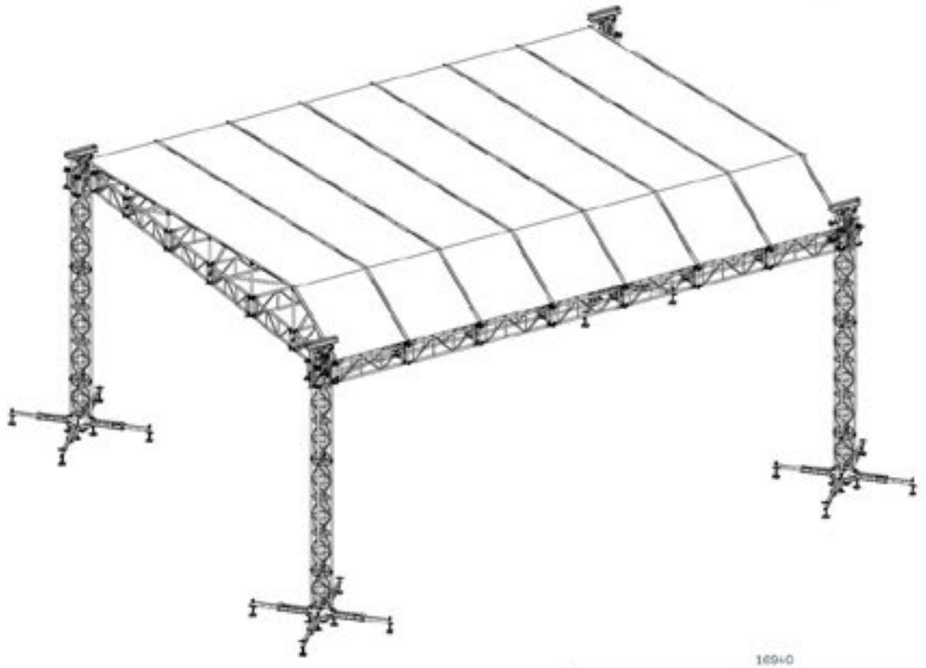
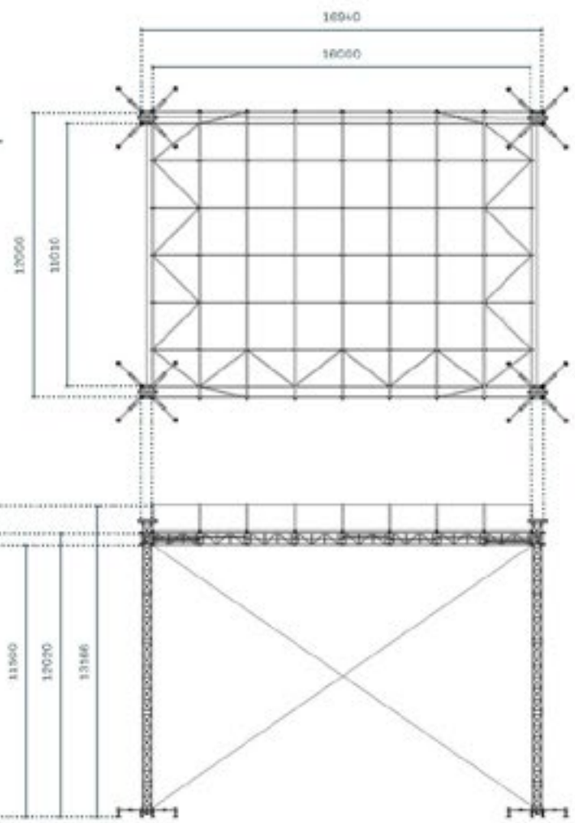


LIBERA FL52

Double Pitch 16x12 m

Some standard configurations are available, but – as always in the case of LIBERA – countless solutions are possible thanks to the modular system.



LIBERA FL76

Single Pitch 17x13 m

LIBERA is an open structural system.
Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure.
With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions		17x13 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	4 x Maxitower 52
Uniformly distributed load UDL **	→	7500 kg ≈
Chain hoists	→	1000-2000 kg
Total weight	→	4520 kg
Volume	→	34 m³
Set-up time & number of workers	→	5 hrs / 4 w

* Range suggested according to the dimensions of the roof system.

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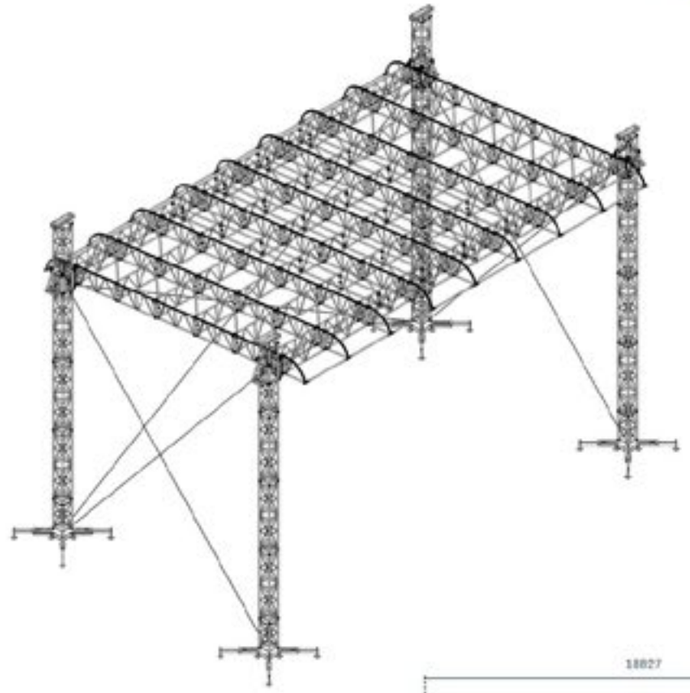
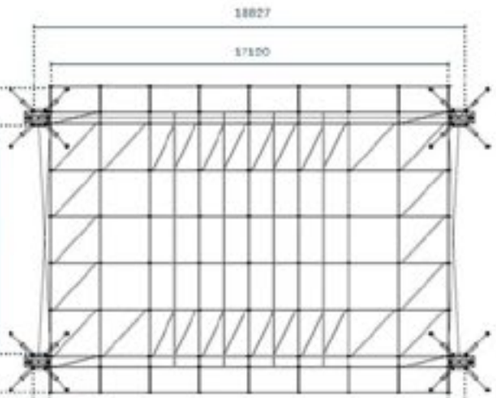
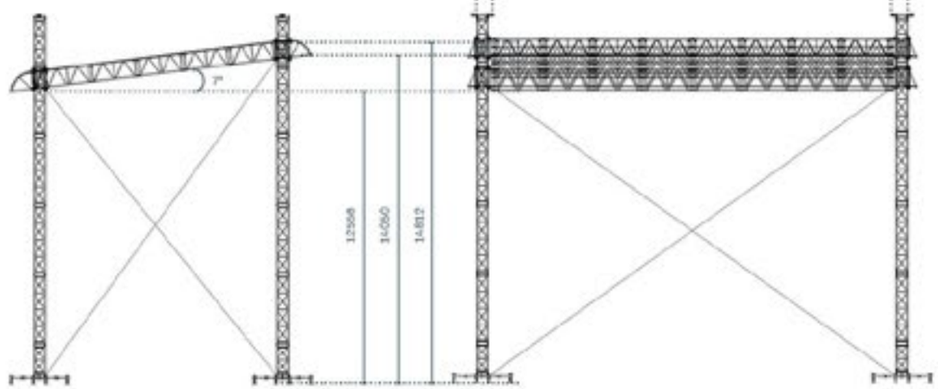




LIBERA FL76

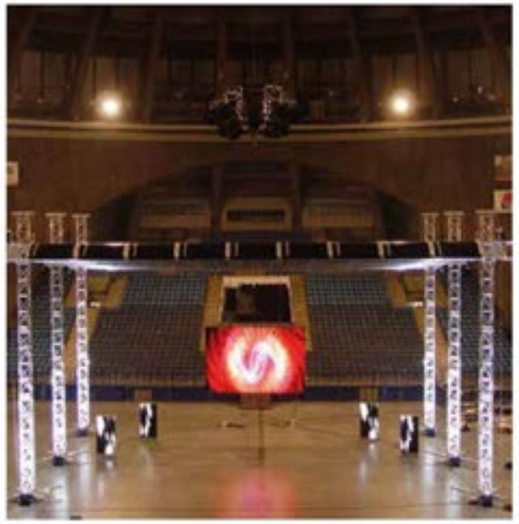
Single Pitch 17x13 m

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



LIBERA FL76

Double Pitch 17x13 m



LIBERA is an open structural system. Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure. For the double-pitch version normal LIBERA FL76 trusses are used with the addition of support systems and sliding guides for the roofing sheet, which are fixed to the grid. This arrangement has the advantage of having a horizontal hanging plane.

Dimensions		17x13 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	12000 kg ≈
Chain hoists	→	1000-2000 kg
Total weight	→	7000 kg
Volume	→	60 m³
Set-up time & number of workers	→	5 hrs / 5 w

* Range suggested according to the dimensions of the roof system.

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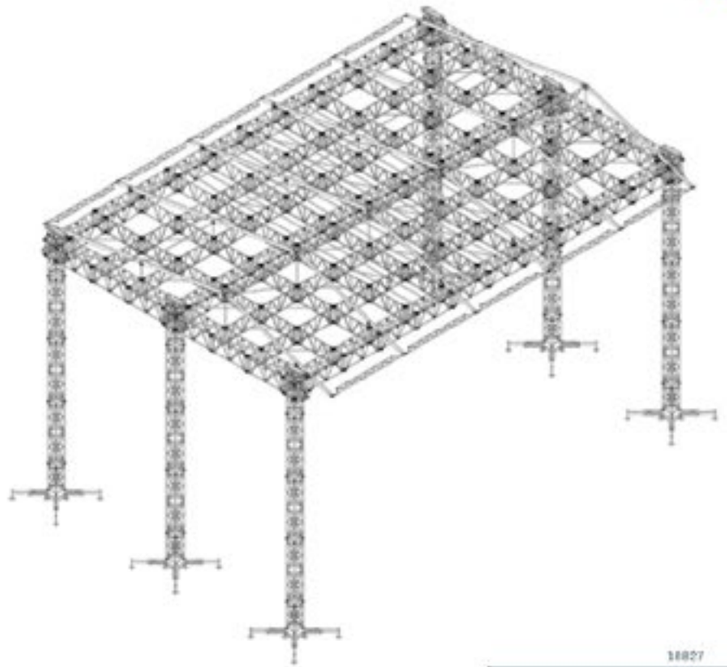
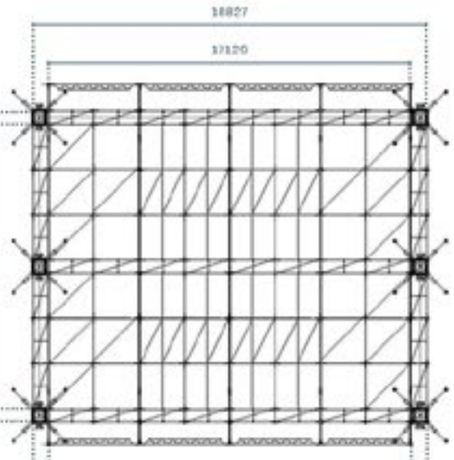
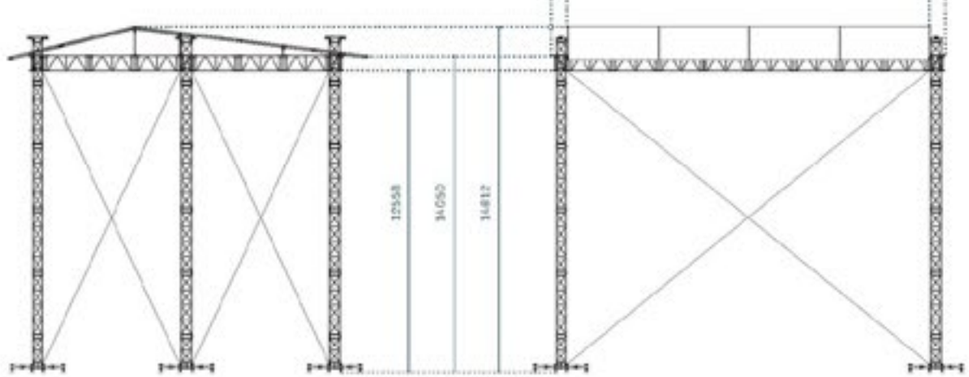




LIBERA FL76

Double Pitch 17x13 m

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



LIBERA FL76

Single Pitch 19x16 m

LIBERA is an open structural system.
Roof systems in LIBERA 76 consist of Maxitowers and
a LIBERA FL76 grid structure.
With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions		19x16 m
Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	10000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	7880 kg
Volume	→	65 m³
Set-up time & number of workers	→	6 hrs / 5 w

* Range suggested according to the dimensions of the roof system.

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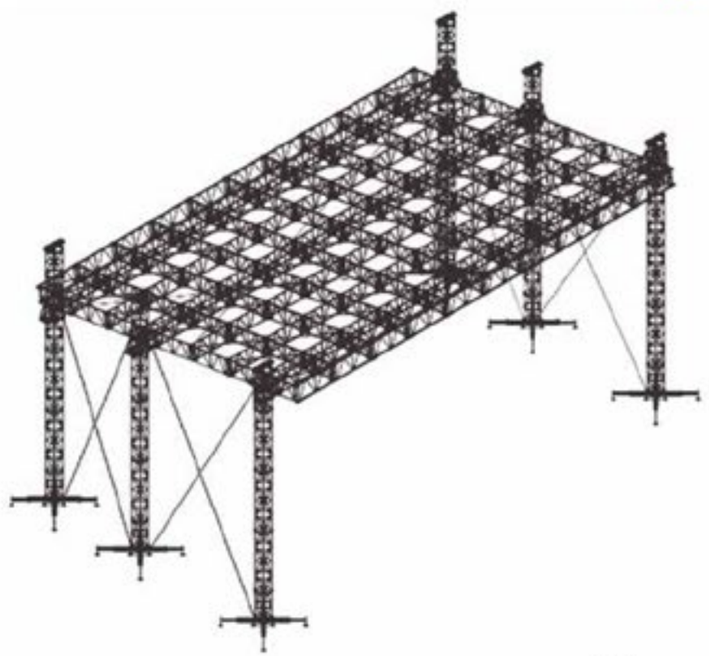

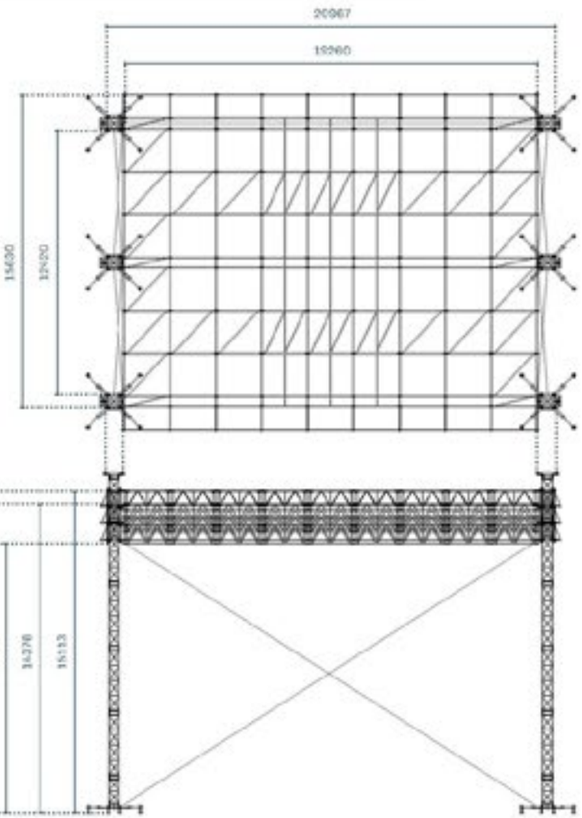

LIBERA FL76

Single Pitch 19x16 m

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

LIBERA FL76

Double Pitch 19x13 m

LIBERA is an open structural system.
Roof systems in LIBERA 76 consist of Maxitowers and a LIBERA FL76 grid structure.
With the single-pitch roof, the upper grid structure consists of trusses with built-in LIBERA FL76R roofing sheet guides.

Dimensions 19x13 m

Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	11000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	7700 kg
Volume	→	65 m³
Set-up time & number of workers	→	6 hrs / 5 w

* Range suggested according to the dimensions of the roof system.

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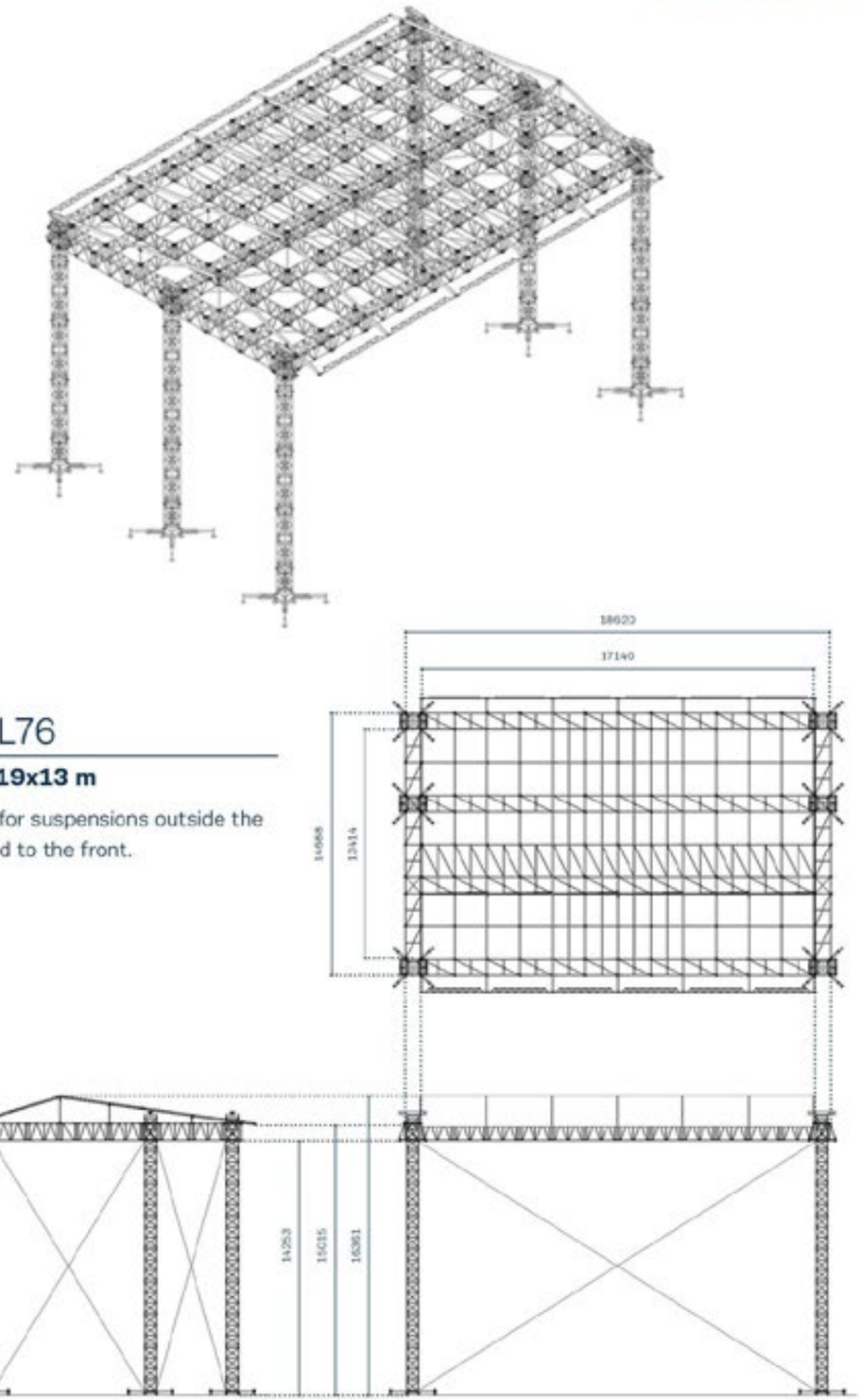

LIBERA FL76

Double Pitch 19x13 m

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

LIBERA FL105 Double Pitch 20x16 m

This is the largest roof system in the LIBERA range, and one of the biggest and best performing on the market.
It is based on the LIBERA concept and consists of Maxitower 76 and LIBERA FL105 trusses. It is imposing and sturdy, and is – in itself – the most spectacular element of the show.
The structure has excellent technical specifications and is highly modular.

Dimensions 20x16 m

Heights range*	→	from 10 to 16 m
Main truss	→	LIBERA FL105
Towers	→	6 x Maxitower 76
Uniformly distributed load UDL **	→	15000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	11700 kg
Volume	→	112 m³
Set-up time & number of workers	→	6 hrs / 6 w

* Range suggested according to the dimensions of the roof system.

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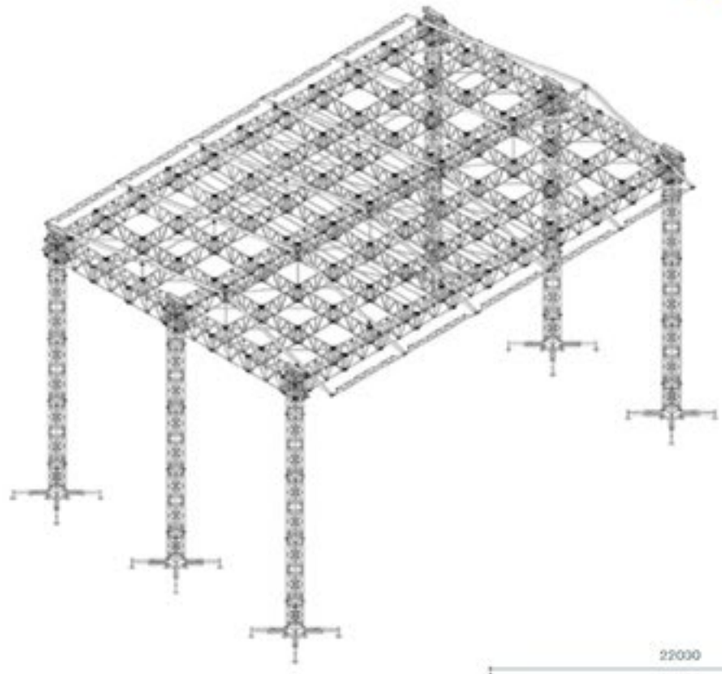
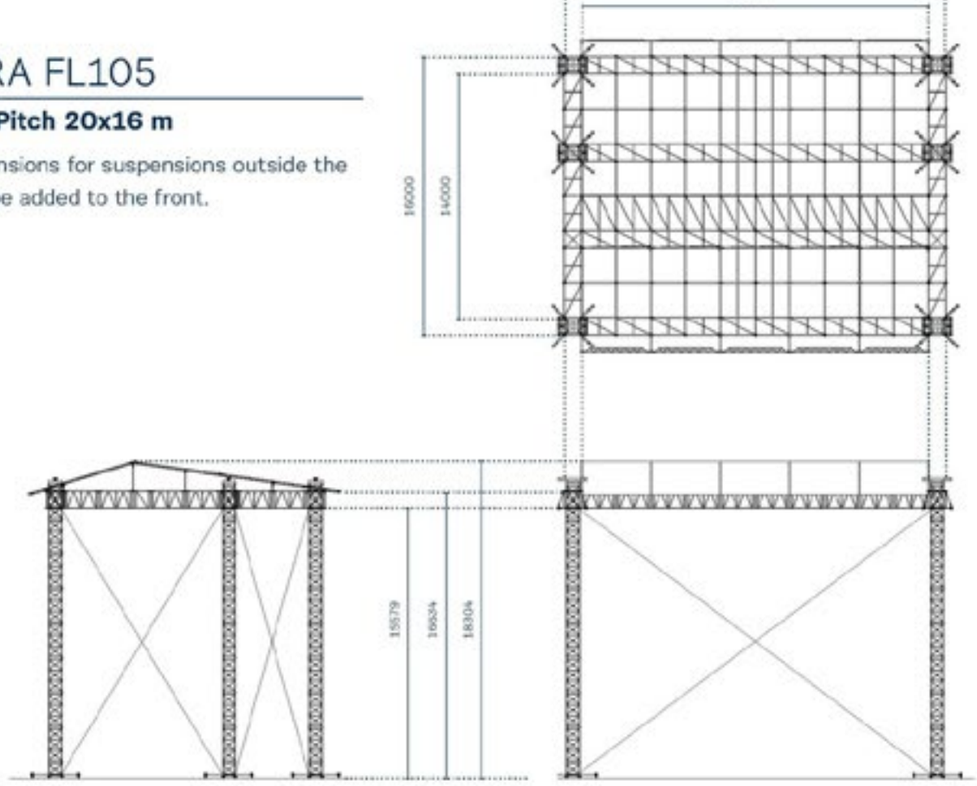


LIBERA FL105

Double Pitch 20x16 m

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



Alusfera 2.0

21.5x11.5 m

Alusfera is another way of using LIBERA, again starting from standard components with the addition of a few special accessories. It is a very impressive structure that may be used purely as part of the scenery, even without roofing sheets. Compared to the first version, Alusfera 2 has been designed with the addition of frontal and rear arches, a new ridge, a new solution to fix the main arches to the ground and an alternative for setting up.

Dimensions 21.5x11.5 m

Heights range*	→	11.5 m
Main truss	→	LIBERA FL76
Towers	→	//
Uniformly distributed load UDL **	→	6500 kg ≈
Chain hoists	→	//
Total weight	→	3700 kg
Volume	→	18 m³
Set-up time & number of workers	→	6 hrs / 5 w

* Height suggested according to the dimensions of the roof system.

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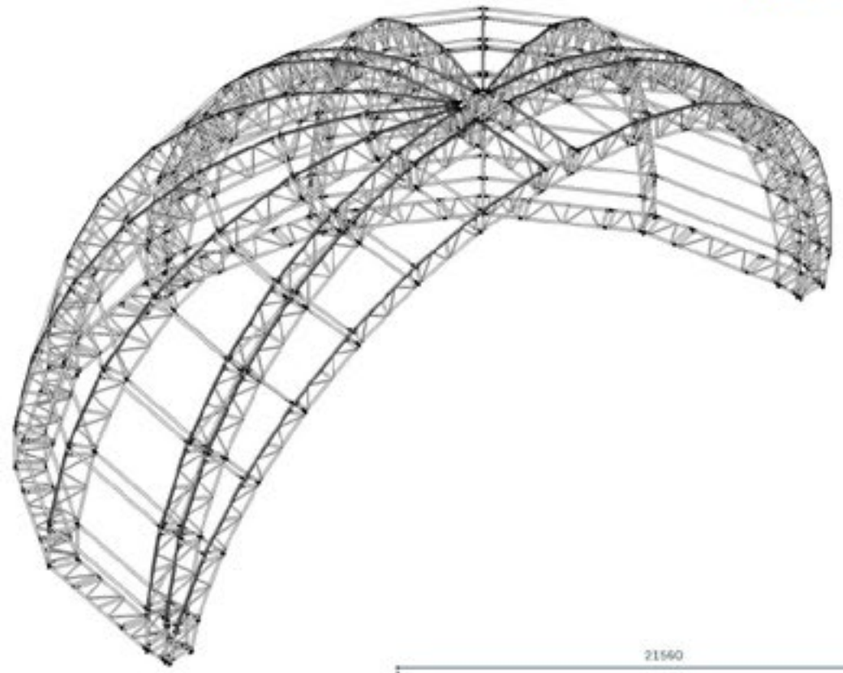
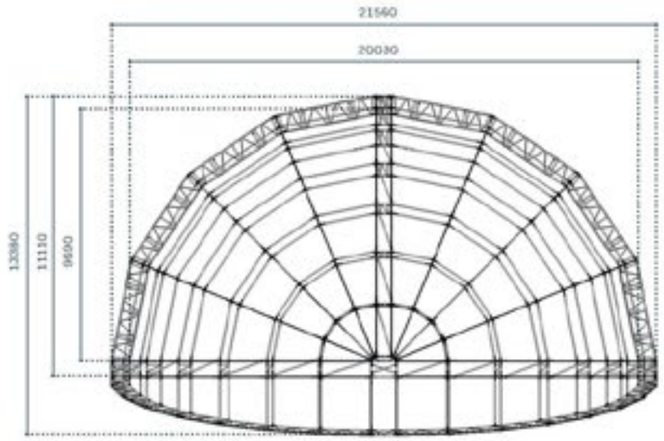
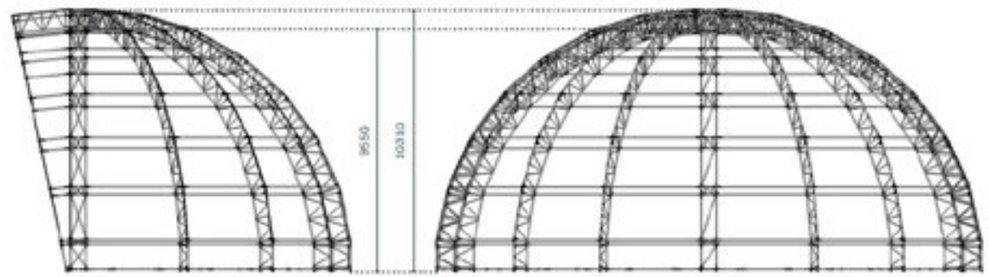


LIBERA Alusfera 2.0

These innovations limit rain exposure, make assembly operations easier and increase load capacity.





LIBERA Tunnel

22x19 m

Not just straight: LIBERA can be "bent" and used to create rounded components simply by adding small accessories to normal trusses.
With simple stratagems you can go from flat systems to arched systems and vice versa. Tunnels may be created with front or side roof ridges.

Dimensions

22x19 m

Heights range*	→	from 8 to 14 m
Main truss	→	LIBERA FL76
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	13000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	9700 kg
Volume	→	62 m³
Set-up time & number of workers	→	8 hrs / 8 w

* Range suggested according to the dimensions of the roof system.

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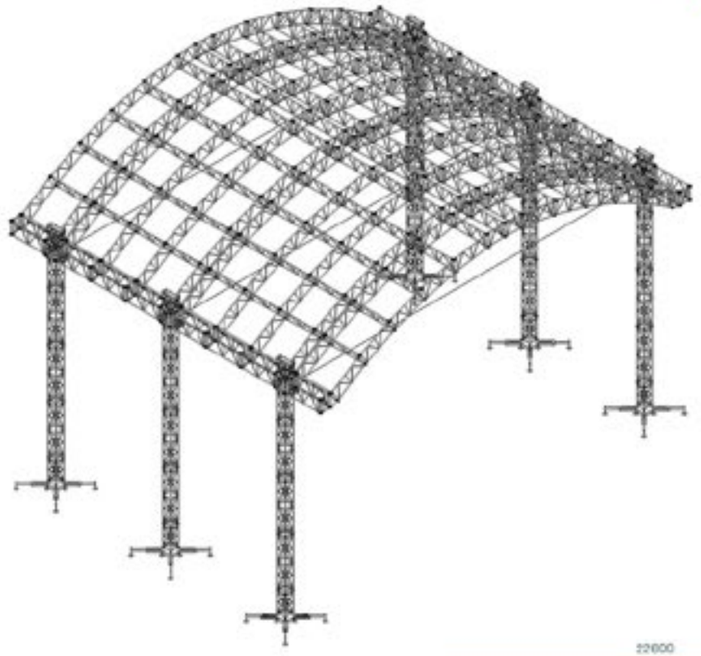
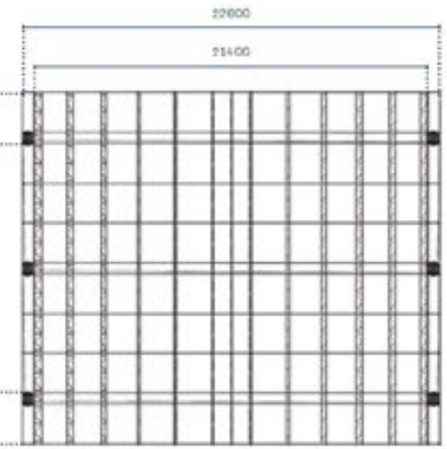
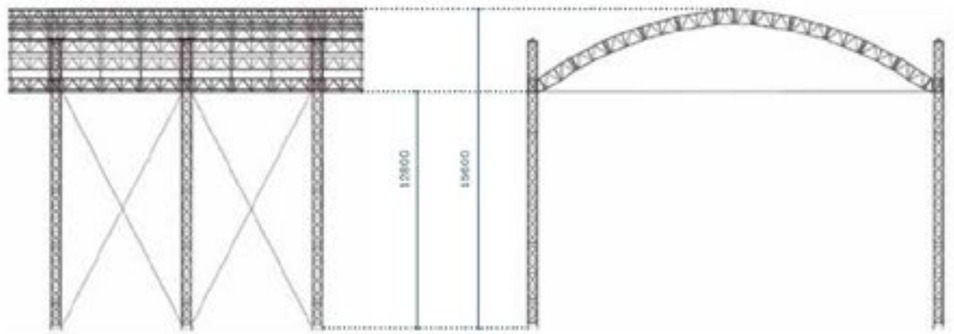


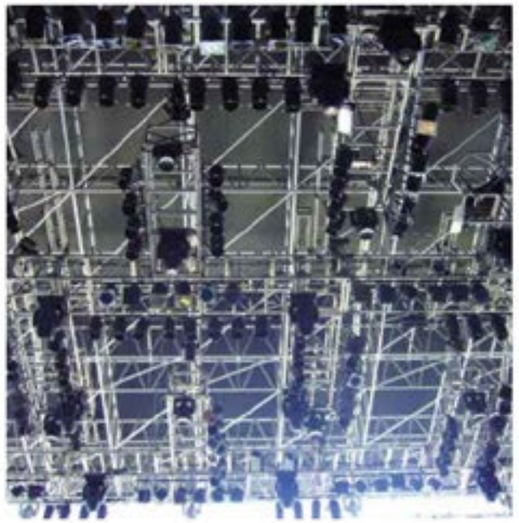


LIBERA Tunnel 22x19 m

No other product in this sector is so versatile, and riggers who fully understand the concept are able to assemble different structures each time. Rounded systems may be built with all LIBERA FL52, FL76 and FL105 models.



LIBERA FL105 Double Pitch 24x16 m



This is the largest roof system in the LIBERA range, and one of the biggest and best performing on the market.
It is based on the LIBERA concept and consists of Maxitower 76 towers and LIBERA FL105 trusses. It is imposing and sturdy, and is – in itself – the most spectacular element of the show.
The structure has excellent technical specifications and is highly modular.

Dimensions 24x16 m

Heights range*	→	from 10 to 16 m
Main truss	→	LIBERA FL105
Towers	→	6 x Maxitower 76
Uniformly distributed load UDL **	→	14000 kg ≈
Chain hoists	→	2000 kg
Total weight	→	12800 kg
Volume	→	116 m³
Set-up time & number of workers	→	6 hrs / 6 w

* Range suggested according to the dimensions of the roof system.

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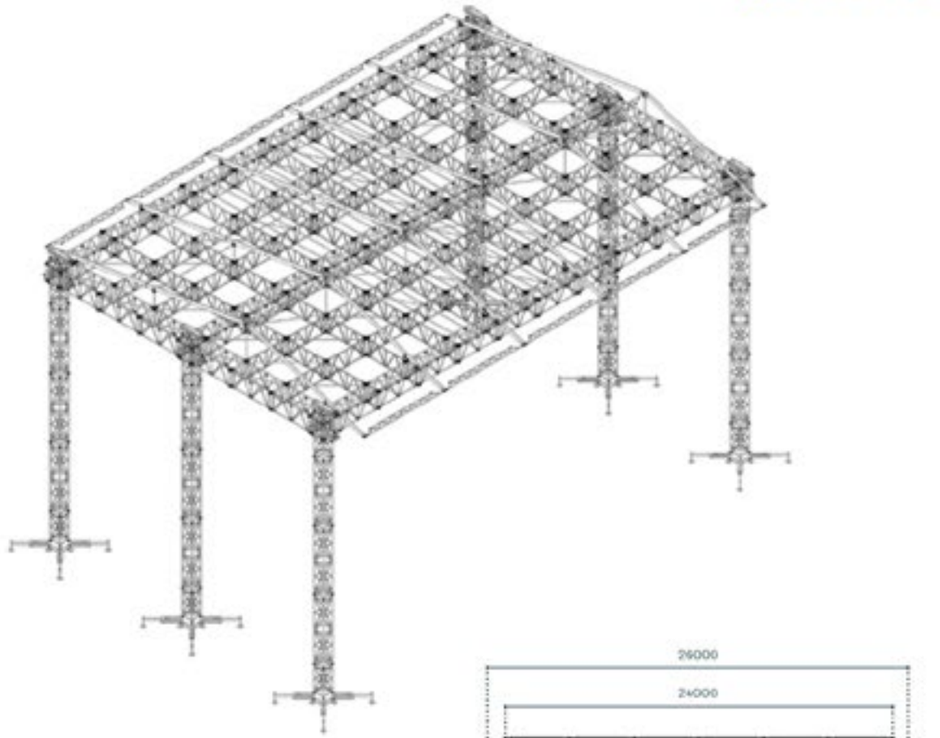
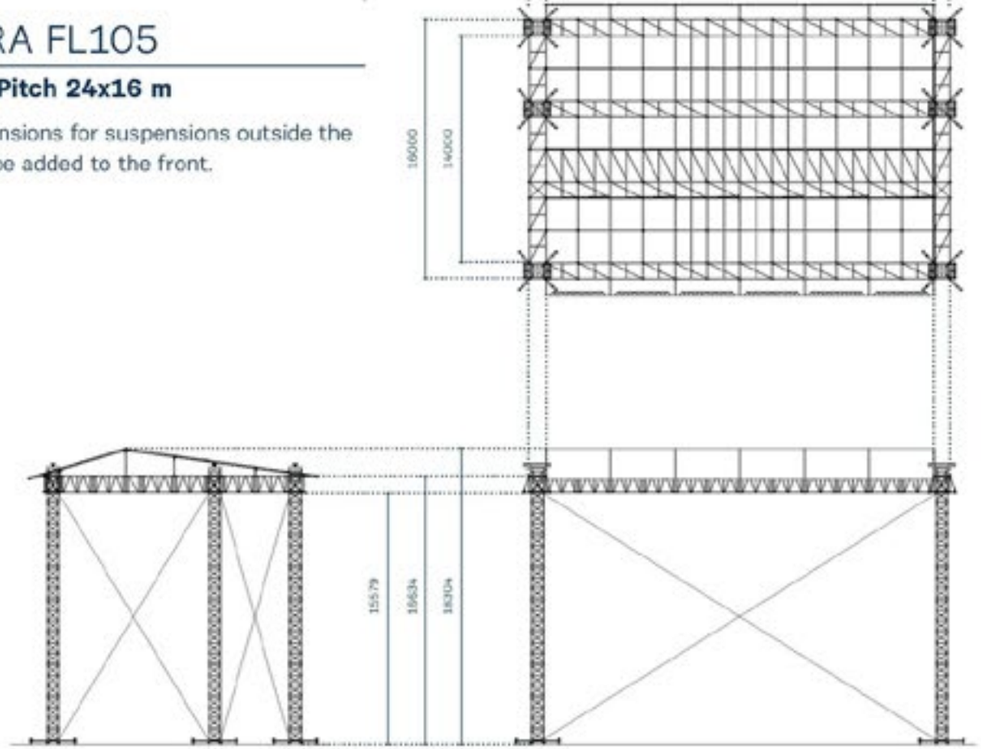


LIBERA FL105

Double Pitch 24x16 m

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



Terrace Stand Roofing

This roof system for sports derives from the LIBERA modular concept.
It uses trapezoidal flat section trusses which give the structure a streamlined look and the necessary slope for water to run off. Being completely overhanging, it does not need support pillars. The maximum overhang possible is 8 metres from the back wall, provided the stand structure is sufficiently ballasted.

Dimensions

FL10075200R HL trapez. flat truss	100/75 cm section	2 metres long
FL7550200R HL trapez. flat truss	75/50 cm section	2 metres long
FL5035200R HL trapez. flat truss	50/35 cm section	2 metres long
FL3520200R HL trapez. flat truss	35/20 cm section	2 metres long

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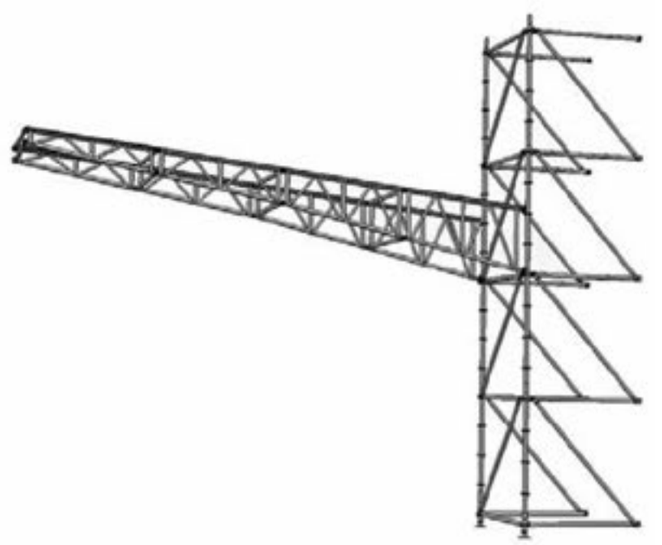
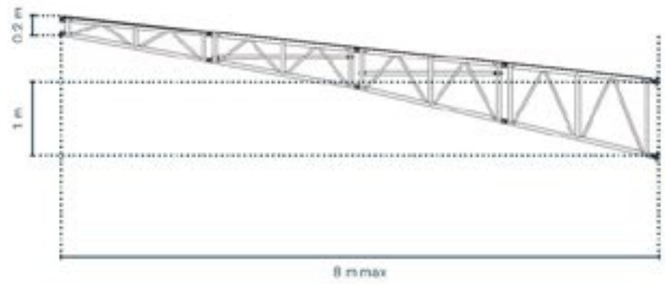
Terrace stand roofing

LITEC only provides the roof system and connection components compatible with the most important makes of multidirectional scaffolding.





FORK Trusses
Roof Systems

Load carrying capacity

These roof systems are high-performance structures that feature a connection made through steel forks. This line was designed when a high loading capacity is required together with wide spans.

They consist of Maxitowers and load bearing trusses with universal fork connections for high-end solutions. Their impressive load bearing and sturdy constructions provide the safety you require, while lending an air of style to your events.

Perfectly in line with international standard dimensions, they are totally integrated with the LIBERA system.

QL40A

Single Pitch 14x10 m

A single pitch 14 x 10 m metre roof that's the smallest available with a fork connection. At this size, it serves as a bridge between small and medium events. Its impressive load bearing and sturdy construction provide the safety you require, while lending an air of style to your events.

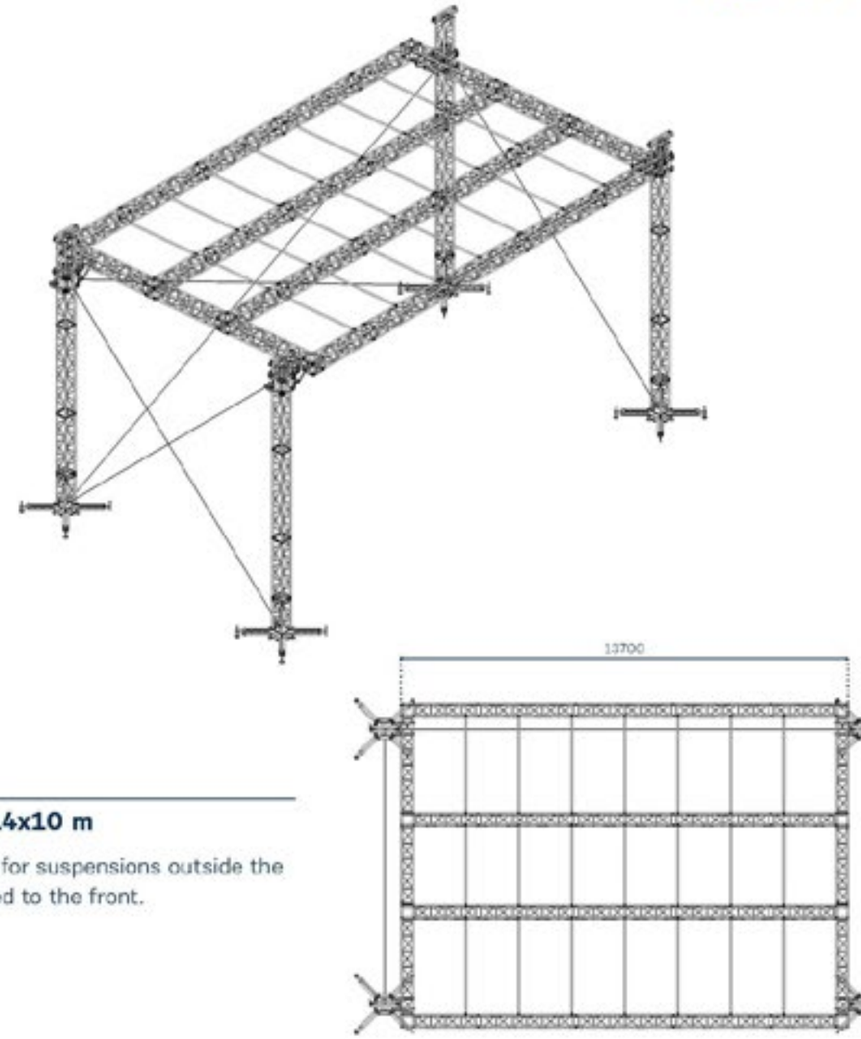
Dimensions — 14x10 m

Height range*	→	9.5 m
Main truss	→	QL40A
Towers	→	Varitower 3-40
Uniformly distributed load UDL**	→	6200 kg
Chain hoist	→	1 ton
Trusses for lifter	→	QH40SA
Trusses for roof	→	QL40A
Roffing sheet	→	Self-extinguishing Class 2 - 650 g/m²

* 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.

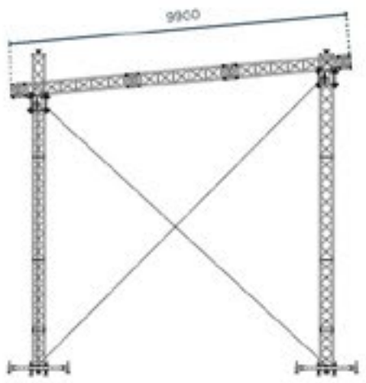
The examples and data shown on these pages are necessarily indicative owing to the extreme variability of the conditions in which the structures may be assembled. Each installation must be provided with a suitable quantity of ballast, as shown on the product certificates. This line of structures was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

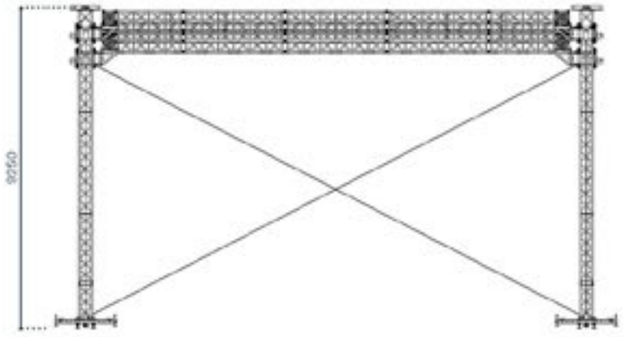


QL40A

Single Pitch 14x10 m

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





QL52A

Double Pitch 15x12 m

High Load roof systems are particularly suitable for medium-sized covered structures.
They consist in load bearing trusses with universal fork connections for high-end solutions.

Dimensions 15x12 m

Heights range*	→	from 7 to 11 m
Main truss	→	QL52A
Towers	→	4 x Maxitower 40
Uniformly distributed load UDL **	→	7000 kg
Chain hoists	→	1000 kg
Total weight	→	6700 kg
Volume	→	45 m³
Set-up time & number of workers	→	4 hrs / 5 w

* Range suggested according to the dimensions of the roof system.

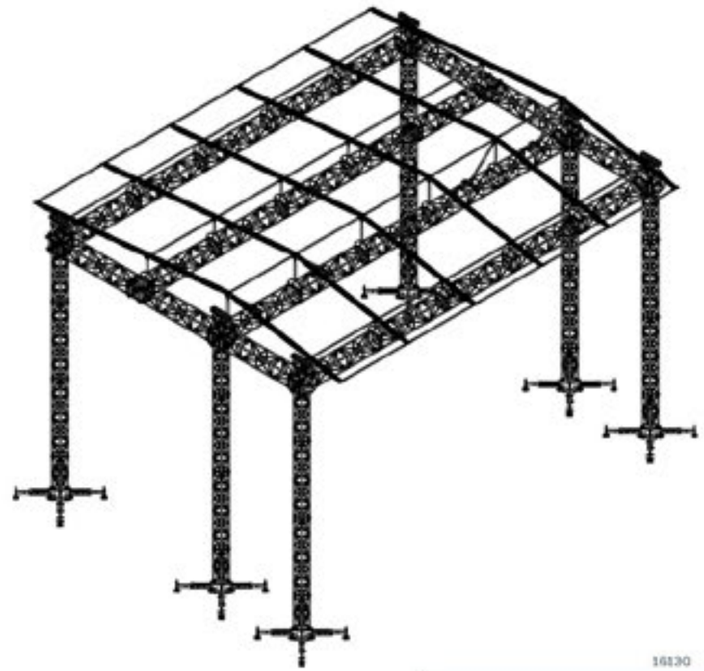
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

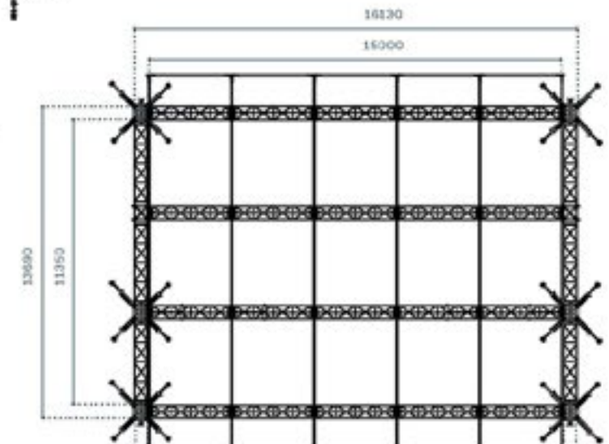
For details and further information, please consult the technical specifications or contact our engineering department or distributors.

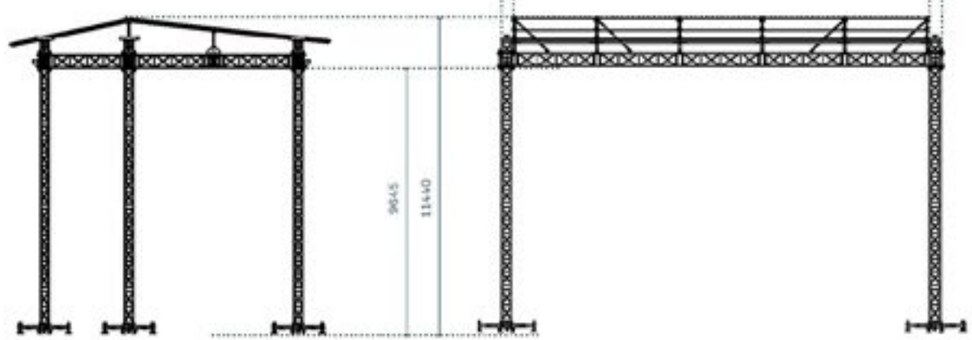
The examples and data shown on these pages are necessarily indicative owing to the extreme variability of the conditions in which the structures may be assembled. Each installation must be provided with a suitable quantity of ballast, as shown on the product certificates.

This line of structures was created in compliance with European standards.

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.







QL52A

Double Pitch 15x12 m

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

RL76A

Double Pitch 18x16 m

These roof systems are high-performance structures that feature a connection made through steel forks. This line was designed when a high loading capacity is required together with wide spans.

Dimensions		18x16 m
Heights range*	→	from 7 to 11 m
Main truss	→	RL76A
Towers	→	6 x Maxitower 40
Uniformly distributed load UDL **	→	9000 kg
Chain hoists	→	1000 kg
Total weight	→	8200 kg
Volume	→	76 m³
Set-up time & number of workers	→	5 hrs / 6 w

* Range suggested according to the dimensions of the roof system.

** 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.

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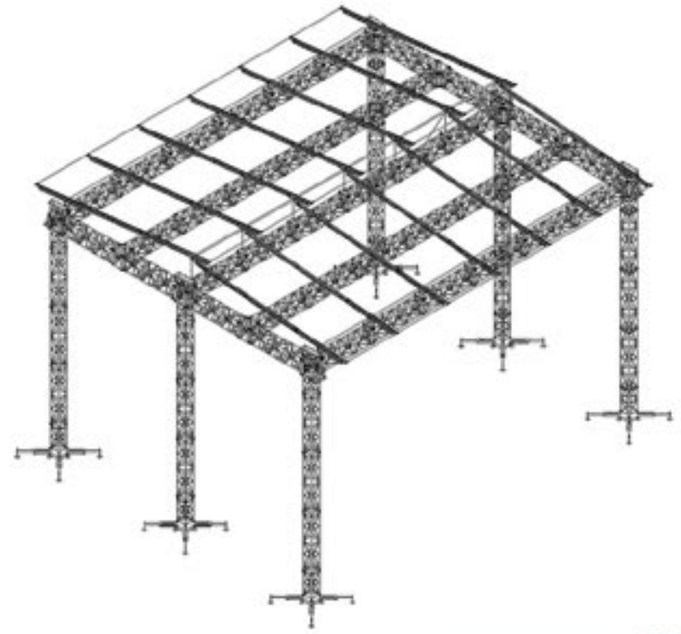
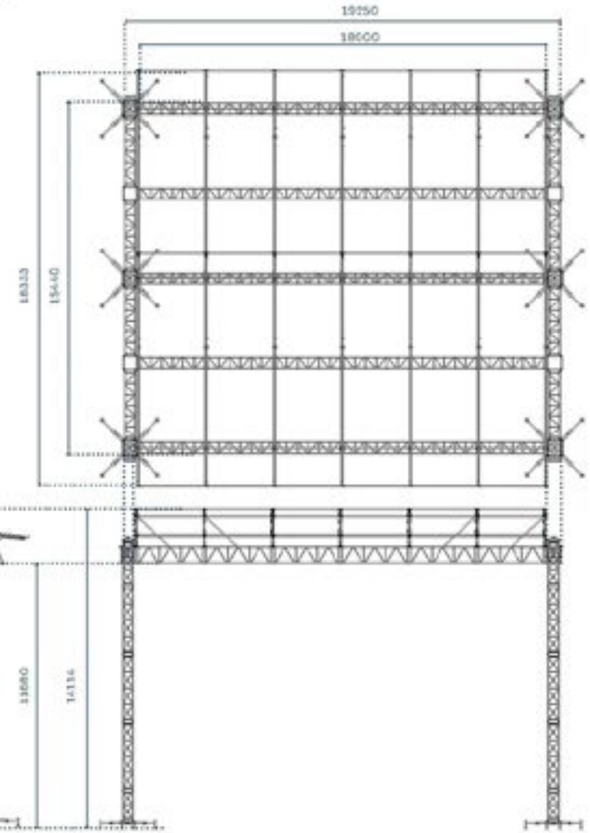
This line of structures was created in compliance with European standards.

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.





RL76A

Double Pitch 18x16 m

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

RL76A

Double Pitch 21x16 m

These roof systems are high-performance structures that feature a connection made through steel forks. This line was designed when a high loading capacity is required together with wide spans.

Dimensions 21x16 m

Heights range*	→	from 7 to 11 m
Main truss	→	RL76A
Towers	→	6 x Maxitower 40
Uniformly distributed load UDL **	→	7140 kg
Chain hoists	→	1000 kg
Total weight	→	9000 kg
Volume	→	88 m³
Set-up time & number of workers	→	6 hrs / 6 w

* Range suggested according to the dimensions of the roof system.

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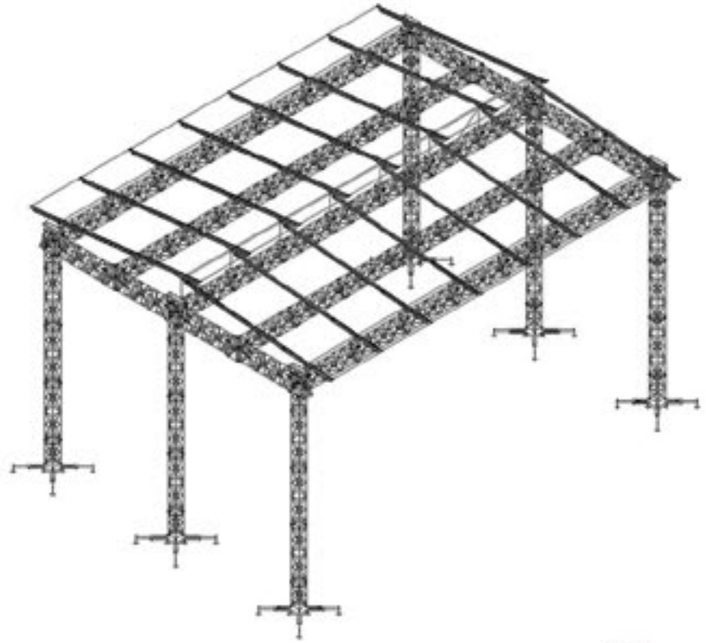
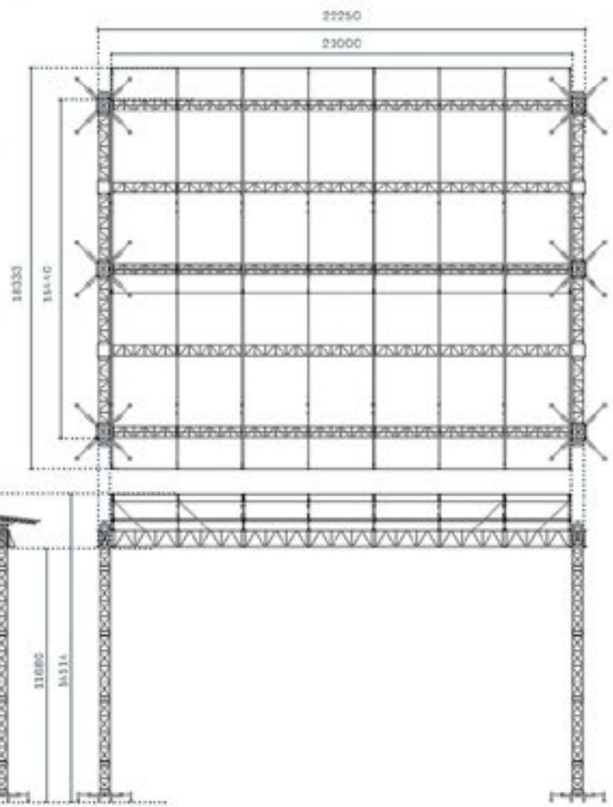




RL76A

Double Pitch 21x16 m

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

RL105A

Double Pitch 21x16 m

They are strong and sturdy roof systems totally built in RL105A trusses and Maxitowers 52.
They are thought for big installations on wide spans.
They feature new built-in guides for inserting roof sheets and a four-way sleeve block which is compatible with LIBERA FL105.

Dimensions		21x16 m
Heights range*	→	from 10 to 16 m
Main truss	→	RL105A
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	20000 kg
Chain hoists	→	2000 kg
Total weight	→	13500 kg
Volume	→	160 m³
Set-up time & number of workers	→	8 hrs / 6 w

* Range suggested according to the dimensions of the roof system.

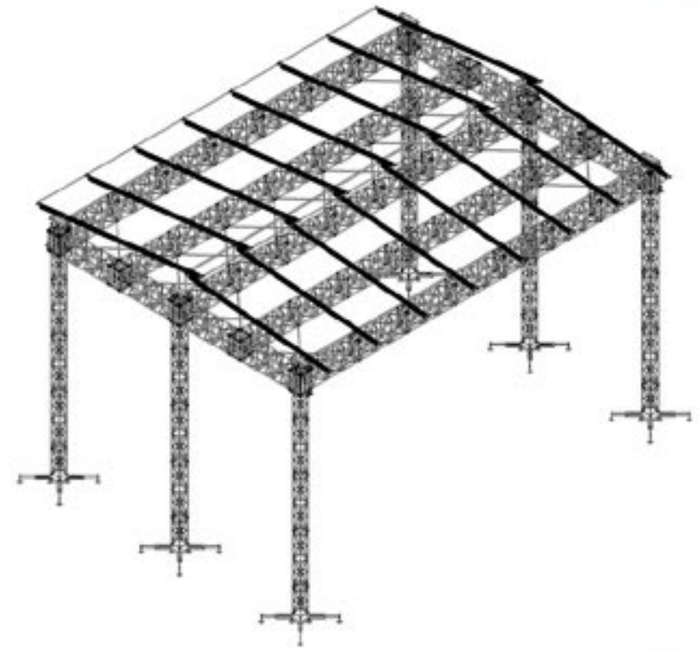
** Indicative loading data for use in environments without wind. For details and further information, please consult the technical specifications or contact our engineering department or distributors.

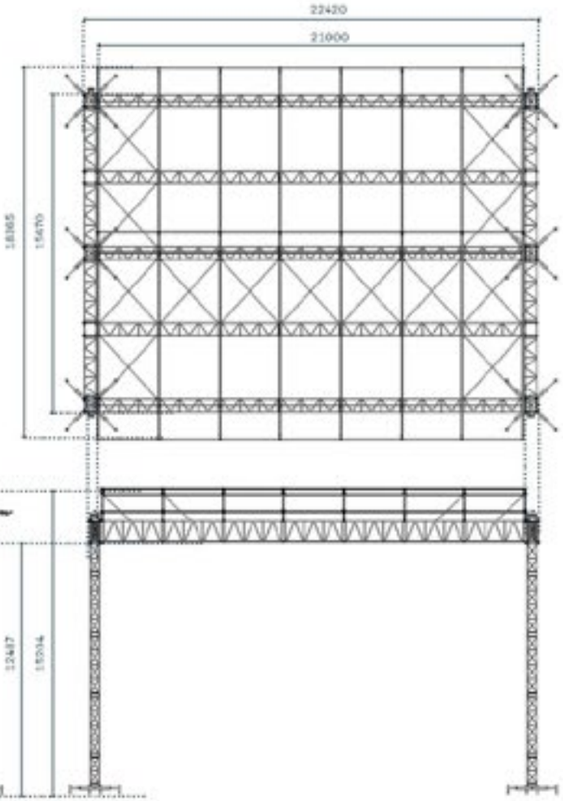
For details and further information, please consult the technical specifications or contact our engineering department or distributors.

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 European standards.

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.





RL105A

Double Pitch 21x16 m

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

RL105A

Double Pitch 24x16 m

They are strong and sturdy roof systems totally built in RL105A trusses and Maxitowers 52.
They are thought for big installations on wide spans.
They feature new built-in guides for inserting roof sheets and a four-way sleeve block which is compatible with LIBERA FL105.

Dimensions		24x16 m
Heights range*	→	from 10 to 16 m
Main truss	→	RL105A
Towers	→	6 x Maxitower 52
Uniformly distributed load UDL **	→	17000 kg
Chain hoists	→	2000 kg
Total weight	→	14000 kg
Volume	→	172 m³
Set-up time & number of workers	→	8 hrs / 6 w

* Range suggested according to the dimensions of the roof system.

** 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.

For details and further information, please consult the technical specifications or contact our engineering department or distributors.

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 European standards.

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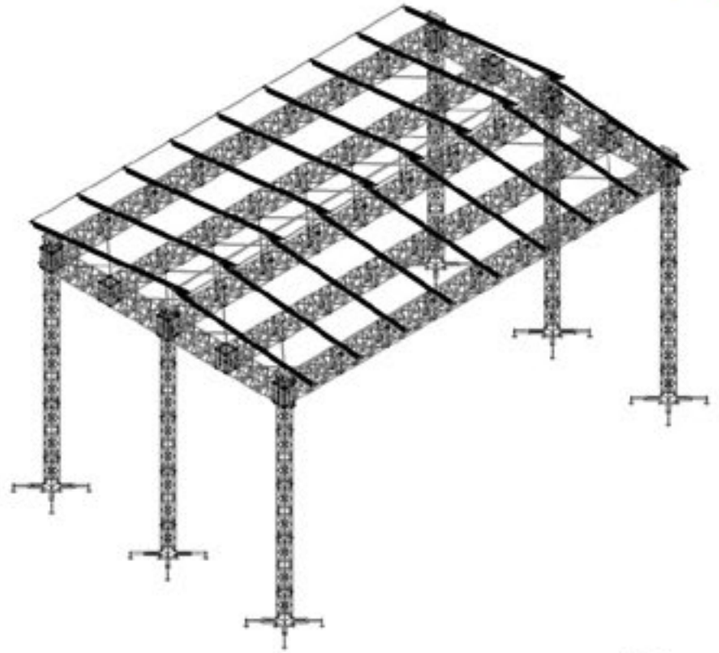

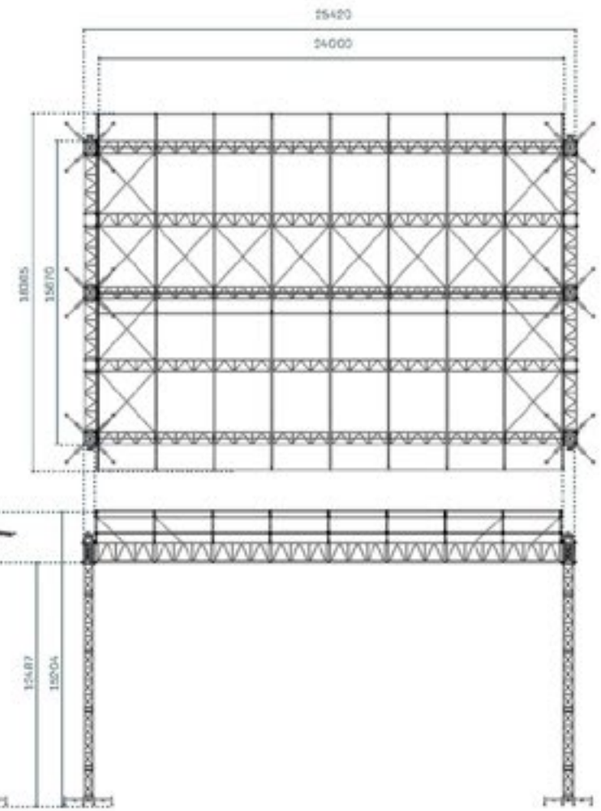

RL105A

Double Pitch 24x16 m

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

MyT Folding Steroid

33x20 m + 9 m of P.A. WINGS

The Roof size can easily be adapted by combining the width (33, 30 and 27 meters) and the depth (20, 17 and 14 meters).
In any formation, the towers in conjunction with the ballast base system guarantee high stability and solidity of the structure.

MyT Folding Steroid is a new concept in ultra high load truss that is the perfect choice for any temporary or semi-permanent structure. Made from EN AW-7003 T6 high performance aluminum alloy it maintains its form and undergoes minimal deflection even at maximimum load allowing higher load capacity at longer spans than any other truss system.

MyT Folding Steroid truss can be folded, locked and moved by a single person. It's folding design reduces the transport and storage space required, making it the best investment for large structures - the perfect balance of cost, performance and handling!

Dimensions		33x20 m + 9 m of P.A.
Height range*	→	from 15 to 25 m
Main truss	→	MyT Folding Steroid
Towers	→	MT85
Uniformly distributed load (UDL) **	→	≈ 30.5 tons
Chain hoists	→	5 or 6 tons

* Range suggested according to the dimensions of the roof system.

** 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.

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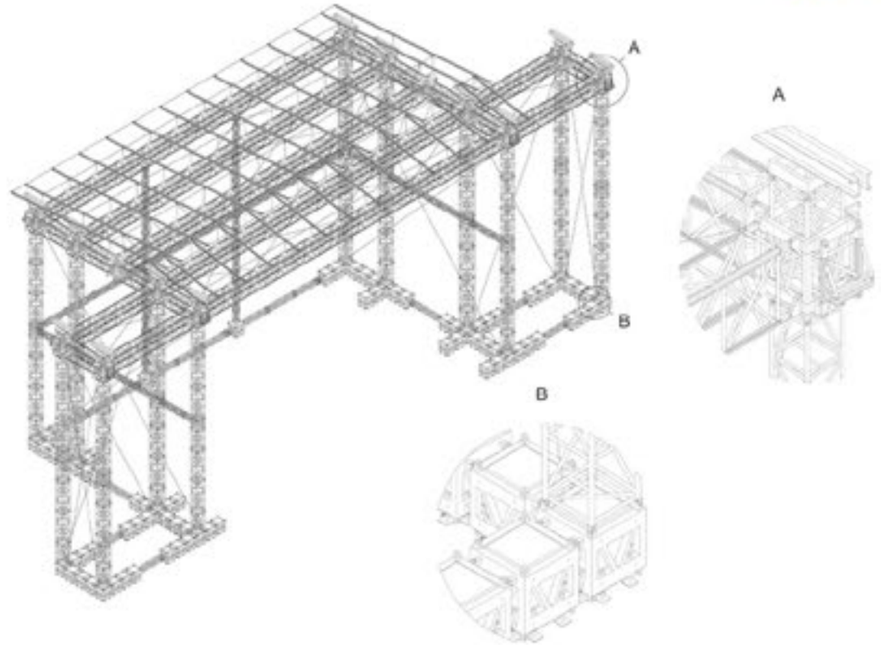
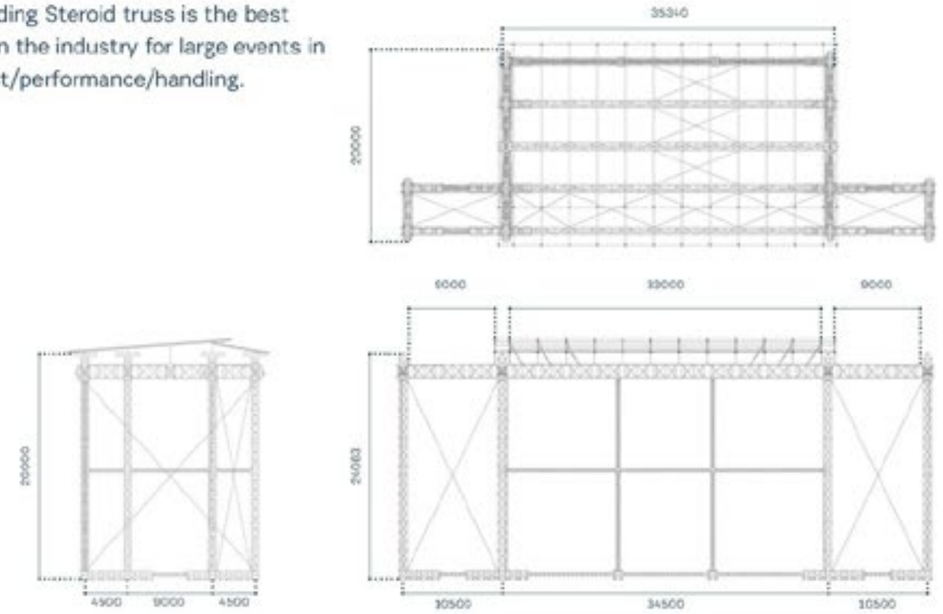


MyT Folding Steroid

33x20 m + 9 m of P.A. WINGS

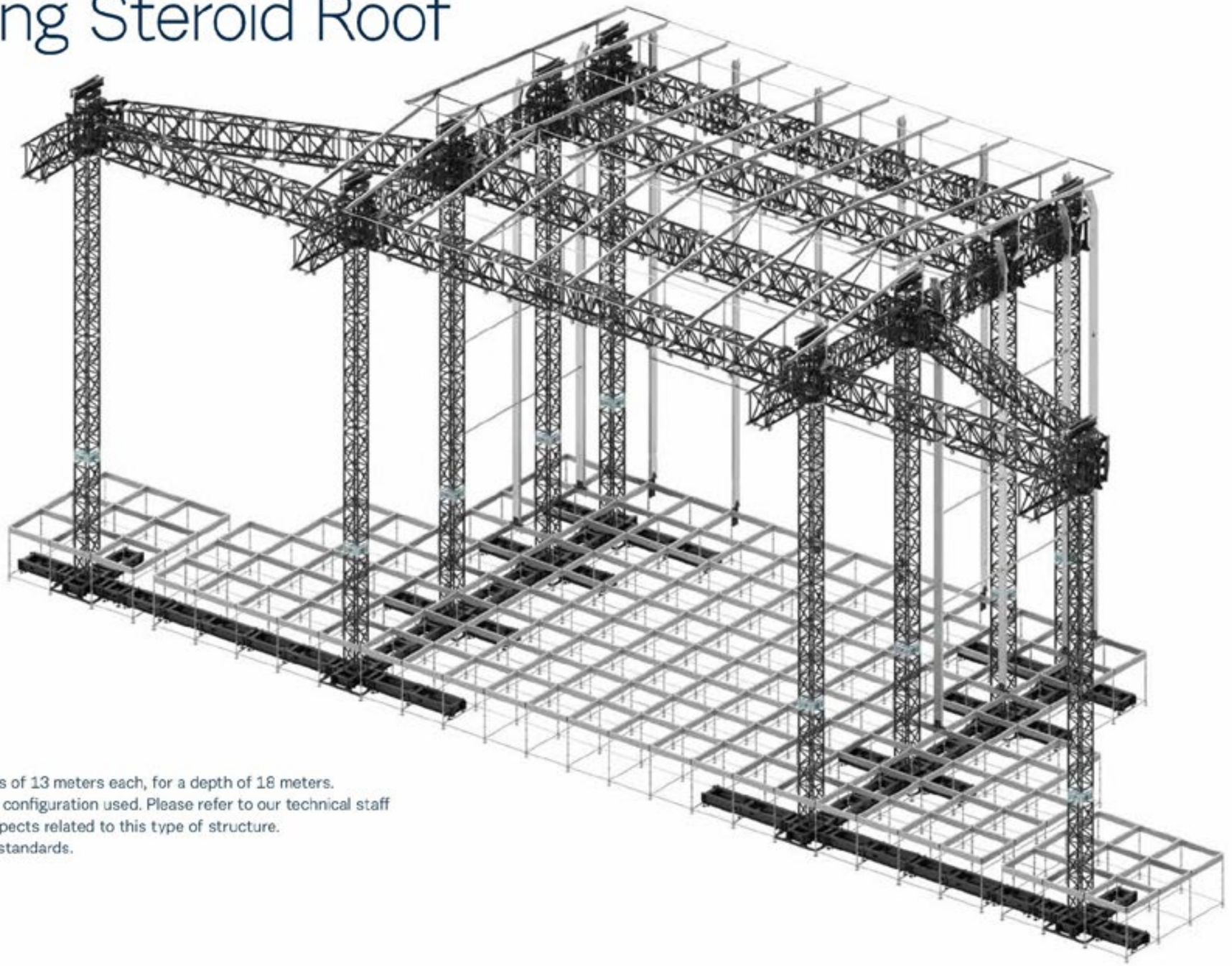
The MYT Folding Steroid truss is the best investment in the industry for large events in terms of cost/performance/handling.



High Performance Roof System

The new HiPe Q76 towers in combination with the well-known Myt Folding Steroid Truss allow for the construction of high-performance roof systems. The entire project is based on metric modularity but can be fully compatible with Layher modularity through accessories that are already standard. The system comes with self-extinguishing sheets ceiling for the bottom and side walls. The complete supply can be provided with wind bracing kits and ballast.

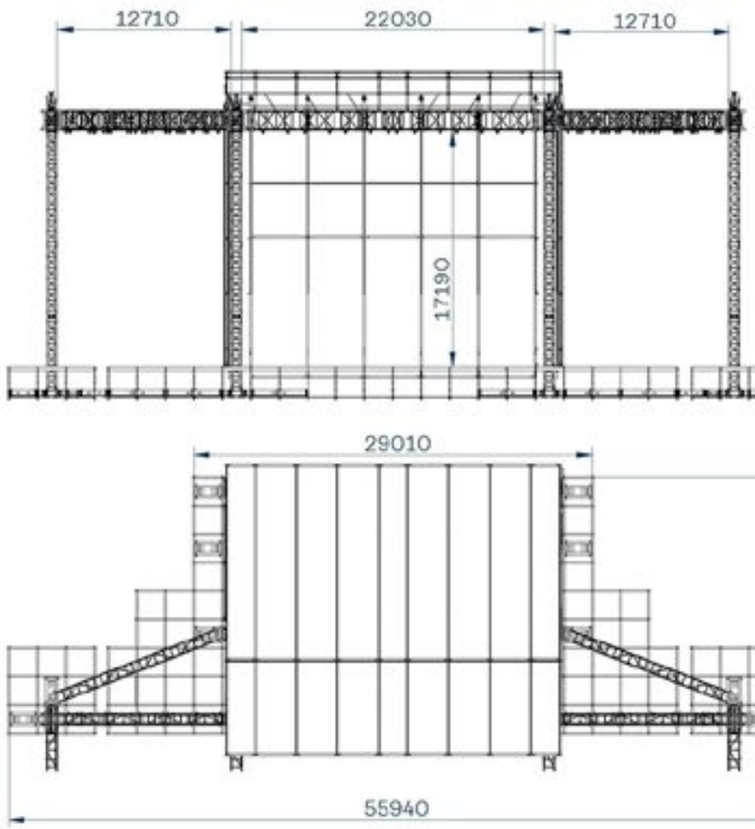
HiPe Steel Towers
& Myt Folding Steroid Roof

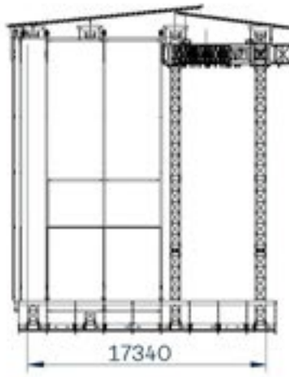


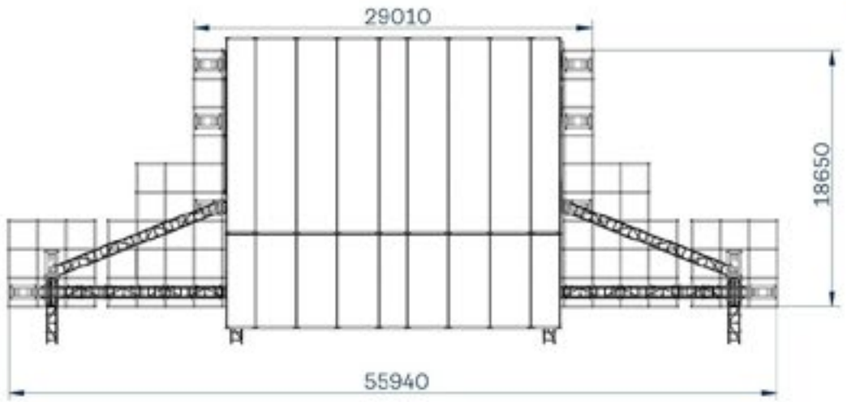
A span front of 22 meters with two side wings of 13 meters each, for a depth of 18 meters.
Loads and heights can vary depending on the configuration used. Please refer to our technical staff to further explore the technical and safety aspects related to this type of structure.
Modularity can be metric or based on Layher standards.

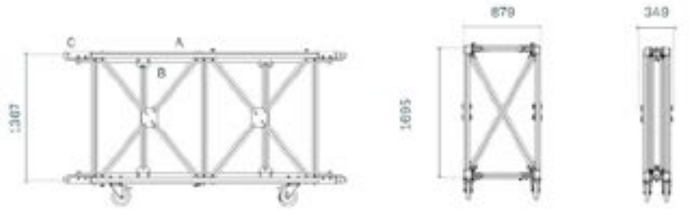
HiPe Steel Towers
& Myt Folding Steroid Roof

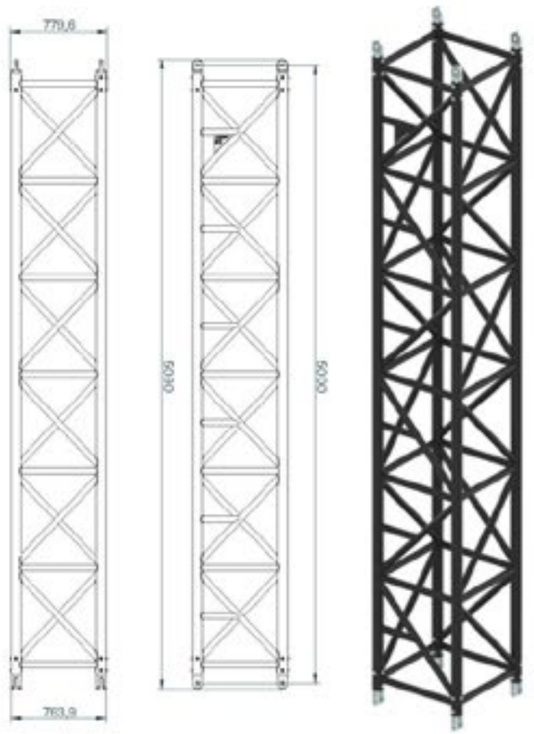
This is just one example of the possible configurations of our HiPe Towers and Myt Folding Steroid truss system. Further technical details are available by consulting the Litec Truss catalog and the LITEC Towers catalog.



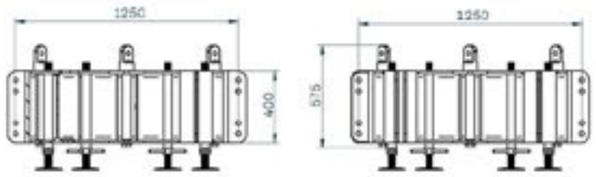




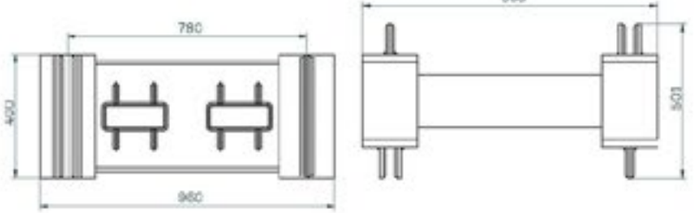




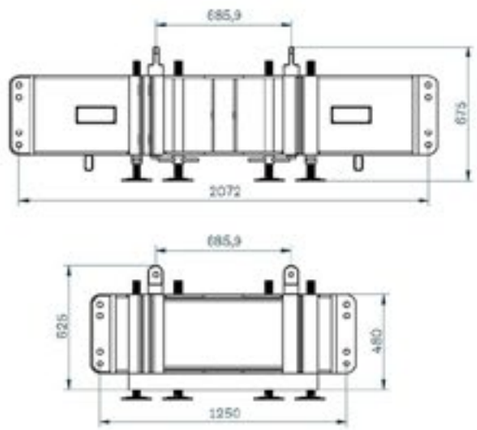
The HiPe Steel Ground Basis



Steel Base L=1250mm LT CS-768-1

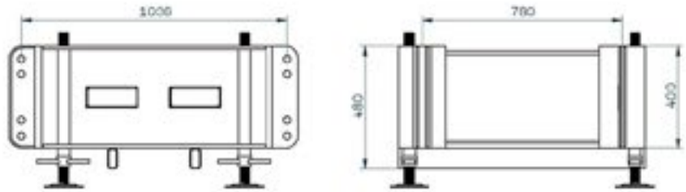


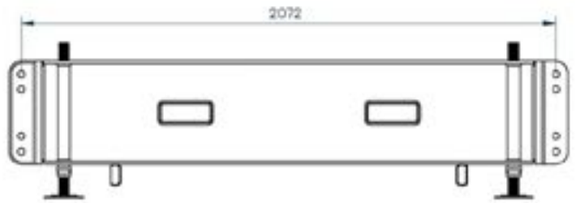
Steel Adapter Base L=411mm LT CS-76AB411-1

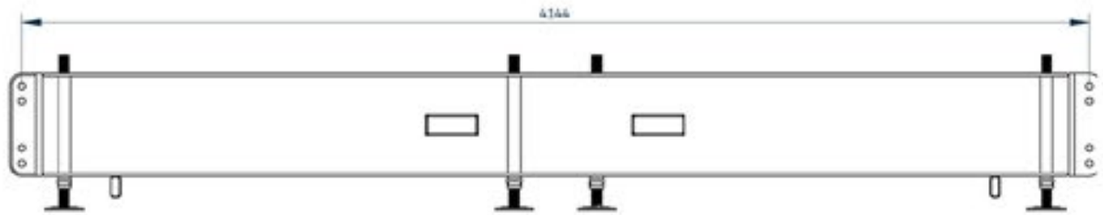


Steel Base L=2072mm LT CS-76B2072-1

Modularity based on the metric sequence provides essential flexibility in the design and assembly of structures. Additionally, we offer a wide range of accessories and products specifically designed to adhere to the Layher scaffolding standard.
Implementing ground base connections ensures the utmost precision and safety when constructing large ground supports.

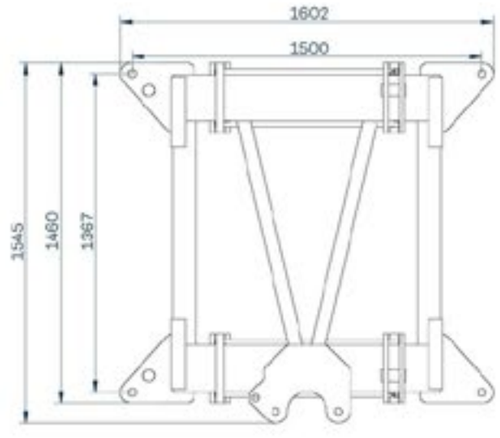




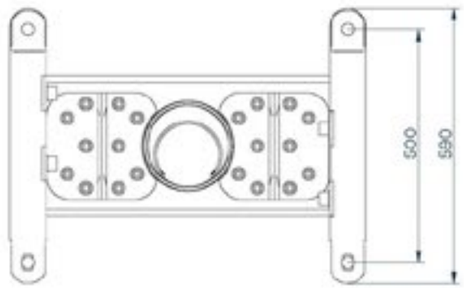


The HiPe Steel
Sleeve & Safety block

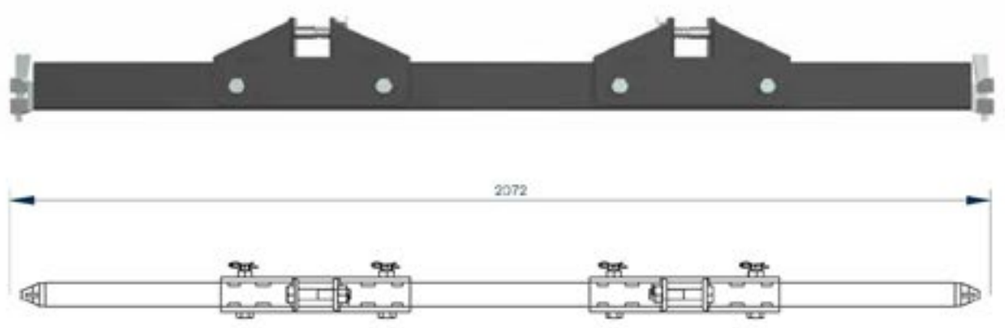
LT MTS76R150-01 MT76 Sleeve Block MyT



LT CS-76TSS Steel Safety Block



The HiPe Steel
Stage Layher Spacer



LT CS-76LLB2072-1 Steel Layher Link Base

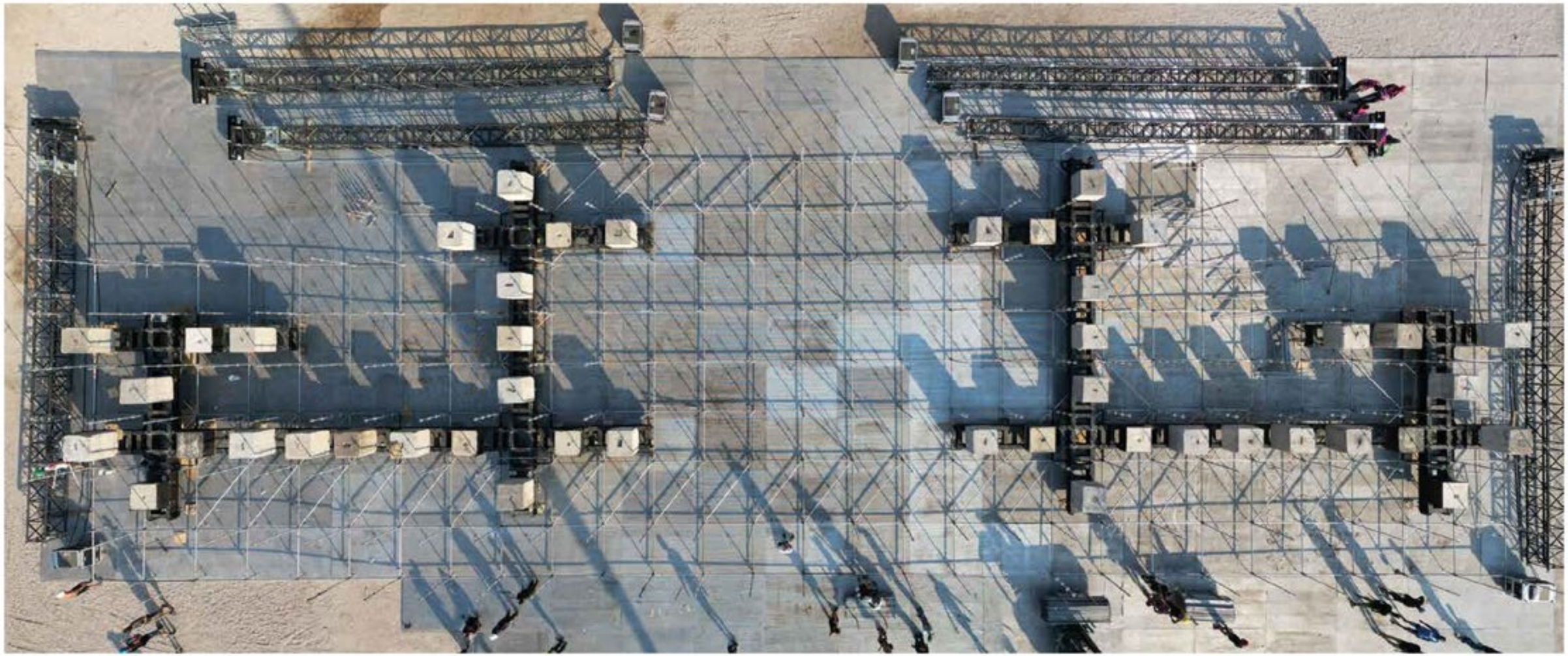
High Performance Roofing System

A perfect symbiosis between the new special steel trusses SQ76 and the extraordinary load-bearing performance of the MyT Folding Steroid model.

All modular systems, designed to create the safest and most reliable layout when high performance in height, span, and load are required.

The sequence can be varied with adapters or components based on dimensions fully compatible with the Layher scaffolding system world.

Layher®




ALESSANDRA AMOROSO
PINO È
ALESSANDRA AMOROSO

LITEC
TRUSSWORTHY PASSION

ROOF SYSTEMS

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