Photo: Giovanni Eekels Verhuur BV, The Netherlands

SYSTEM DESCRIPTION

The Arc Roof is a fixed construction. The 6x4 m and 8x6 m are based on H30D inward-curving trusses that are mounted to side masts. Special corners connect the arches to the main grid. The 10x8 Arc Roof is based of H30V Curved trusses that are mounted to the side mast. Boxcorners and special attachments connect the arches to the main grid.Different configurations are made possible by simply changing the arches. The arched trusses have a keder profile on top for fitting the canopy.

BASIC TRUSSING

Tower – MPT base sections
H30V truss

Grid – H30D arched truss - with keder profile or
H30V arched truss - with keder profile

INCLUDING

- Tension gear and steel wires
- Comprehensive building manual
- Structural report

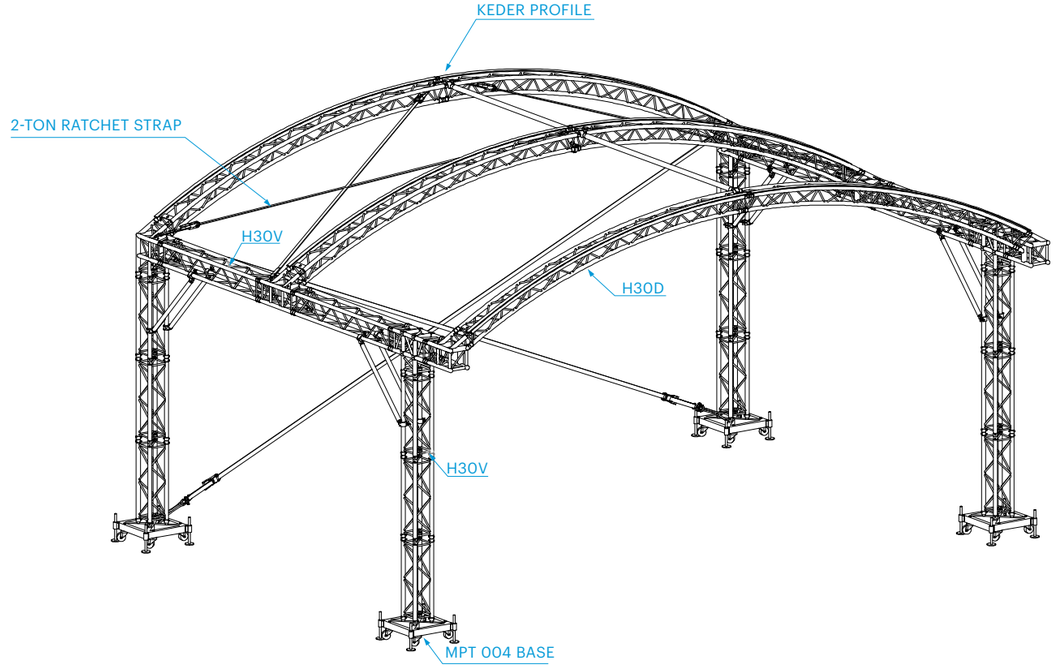
ROOF STRUCTURE		
Towers		Portal structure, MPT base sections and H30V truss
Main grid	6x4;8x6	H30V truss and welded corners; H30D Arc sections
	10x8	H30V truss and arc sections; boxcorners + special attachments

TECHNICAL SPECIFICATIONS - ARC ROOF	
Dimension	• 10 x 8 m , (32’9” x 26’3”) • 8 x 6 m, (26’3” x 19’8”) • 6 x 4 m, (19’8” x 13’1”)
Loading capacity (UDL)	• 10 x 8 m approx. 2450kg • 8 x 6 m approx. 1950kg • 6 x 4 m approx. 1800kg
Total weight	• 10 x 8 m approx. 1200kg • 8 x 6 m approx. 800kg • 6 x 4 m approx. 600kg
Transportation volume	• 10 x 8 m approx. 32m³ • 8x 6 m approx. 20m³ • 6 x 4 m approx. 16m³
Max. wind speed	28,4 m/second, 63,3 mph

Advantages
- Versatile application
- Easy to handle, quick setup
- Significant loading capacity
- Ideal for smaller events
- Extra options available

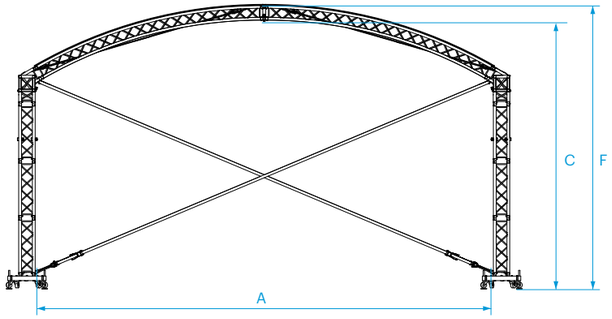
OPTIONS	
Canopy	side, back and top
Canopy colour	standard: outside grey, inside black (other colours possible)
Soundwings	Optional (yes, 1000kg)
Ballast	several possibilities on request depending on construction. For example, water tanks, Concrete blocks.
Staging	Prolyte stage elements, EasyFrame B or Probeam combined with a scaffolding stage
Groundring	reduces ballast loading

Photo: Live Systems Ltd, UK. project: Tall Ships Races Festival in the Shetland Islands

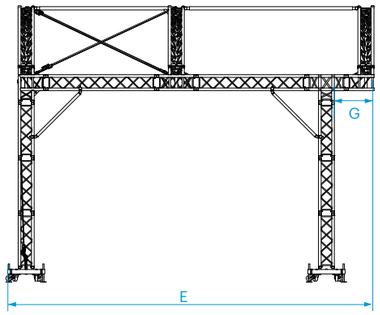


ARC - ROOF

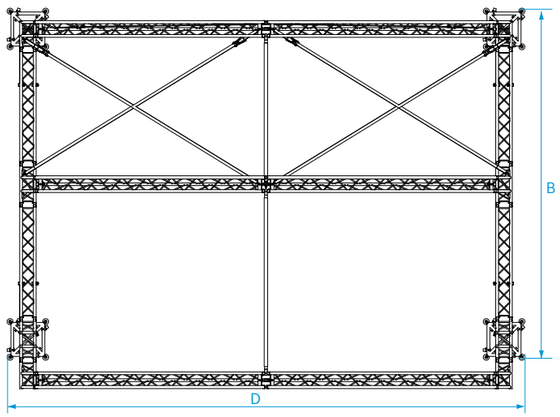
Front view - 8 x 6 m Arc



Side view - 8 x 6 m Arc

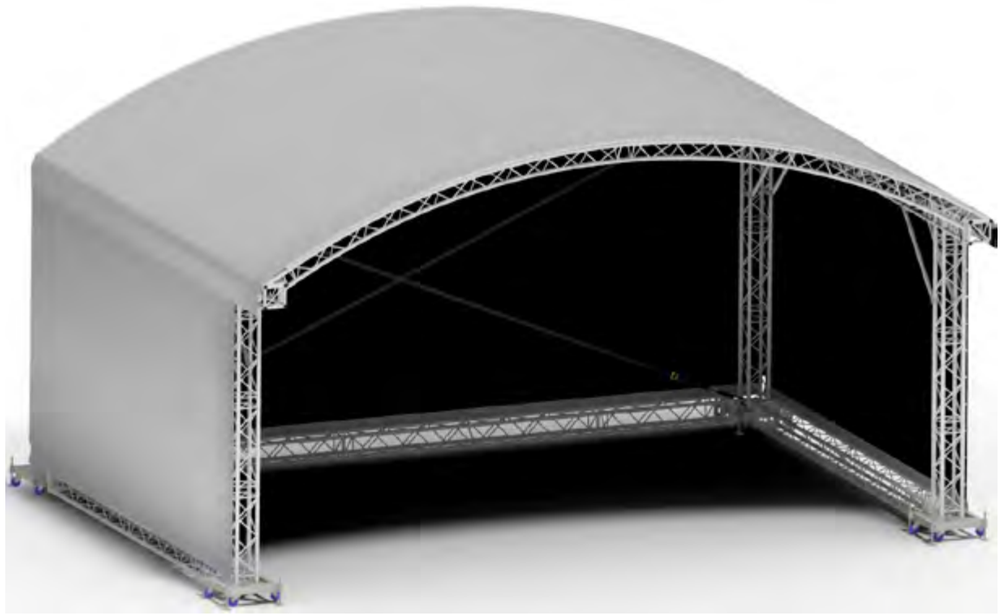


Top view - 8 x 6 m Arc



ARC ROOF SYSTEM	
10 x 8 m	4 Arcs
8 x 6 m	3 Arcs
6 x 4 m	2 Arcs

Photo: DWR Distribution South Africa; project: MGG at Comic-Con Africa



ARC ROOF SYSTEM		Inside						Overall							
Stage measurements		A		B		C		D		E		F		G	
10 x 8 m	32'9" x 26'3"	10,20 m	33'46"	7,14 m	23'43"	6,00 m	19'69"	10,79 m	35'40"	8,50 m	27'89"	6,32 m	20'73"	0,71 m	2'33"
8 x 6 m	26'3" x 19'8"	8,04 m	26'38"	5,14 m	16'86"	4,72 m	15'49"	8,60 m	28'22"	6,50 m	21'33"	4,99 m	16'37"	0,71 m	2'33"
6 x 4 m	19'8" x 13'1"	6,04 m	19'82"	3,43 m	11'25"	4,45 m	14'60"	6,60 m	21'65"	4,78 m	15'68"	4,72 m	15'49"	0,71 m	2'33"

ARC - HT ROOF

SYSTEM DESCRIPTION

The Arc-HT is based on the new HT tower, the grid is build out of H40V truss and the new HD-Boxcorner which optimizes the strength of the system. The arches are made out of H40V, with Compression members in-between. The HT tower simplifies the dead hanging of the system, with its dead hang pin instead of a steel chain.

INCLUDING

- Tension gear and steel wires
- Structural report

ROOF STRUCTURE	
Towers	4x HT-Towers, Mast Sections of H30V Truss
Main grid	H40V Truss + H40V Arc Sections

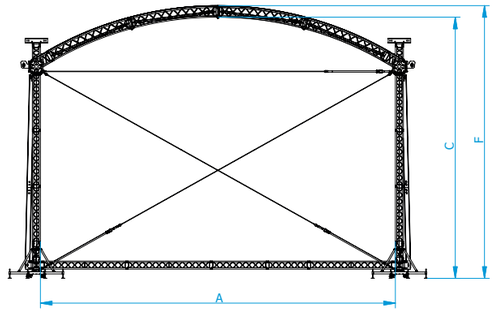
TECHNICAL SPECIFICATIONS - ARC ROOF	
Dimensions	• 12 x 10 m, (39'4" x 32'9") • 10 x 8 m, (32'9" x 26'3"), • 8 x 6 m, (26'3" x 19'8")
Loading capacity (UDL)	12 x 10 m approx. 5360g 10 x 8 m approx. 4720kg 8 x 6 m approx. 2940kg
Total weight	12 x 10 m approx.. 1950kg 10 x 8 m approx. 1700kg 8 x 6 m approx. 900kg
Transportation volume	12 x 10 m approx. 40 m³ 10 x 8 m approx. 32m³ 8x 6 m approx. 24m³
Max. wind speed	28,4 m/second, 63,3 mph

Consult Prolyte for up-to-date information on loading capacity, wind speed, total weight and transportation volume in line with the latest regulations.

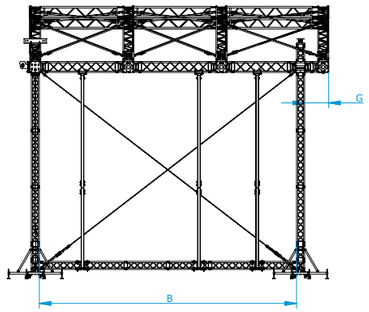
Advantages
- Easy to handle, quick setup
- High Loading capacity
- Simplyfied dead hang system
- All Standard components
- Extra Options

OPTIONS	
Canopy	Side with keders, back and top
Canopy colour	standard: outside grey, inside black (other colours possible)
Soundwings	Optional (yes, loading 1000 kg each)
Ballast	several possibilities on request depending on construction. For example, water tanks, concrete blocks
Staging	Prolyte stage elements, Probeam combined with a scaffolding stage
Groundring	Yes, reduces ballast loading

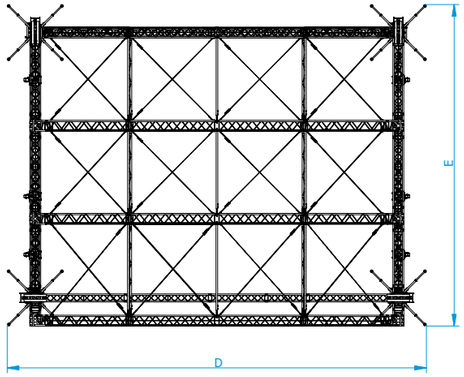
Front view - 8 x 6 m Arc



Side view - 8 x 6 m Arc



Top view - 8 x 6 m Arc



ARC-HT ROOF SYSTEM
10 x 8 m — 4 Arcs
8 x 6 m — 3 Arcs
6 x 4 m — 2 Arcs

ARC-HT ROOF SYSTEM	Inside						Overall							
Stage measurements	A		B		C		D		E		F		G	
12 X 10 m	39'37" x 32'9"	12,63 m	14'44"	9,15 m	30'00"	9,29 m	30'48"	14,91 m	48'93"	11,44 m	36'09"	9,70 m	31'82"	0,86 m	2'82"
10 x 8 m	32'9" x 26'3"	10,63 m	34'88"	7,14 m	23'43"	6,00 m	19'69"	10,79 m	35'40"	8,50 m	27'89"	6,32 m	20'73"	0,71 m	2'34"
8 x 6 m	26'3" x 19'8"	8,63 m	28'31"	5,84 m	19'17"	6,26 m	20'54"	10,91 m	35'79"	8,12 m	26'64"	6,66 m	21'85"	1,36 m	4'46"