



Photo: PIEEE Totaal BV, Evenementen en Presentatie Techniek, The Netherlands, Project: Paleis Het Loo, Apeldoorn, The Netherlands

SYSTEM DESCRIPTION

The Tunnel Roof is a fixed construction, based on inward-curving trusses that form a complete arch. The Tunnel Roof is available in two sizes: 12 m stage width combined with an arch 6 m height, or a 16 m stage width combined with an arch of 8 m height. The depth of the stage can be varied in 2 or 3 m bay sections. Each 5th section must be stiffened by guy-wires or similar support method. There is no limit to the depth of the stage.

Special adapters provide a connection between the stage floor and the truss arches. The Tunnel Roof combines very well with a StageDex stage as well as with an EasyFrame B support frame or Probeam. The arch connections are integrated in the stage floor, making it possible to use the weight of the stage as ballast for the roof. The arched trusses have a keder profile on top for fitting an optional canopy. Due to the arched construction, the Tunnel Roof is both very compact and strong.

BASIC TRUSSING

Grid — H30D arched truss (12 m roof) - with keder profile
H40V arched truss (16 m roof) - with keder profile

INCLUDING

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

ROOF STRUCTURE

Towers	-
Main grid	H30D arched truss or H40V arched truss
TECHNICAL SPECIFICATIONS -TUNNEL ROOF	
Dimensions	Width 16 m / 12 m, depth variable
Loading capacity (UDL)	5.000-10.000 kg/m ² - 11.023-22.046 lbs/ft
Total weight	approx. 700 kg, 1545 lbs
Transportation volume	approx. 10 m ³ / 353 cu. ft.
Max. wind speed	28,4 m/second, 63,3 mph

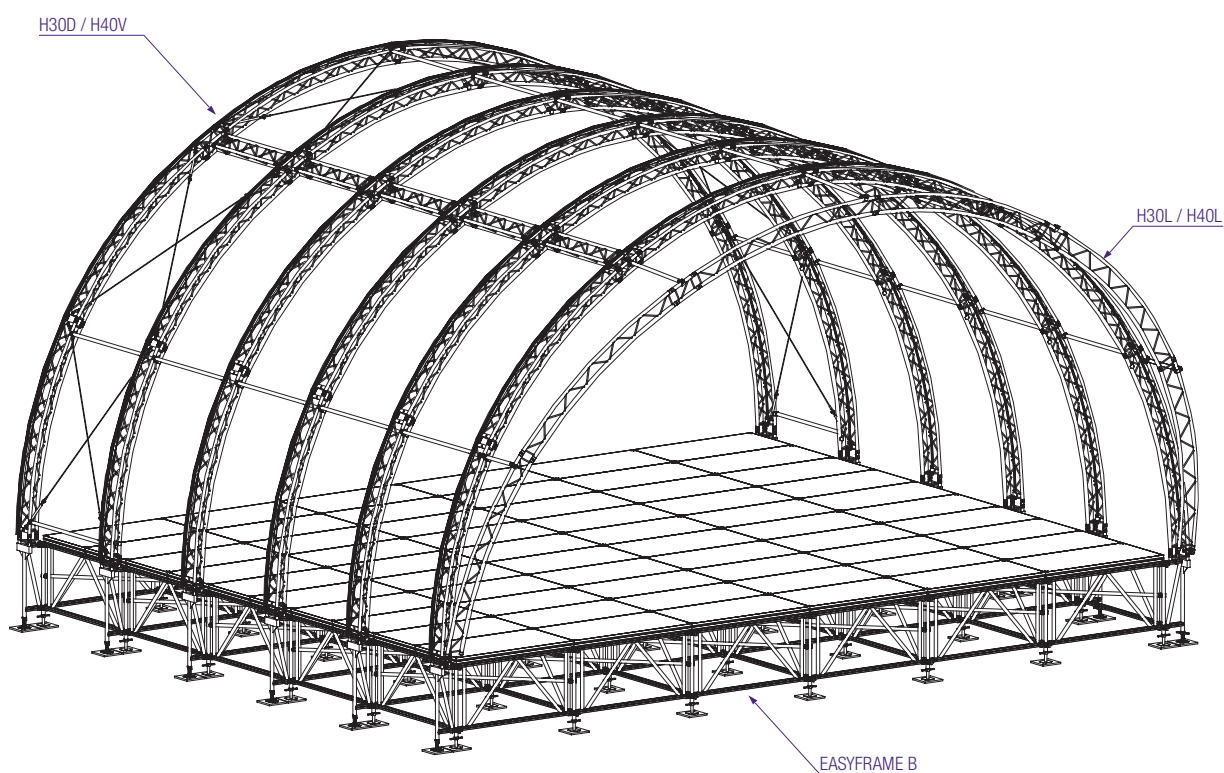
OPTIONS

Canopy	back and top
Canopy colour	standard: outside grey, inside black (other colours possible)
Soundwings	no
Ballast	several possibilities on request
Staging	Prolyte stage elements, EasyFrame B or Probeam combined with a scaffolding stage
Cantilever	yes

TUNNEL ROOF

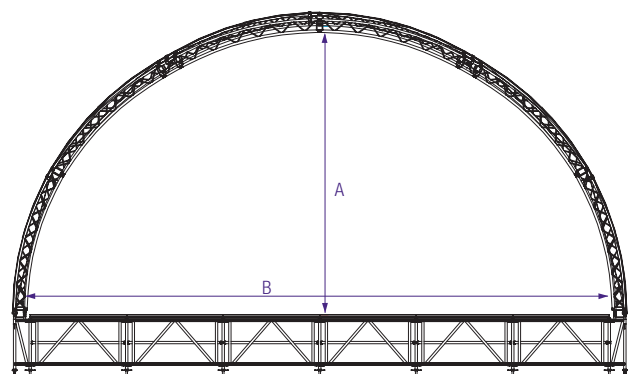


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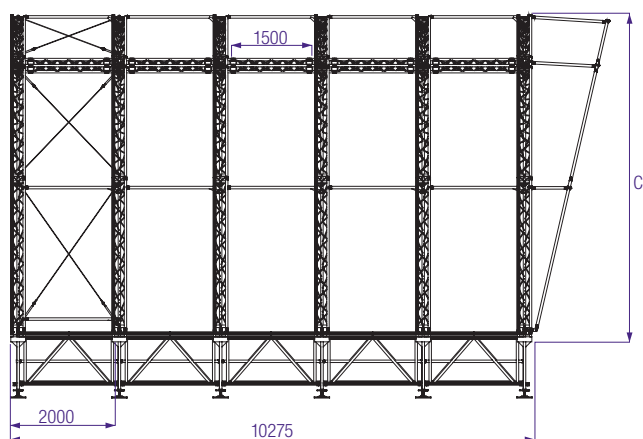




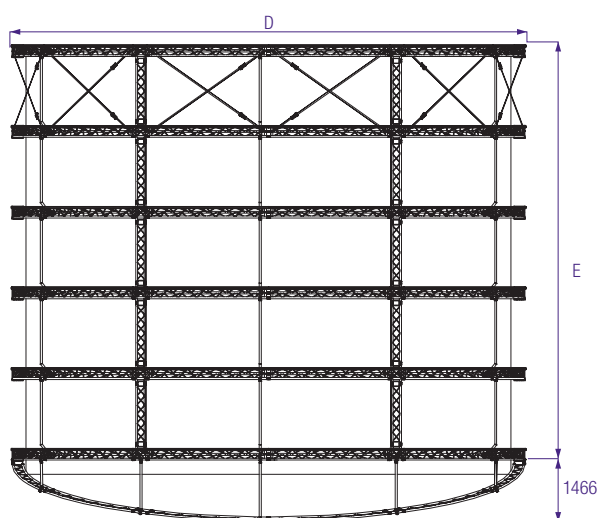
Front view



Side view



Top view



TUNNEL ROOF SYSTEM		inside				overall				
Stage measurements		A		B		C		D		E
16 m, depth variable	52'5"	7,97 m	26'1"	16,27 m	53'4"	8,00 m	26'2"	16,95 m	55'7"	variable*
12 m, depth variable	39'4"	5,97 m	19'7"	12,18 m	39'1"	6,00 m	19'8"	12,73 m	41'9"	variable*