AR-30 Arc Roof

The AR-30 Roof is a tower based structure with 5 arches. The arched roof structure consist of standard TT truss sections with hinges and spreader plates and supported with spreader truss which gives stability and massive strength and huge multi point loads.

The Arches are attached by a hinged connection at the outer ends to standard a TD50 Tower. The arched truss has a keder profile on top to fit the canopy.

The AR-30 is designed and set up in such a way which makes it possible to build the roof in various configurations as size of the keder profiles match the TT truss sections. The AR30 Mega Roofs are designed to be setup integrated in as scaffolding stage or alternatively on ballast bases with compressions beams.

The AR-30 Mega Roof is standard available and pre calculated with the dimensions 24x15m, 20x15m both on eight Towers and 16x12m on six Towers. The AR-30 has the highest load bearing capacity of all Eurotruss Roofs.

Specifications

Towers:	TD50
Main Grid:	TT Truss
Roof Structure:	TT Truss
Size:	24x15, 20x15 and 16x12 m.
Options:	PA Wings, Side Houses

AR-30 Sizes & Loading Metric

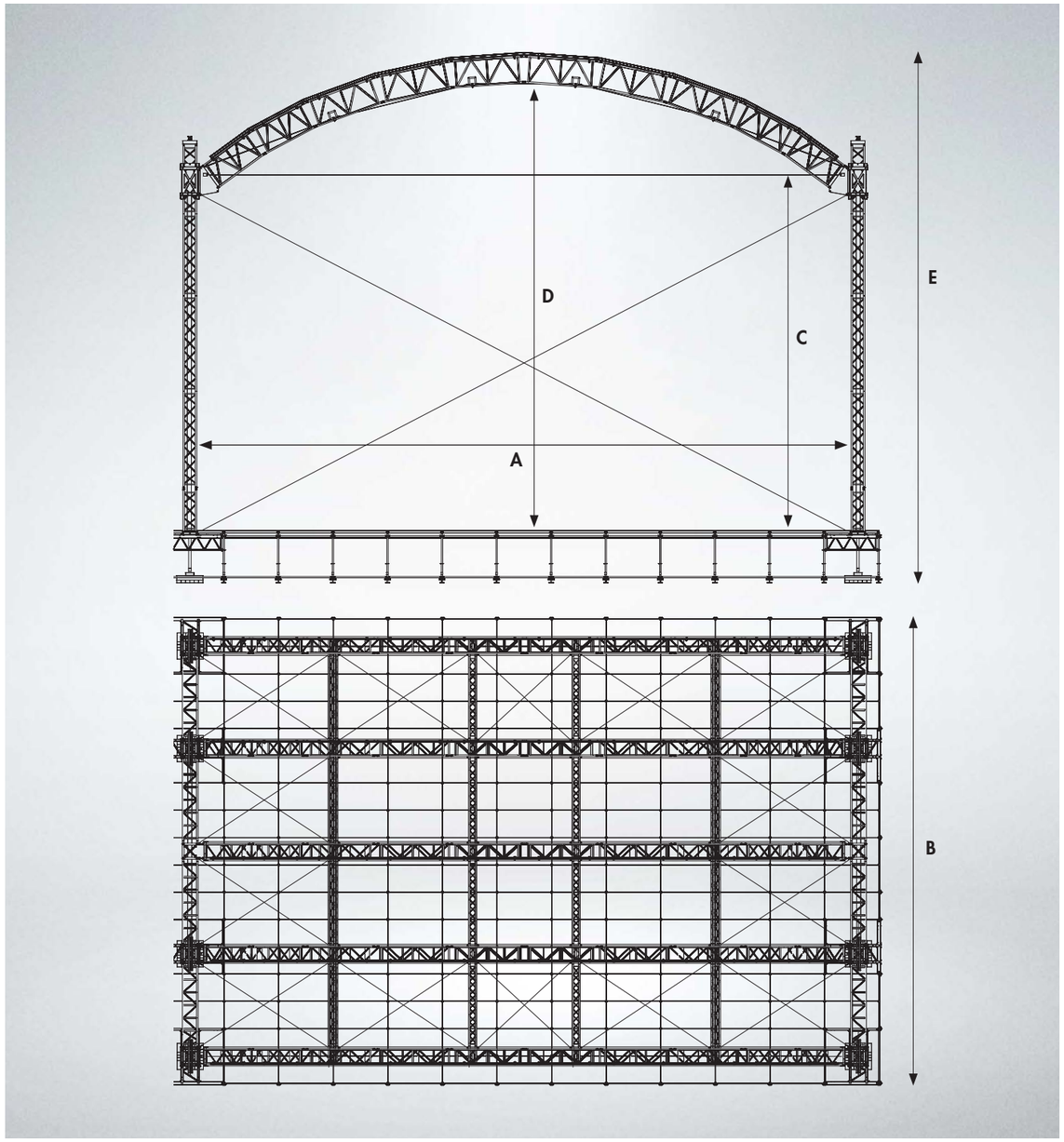
AR-30 ARC Roof	**24x15 m.**	**20x15 m.**	**16x12 m.**
User Load Roof UDL:*	47.400	39.000	26.400
User Load Roof CPL:*	34.500	22.500	18.000
User Load PA frame:*	4.000	4.000	4.000
Max. Wind Force:**	10 Bft	10 Bft	10 Bft

**in kg I **Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs (9bft).*

AR-30 Sizes & Loading Imperial

AR-30 ARC Roof	**80x50 ft.**	**67x50 ft.**	**55x40 ft.**
User Load Roof UDL:*	104.280	85.800	58.080
User Load Roof CPL:*	75.900	49.500	39.600
User Load PA frame:*	8.800	8.800	8.800
Max. Wind Force:**	10 Bft	10 Bft	10 Bft

**in lbs I **Walls (side/back) must be removed if Wind Speed exceeds 72 km/hrs (9bft).*



AR-30 Dimensions

	Metric*			**Imperial****		
AR-30 dimensions:*	**24x15 m.**	**20x15 m.**	**16x12 m.**	**80x50 ft.**	**67x50 ft.**	**55x40 ft.**
A Width	24,1	20,1	16,1	79,1	66,0	52,8
B Depth	15,6	15,6	11,9	51,2	51,2	39,0
C Clearance side	13,0	13,0	13,0	42.6	42.6	42.6
D Clearance center	16,4	15,1	14,1	53,8	49,5	46,2
E Rooftop Height	19,4	18,1	17,1	63,6	59,4	56,1
Stage area	376^{m2}	314^{m2}	192^{m2}	4050^{ft2}	3380^{ft2}	2059^{ft2}

* in mtrs | ** in feet