

AR-20 Arc Roof

The AR-20 Super ST Roof is a tower based structure with three arches and a standard additional arch as Cantilever. The arched roof structure consist of standard ST 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 TD35 Tower. The arched truss have a keder profile on top to fit the canopy.

The AR-20 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 ST truss sections. The AR-20 Super Roofs are designed to be set up on standard single steel bases or with integrated bases in any kind of steel scaffolding stage.

The AR-20 Super Roof is standard available and pre-calculated with the dimensions 16x12m and 12x12m both on six Towers. The AR-20 has an incredible uniform divided and point load bearing capacity.

Specifications

Towers:	TD35
Main Grid:	ST Truss
Roof Structure:	ST Truss
Size:	16x12 and 12x12 m.
Options:	PA Wings, Side Houses

AR-20 Sizes & Loading Metric

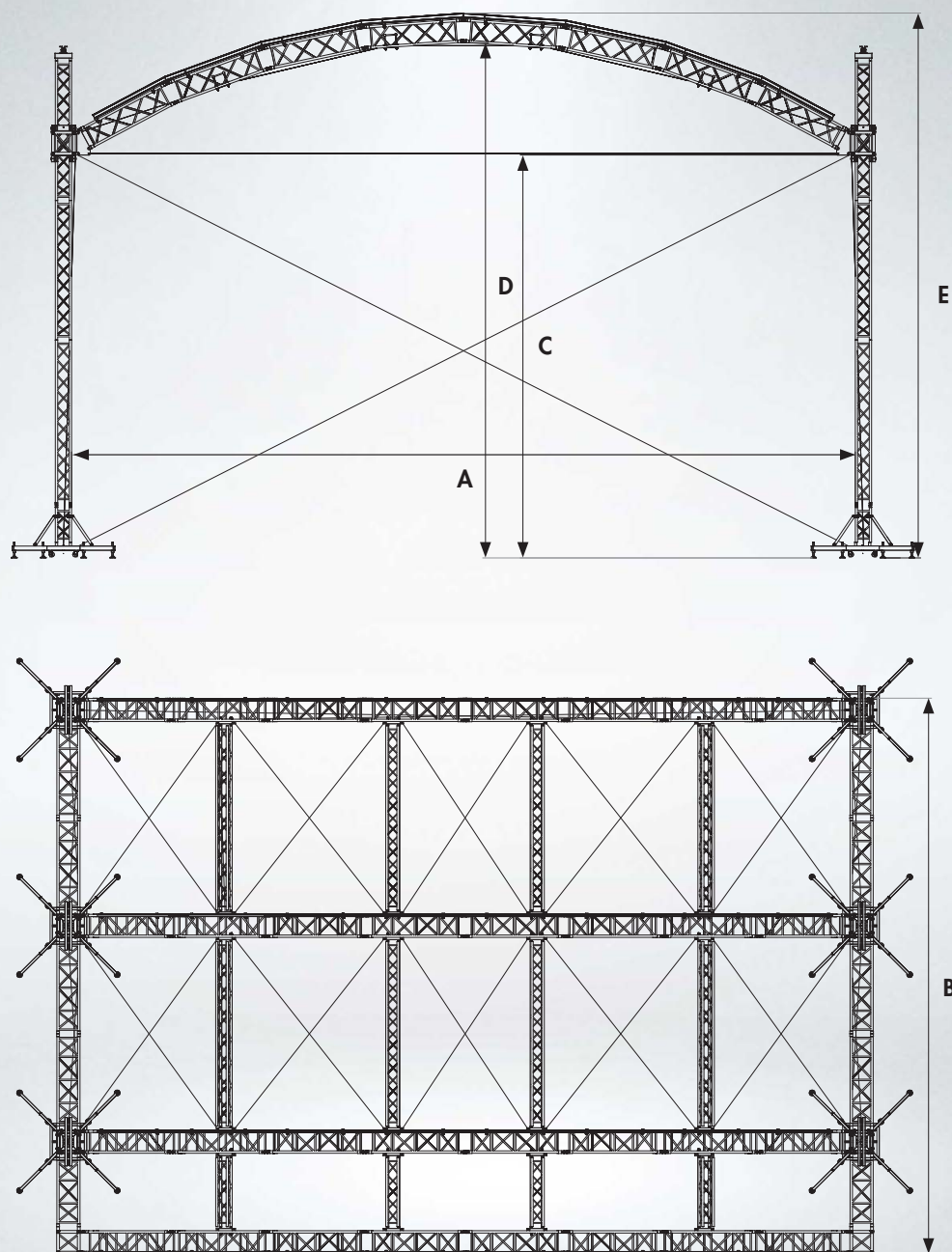
AR-20 ARC Roof	16x12 m.	12x12 m.
User Load Roof UDL:*	13.800	13.800
User Load Roof CPL:*	15.000	15.000
User Load PA frame:*	2.000	2.000
Max. Wind Force:**	10 Bft	10 Bft

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

AR-20 Sizes & Loading Imperial

AR-20 ARC Roof	55x39 ft.	39x39 ft.
User Load Roof UDL:*	30.360	30.360
User Load Roof CPL:*	33.000	33.000
User Load PA frame:*	4.400	4.400
Max. Wind Force:**	10 Bft	10 Bft

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



AR-20 Dimensions

AR-20 dimensions:	Metric*		Imperial**	
	16x12 m.	12x12 m.	55x39 ft.	39x39 ft.
A Width	16,8	12,9	55,1	42,3
B Depth	12,0	12,0	39,4	39,4
C Clearance side	8,8	8,8	28,9	28,9
D Clearance center	11,0	10,1	36,1	33,1
E Rooftop Height	11,7	10,7	38,4	35,1
Stage area	202m ²	155m ²	2171ft ²	1667ft ²

* in mtrs | ** in feet