

# AIR Roof



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Total Structures Roof systems have long been an industry standard, well known for their flexibility, ease of use and assembly, high load capacities and compact packing.

However, there has always been a requirement for a more economical stage roof, and Total Structures has added the AIR roof system to its range to fill this need. The AIR roof comprises of a conventional ground support system with an inflatable canopy.

The canopy incorporates a series of inflatable trusses which provide rigidity and smooth contours, whilst retaining shape under wind load and providing fast run off water channels to shed rain loads quickly and effectively. The

aesthetically pleasing curved surface areas also provide improved acoustics on stage.

The blowers for inflation are housed within the skin itself, removing them from sight, and also helping to keep noise to an absolute minimum.

The inflatable canopy can also be designed to split into smaller sections thus allowing the creation of a number of smaller roofs that can be combined to create one larger system when required.

Although AIR roof is not designed to take the place of a high load bearing rigging roof, it does offer rigging for surprisingly high payloads, with the

illustrated system (See photographs) being constructed from Total Structures Medium Duty nut & bolt connection truss and having a payload of approximately 3,000 Lbs on the 40ft x 40ft grid.

With much of the traditional roof metal structure not necessary, compared to other systems in the market, the AIR roof requires considerably less assembly time, requires even less storage and truck space and provides considerable savings on a \$ vs. square foot covering cost.

AIR roof is another example of Total Structures providing...

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