

### Background

Warner Robins Air Force Base in Georgia is home to one of the primary maintenance/overhaul facilities for C-17 aircraft. The Air Force requires that the planes be partially enclosed during these procedures for efficiency, to protect the aircraft, and for the safety of the groundcrew members.

### The Challenge

The Air Force had used several different off-the shelf structure configurations for C-17 maintenance with various levels of satisfaction. They were looking to improve the overall performance of the program by challenging fabric structure manufacturers to do a clean sheet design of a airplane specific structure that worked in a far more efficient manner as well allowing the maximize the efficient use of space on the flight line and increase the performance of the program.

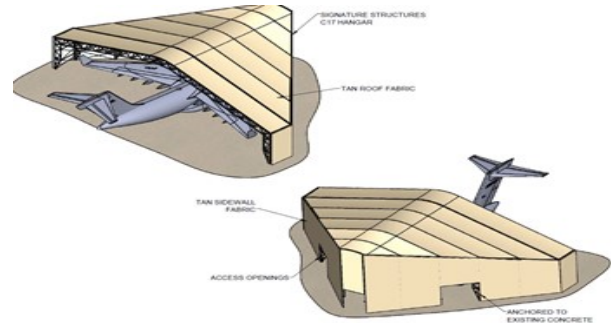
### Solution

**Signature/Guard-All** teamed up to design, engineer, manufacture, and install a completely new system that employed a series of trusses in increasing widths to allow the aircraft to park nose-first in the shelters and greatly increase the overall weather protection of the plane and maximize the usage of the available square footage on the flight line.

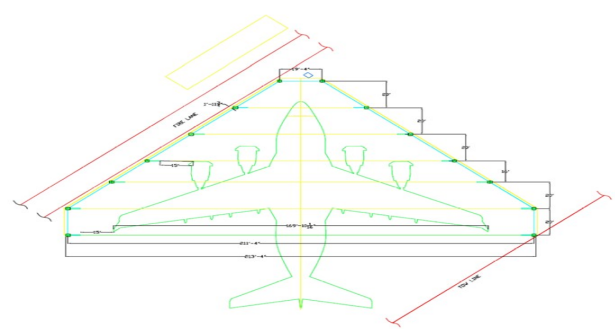


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#### FROM DESIGN



#### TO ENGINEERING



#### TO INSTALLATION



#### TO COMPLETION

