



## NNA14489731Q-AMD – Amendment 2

### Questions and Answers

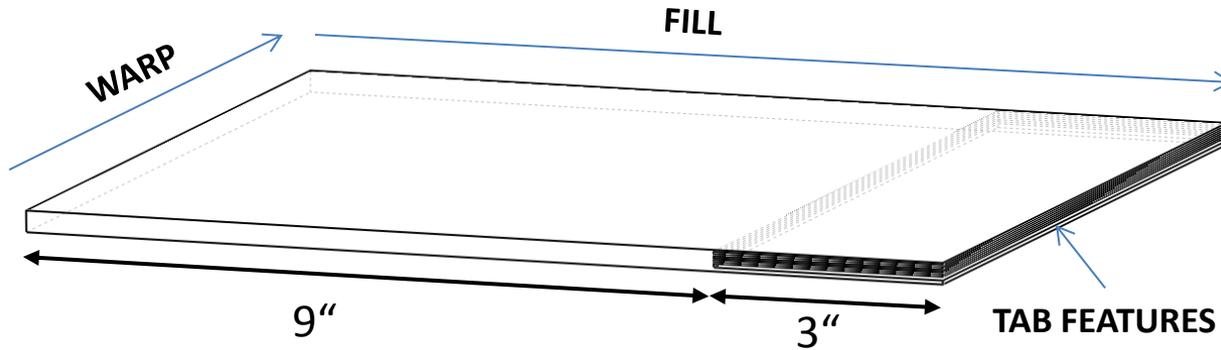
1. A \$100,000 goal is discussed in the SOW but not in the body of the RFP under limitations or budget. Is this a typo? Is it a goal? Or is it a limitation on the proposal? If a limitation, is it for total cost or is it per phase (base and option).

With the current available budget, NASA does not anticipate awarding more than \$100 K for all work outlined in the SOW, both Tasks 3.1 and Option Task 3.2. The results of proposal evaluation will determine the number and value of awards that result in the best value for the Government.

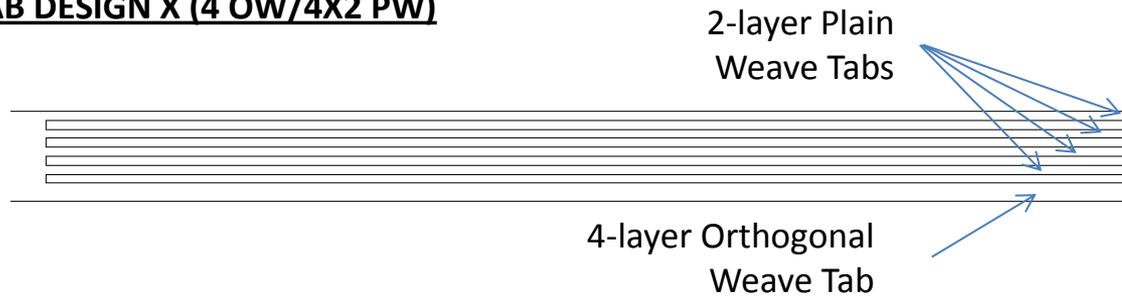
2. What is meant by 10 layers "incrementally" stitched in the description for the optional task? Description makes it difficult to price.

Incremental stitching in this case would be the stitching of tabs that are composed of 1-4 layers of carbon weave. There could be as many as 10 tabs on the edges of each carbon fabric panel. The concept is to stitch adjacent tab layers where two carbon fabric gore panels intersect (lap seam) in order to design a robust seam capable of withstanding the aerothermal heat pulse. When the top stitch layer ablates away, the next layer below would still be intact. A simplified schematic is attached to illustrate the concept further. Other proposed embodiments of the incremental stitched concept are welcome, but perhaps requires a better understanding of the end use application, weaving limitations, and better defined requirements.

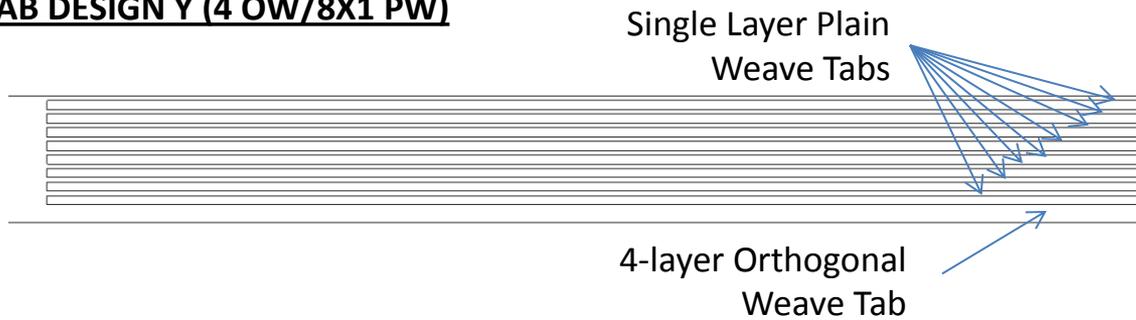
**SUPER WEAVE A with Tab Features**

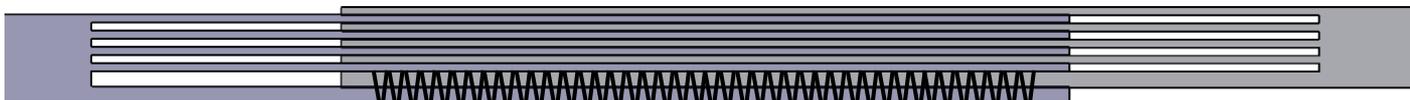


**TAB DESIGN X (4 OW/4X2 PW)**



**TAB DESIGN Y (4 OW/8X1 PW)**





Showing bottom layer tabs only for clarity.