


PRODUCT DATA SHEET		CONTRACTOR NAME: FEDERAL-FABRICS-FIBERS, (3F)	
			
1. PART NUMBER: SS-4040		2. NSN:	
3. NAME: SHELTER SYSTEM, 4040		4. TYPE: AIRBEAM TENT	5. CLASS: AIRBEAM
6. COLOR: GREEN - 1 / TAN - 2		7. SUPPORT SYSTEM: AIRBEAM/AIRFRAME	8. SERIES: 4000
9. INTENDED USE: GENERAL PURPOSE, COMMAND POST, MAINTENANCE, HOSPITAL, BILLETING			
10. DIMENSIONS (IN FEET AND INCHES)	LENGTH: 40'	WIDTH: 40'	HEIGHT: RIDGE / EAVE 20
11. DIMENSIONS (EXTERNAL GUYED)	LENGTH: 64'	WIDTH: 64'	
12. SQUARE FEET INTERIOR: 2025 SQ FT			
13. WEIGHT: 2450 LBS (POUNDS, UNPACKAGED)		14. WEIGHT: 2490 (POUNDS, PACKAGED)	15. SHIPPING CUBE: 520 CU. FT. (PACKAGED)
16. SHIPPING CONTAINER	LENGTH: 96"	WIDTH: 120"	HEIGHT: 78"
17. SET-UP TIME / NUMBER OF PERSONS: 40 / 6		18. STRIKE TIME / NUMBER OF PERSONS: 40 / 12	
19. PARTS INCLUDED:			
AIRFRAME (AF-4032) OUTER SKIN (OS-4032) INSIDE SKIN (IS-4032) STAKING KIT (SK-4032) REPAIR KIT (RK-4032) BAG (BA-4032)			
20. DESCRIPTION: SHELTER SYSTEM, 40' WIDE X 40' LONG X 20' HIGH			
SHELTER CONFIGURATION: 2 LARGE SINGLE OPERATOR MAINTENANCE DOORS, REMOVABLE FLOOR, ANCHOR TIE DOWN POINTS, SOLAR SHADE READY			

21. SUPPORT EQUIPMENT:	PART NUMBER/ NSN	Included or Optional	DESCRIPTION
LIGHT SET Product Data Sheet		OPT	
ELECTRICAL OUTLET SET Product Data Sheet		OPT	
FLOORING Product Data Sheet		OPT	
HEATER Product Data Sheet		OPT	
AIR CONDITIONER Product Data Sheet		OPT	
GENERATOR Product Data Sheet		OPT	
POWER DISTRIBUTION Product Data Sheet		OPT	
TRAILER MOUNTED SUPPORT SYSTEM Product Data Sheet		OPT	
INSULATED LINER Product Data Sheet		OPT	
INSULATED FLOORING Product Data Sheet		OPT	
SOLAR SHADE/ CAMOU. NETT Product Data Sheet		OPT	

Test	Description (Abbreviated)	Company Tested	Government Lab Test Report
Temperature Range Operational	Minus ___ to plus ___ degrees F	<input type="checkbox"/>	<input type="checkbox"/>
Temperature Range Storage	Minus ___ to plus ___ degrees F	<input type="checkbox"/>	<input type="checkbox"/>
Erect Time/ # of Persons		<input type="checkbox"/>	<input type="checkbox"/>
Strike Time/ # of Persons		<input type="checkbox"/>	<input type="checkbox"/>
Durability	Withstand 300 erect/strike cycles	<input type="checkbox"/>	<input type="checkbox"/>
Field Life	Minimum of 5 years	<input type="checkbox"/>	<input type="checkbox"/>
Shelf Life	Minimum of 10 years.	<input type="checkbox"/>	<input type="checkbox"/>
Wind Load, Steady	Steady wind speed of 55 mph for 30 minutes and resist rain intrusion	<input type="checkbox"/>	<input type="checkbox"/>
Wind Load, Gusts	Three occurrences of wind gusts to 65 mph during minute steady wind speed of 65 mph and resist rain intrusion.	<input type="checkbox"/>	<input type="checkbox"/>
Rain, Steady	2 inches per hour for 30 minutes	<input type="checkbox"/>	<input type="checkbox"/>
Rain, Wind Driven	2 inches per hour for thirty minutes with wind speeds of mph and with three occurrences of wind gusts to 20 mph within the	<input type="checkbox"/>	<input type="checkbox"/>
Humidity	Ambient humidity between zero and 100%, regardless of temperature	<input type="checkbox"/>	<input type="checkbox"/>
Salt Fog	Shall withstand exposure to a salt fog atmosphere for months.	<input type="checkbox"/>	<input type="checkbox"/>
Snow Load	10 pounds per square foot for 12 hours without damage	<input type="checkbox"/>	<input type="checkbox"/>
Detectability/Blackout Test	Five observations with night vision goggles from ** meters and with the naked eye from *** meters.	<input type="checkbox"/>	<input type="checkbox"/>
Condensation	Shall minimize condensation on the inside of the tent that may adversely effect personnel or loss of mission capability.	<input type="checkbox"/>	<input type="checkbox"/>
Sunlight	Withstand exposure to direct sunlight for months with material temperatures up to *** degrees F	<input type="checkbox"/>	<input type="checkbox"/>
Blowing Sand and Dust	Not degraded beyond use in a blowing sand and dust environment.	<input type="checkbox"/>	<input type="checkbox"/>
Insects	Shall resist physical damage from entry of insects from the exterior, including flying insects from penetrating screening mesh diameter of ***	<input type="checkbox"/>	<input type="checkbox"/>
Mildew and Fungus	Shhall not sustain the growth of fungus under any conditions, in accordance with ASTM G-21	<input type="checkbox"/>	<input type="checkbox"/>
Petroleum Resistance	All components shall resist damage by petroleum products such as, but not limited to, diesel fuel and jet fuel	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical Shock and Vibration	In transit bag, shall withstand a simple harmonic motion amplitude of inches, frequency from ** to ** Hertz for hours in each of three perpendicular directions *total test time of ___ hours.	<input type="checkbox"/>	<input type="checkbox"/>

Rough Handling/Transit Drop	In transit bag, shall withstand ** drops from a minimum of **feet at ** degrees and at ** degrees F.	<input type="checkbox"/>	<input type="checkbox"/>
Roll	In transit bag, shall withstand a circular synchronous mode at 300RPM for no less than 45 minutes.	<input type="checkbox"/>	<input type="checkbox"/>
Breaking Strength	Fabric breaking strength shall be a minimum of **lbs in the warp and ** lbs in the fill	<input type="checkbox"/>	<input type="checkbox"/>
Cold Crack	Shall be resistant to cold crack at minus ** degrees F when tested in accordance with ASTM D2136	<input type="checkbox"/>	<input type="checkbox"/>
Dead Load Seam Strength	Fabric seams shall withstand a **lb load for 4 hours at 160 degrees F and a **lb load for 4 hours at room temperature.	<input type="checkbox"/>	<input type="checkbox"/>
Flame Resistance	In accordance with IAW ASTM-D 6413-99 Standard Test Method for Flame Resistance of Textile (Vertical Text)	<input type="checkbox"/>	<input type="checkbox"/>
Lighting Support	Shall support two fluorescent field light sets or one incandescent bulb for each nine feet of floor length.	<input type="checkbox"/>	<input type="checkbox"/>
Mapboard Support	Shall provide connections for the Modular Command Post Map Board and support strap system specified by MIL-B-44381 and	<input type="checkbox"/>	<input type="checkbox"/>
Ventilation	Shall provide non-powered ventilation to maintain a comfortable interior, with an inside temperature no higher than	<input type="checkbox"/>	<input type="checkbox"/>
Electrical Supply Feed Through	The electrical supply feed through shall permit the passage of wire bundles up to 5 inch diameter	<input type="checkbox"/>	<input type="checkbox"/>
ECU Feed Through	The environmental Control Unit (ECU) feed through shall permit the passage of 18 inch diameter ducts (standardized	<input type="checkbox"/>	<input type="checkbox"/>
Stovepipe Shield	The stovepipe shield shall permit the passage of 18 inch diameter ducts (standardized military specification design)	<input type="checkbox"/>	<input type="checkbox"/>
Windows	Allows for blackout, outdoor light entry and ventilation	<input type="checkbox"/>	<input type="checkbox"/>
Wrappers, Transport/Storage Covers	Allows for storage and transport of all intended components	<input type="checkbox"/>	<input type="checkbox"/>