

## Specifications

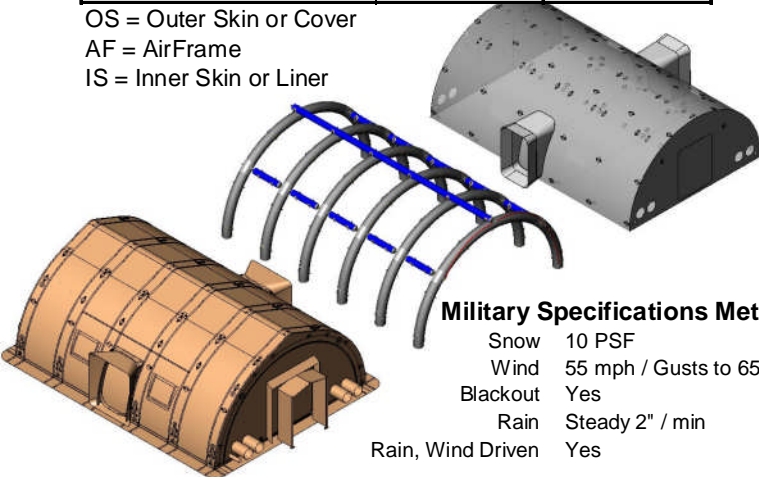
**2538-10      2545-10**

	2538-10	2545-10
<b>Arches</b>	6	7
<b>Floor Size W x L</b>	25 x 37.54 ft	25 x 44.75 ft
Interior, Clear Span	7.6 x 11.44 m	7.6 x 13.64 m
<b>Floor Area</b>	938 sq. ft	1119 sq. ft
Interior, Clear Span	97.2 sq. m	103.9 sq. m
<b>Weight</b>	1010 lbs	1270 lbs
Outer Skin & AirFrame	458 kg	576 kg
<b>Packaged Dimensions</b>	48 x 80	54 x 80
<b>Roll, Diam x L</b>	122 x 203 cm	137 x 203 cm
<b>Packaged Volume</b>	83.8 cu. ft	105.4 cu. ft
(OS, AF, & IS)	2.37 cu. m	2.98 cu. m
<b>Set-Up (Undercanopy)</b>		
Time (min) / Personnel	16 / 2	19 / 2
<b>Set-Up (Full Load Cap.)</b>		
Time (min) / Personnel / Compressor (min)	30 / 4 / 130	40 / 4 / 153
<b>Strike</b>		
Time (min) / Personnel	40 / 6	40 / 7
<b>Weight</b>		
OS, AirFrame, and IS	<b>1200 lbs</b>	<b>1450 lbs</b>
	<b>544 kg</b>	<b>658 kg</b>

OS = Outer Skin or Cover

AF = AirFrame

IS = Inner Skin or Liner



### Military Specifications Met

Snow	10 PSF
Wind	55 mph / Gusts to 65
Blackout	Yes
Rain	Steady 2" / min
Rain, Wind Driven	Yes



### Basic Model Includes

<b>AirFrame</b>	Arches - Number is dependent on the length of the shelter. Ridge Purlin - 1, Purlins (Model Dependent)
<b>Outer Skin (Cover)</b>	Includes 2 Personnel Doors with rain flaps Anchor Tie down points, Sandbag Flaps Removable Floor, Solar Shade Ready
<b>Inflation Manifold</b>	Two Manifolds, using one inch ID hose with appropriate connections for the particular AF needed.

### Available Upgrades from Basic Model

<b>Windows</b>	Several window size options are available.
<b>Additional Doors</b>	Man doors, 80"x 84", CARGO, and Full Span.
<b>Removable Ends</b>	Can be optioned.
<b>Utility Ports</b>	ECU Ports are typically 16" diameter Electrical Wire ports are 5" diameter
<b>Anchoring Kits</b>	Standard kit for Class 1, 2, and 3 Soils includes: 12" and 18" long Tent Pins. Class 4 Soil Anchor Kit includes: 18" and 24" Ground Penetrators. Asphalt Anchor Kit includes: 12" and 18" long Tent Pins, Asphalt Repair plugs.

### Available Accessories

<b>Connectors</b>	Full Span Width (End to End) Door to Door (End-End, Side-Side, End-Side)
<b>Inflator</b>	Blower / Compressor Dual Inflation Unit Several Voltage Options Available BL-260-BCHP-110160
<b>Inner Skin (Liner)</b>	HDPE, Light weight fabric to match Outer Skin configuration. Includes Light, ECU Plenum, and 100 Lb Hangers, R-value 2
<b>CB Inner Skin</b>	M-28 Type Liner to match Outer Skin configuration. Includes Light, ECU Plenum, and 100 Lb Hangers, R-value 2
<b>Insulation Layer</b>	Single Bubble, Foil / White 5/32" Thick Insulation layer. Increases Insulation value and yields 97% Infrared Reflectance Net R-value - TBD
<b>Insulation Liner</b>	Multi-Layered Insulation, with I.R. reflective layer. Available in the near future. Expected R-value 6-10.
<b>Solar Shade Kits</b>	Solar Shade Knitted Canopy Solar Purlin Beams Manifold needed to inflate Solar Purlin beams. Greatly reduces Solar Incident Load.
<b>Hard Flooring</b>	Several Hard Floor options are available.
<b>Flexible Photovoltaic Panels Compatible</b>	Photovoltaic Panels may be connected to both the Outer Skin or Solar Shade
<b>ECU's</b>	Environmental Control Units
<b>HVAC Plenums</b>	Feed and Return Plenums are available.
<b>Light Kits</b>	Several Light Kit Options are available.



<b>PRODUCT DATA SHEET</b>		<b>CONTRACTOR NAME:FEDERAL FABRICS AND FIBERS, (3F)</b>	
<b>1.PART NUMBER:SS-2538-10-RP</b>		<b>2.NSN</b>	
<b>3.NAME:SOFT SHELTER, 2538</b>	<b>4.TYPE:AIRBEAM TENT</b>		<b>5.CLASS:AIRBEAM</b>
<b>6.COLOR:GREEN - 1 / TAN - 2</b>	<b>7. Support System:AIRBEAM/AIRFRAME</b>		<b>8.SERIES:2500</b>
<b>9. INTENDED USE:GENERAL PURPOSE, COMMAND POST, MAINTENANCE, HOSPITAL, BILLETING</b>			
<b>10.DIMENSIONS (IN FEET AND INCHES)</b>	<b>LENGTH:38'</b>	<b>WIDTH:25'</b>	<b>HEIGHT: RIDGE / EAVE 12.79'</b>
<b>11.DIMENSIONS (EXTERNAL GUYED)</b>	<b>LENGTH:57.54'</b>	<b>WIDTH:36'</b>	
<b>12.SQUARE FEET INTERIOR:938 SQ.FT.</b>			
<b>13.WEIGHT:1200 (POUNDS, UNPACKAGED)</b>		<b>14.WEIGHT:1226 (POUNDS, PACKAGED)</b>	<b>15.SHIPPING CUBE:83.8 CU. FT. (PACKAGED)</b>
<b>16SHIPPING CONTAINER</b>	<b>LENGTH:80"</b>	<b>WIDTH:48"</b>	<b>HEIGHT:48"</b>
<b>17.SET-UP TIME / NUMBER OF PERSONS:16 / 2</b>		<b>18.STRIKE TIME / NUMBER OF PERSONS:40 / 6</b>	
<b>19.PARTS INCLUDED:AIRFRAME AF-2538-10-RP, OUTSIDE SKIN COVER OS-2538-10-RP</b>			
<b>20.DESCRPTION: AIRBEAM SUPPORTED SOFT SHELTER, 25' WIDE X 38' LONG</b>			
<b>21. SUPPORT EQUIPMENT:</b>	<b>PART NUMBER Or NSN</b>	<b>Included or Optional</b>	<b>DESCRIPTION</b>
<b>LIGHT SET Product Data Sheet</b>			
<b>ELECTRICAL OUTLET SET Product Data Sheet</b>			
<b>FLOORING</b>			