

SS-2500-Series

Specifications

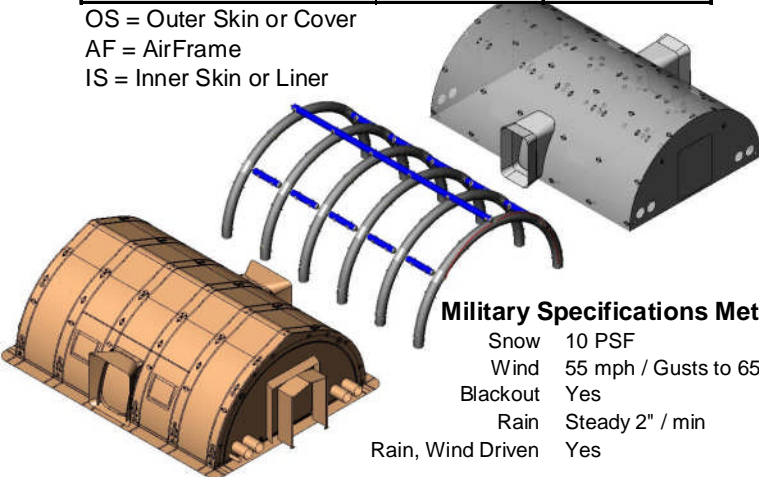
2538-10 2545-10

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

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

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

Available Upgrades from Basic Model

Windows	Several window size options are available.
Additional Doors	Man doors, 80"x 84", CARGO, and Full Span.
Removable Ends	Can be optioned.
Utility Ports	ECU Ports are typically 16" diameter Electrical Wire ports are 5" diameter
Anchoring Kits	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

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



PRODUCT DATA SHEET		CONTRACTOR NAME:FEDERAL FABRICS AND FIBERS, (3F)	
1.PART NUMBER:SS-2545-10-RP		2.NSN	
3.NAME:SOFT SHELTER, 2545	4.TYPE:AIRBEAM TENT		5.CLASS:AIRBEAM
6.COLOR:GREEN - 1 / TAN - 2	7. Support System:AIRBEAM/AIRFRAME		8.SERIES:2500
9. INTENDED USE:GENERAL PURPOSE, COMMAND POST, MAINTENANCE, HOSPITAL, BILLETING			
10.DIMENSIONS (IN FEET AND INCHES)	LENGTH:45'	WIDTH:25'	HEIGHT: RIDGE / EAVE 12.79'
11.DIMENSIONS (EXTERNAL GUYED)	LENGTH:64.75'	WIDTH:36'	
12.SQUARE FEET INTERIOR:1119 SQ.FT.			
13.WEIGHT:1450 (POUNDS, UNPACKAGED)		14.WEIGHT:1481 (POUNDS, PACKAGED)	15.SHIPPING CUBE:105.4 CU. FT. (PACKAGED)
16SHIPPING CONTAINER	LENGTH:80"	WIDTH:54"	HEIGHT:54"
17.SET-UP TIME / NUMBER OF PERSONS:19 / 2		18.STRIKE TIME / NUMBER OF PERSONS:40 / 7	
19.PARTS INCLUDED:AIRFRAME AF-2545-10-RP, OUTSIDE SKIN COVER OS-2545-10-RP			
20.DESCRPTION: AIRBEAM SUPPORTED SOFT SHELTER, 25' WIDE X 45' LONG			
21. SUPPORT EQUIPMENT:	PART NUMBER Or NSN	Included or Optional	DESCRIPTION
LIGHT SET Product Data Sheet			
ELECTRICAL OUTLET SET Product Data Sheet			
FLOORING			