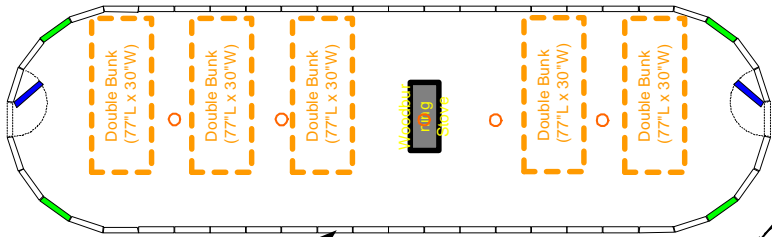


Four-Season, Double-walled Folded Homes SegYurts

Add as many rectangular SegYurt Segments as necessary between the two half-circle end parts to create arbitrarily long SegYurt shelters

SegYurt-16

5-Double-Bunk-Extended Yurt Shelter with wood-burning stove



Sixteen 19" (0.4826m) wide SegYurt segments add 240 square feet (22.3 sq. meters) to the SegYurt-16 area which with the two 34.85 sq. ft. (3.24 sq. meter) half-round ends creates a 309.7 sq. ft. (28.77 sq. meter) shelter

Latching Dutch-door upper

(cut-away view) Hollow 3-inch-thick walls, roof, doors & windows can be packed with any insulating material, including locally available biomass, to act as a heat retaining agent. Alternately, the inter-wall space can be kept empty in hot environments to leverage passive ventilation to keep the SegYurt cool.

Door Transom

At each end of the SegYurt a Dutch-door and two windows provide ventilation and natural light.

Vent Cap with pipe provides ventilation and allows installation of a stove or other heat source

Assembly Tab

Overhanging eave

Soffit

Latching Window

Strong bolt-action door latch operates with handles on both sides and locks from the inside

Ground flaps around the SegYurt divert rain away from the walls and properly weighed down (with earthen berms, rocks, logs or stakes) secure it in all but the heaviest winds

Locking Dutch-door bottom. (Alternately full-length door.)

Access Portals on interior face of each wall and roof of panel (for placement of bolts and insulation)

Roof vents located every five segments along the apex of the segmented straight core

One or more 19-inch long SegYurt segments each add 15 square feet of living space to the SegYurt

Transverse triangular ceiling beam installed between each pair of rectangular wall and roof parts and bolted through the four existing roof bolt locations

