

Africa
Dry desert climate
Hunter Doyle



A vernacular brick home in Africa



Mud applied to the surface every year

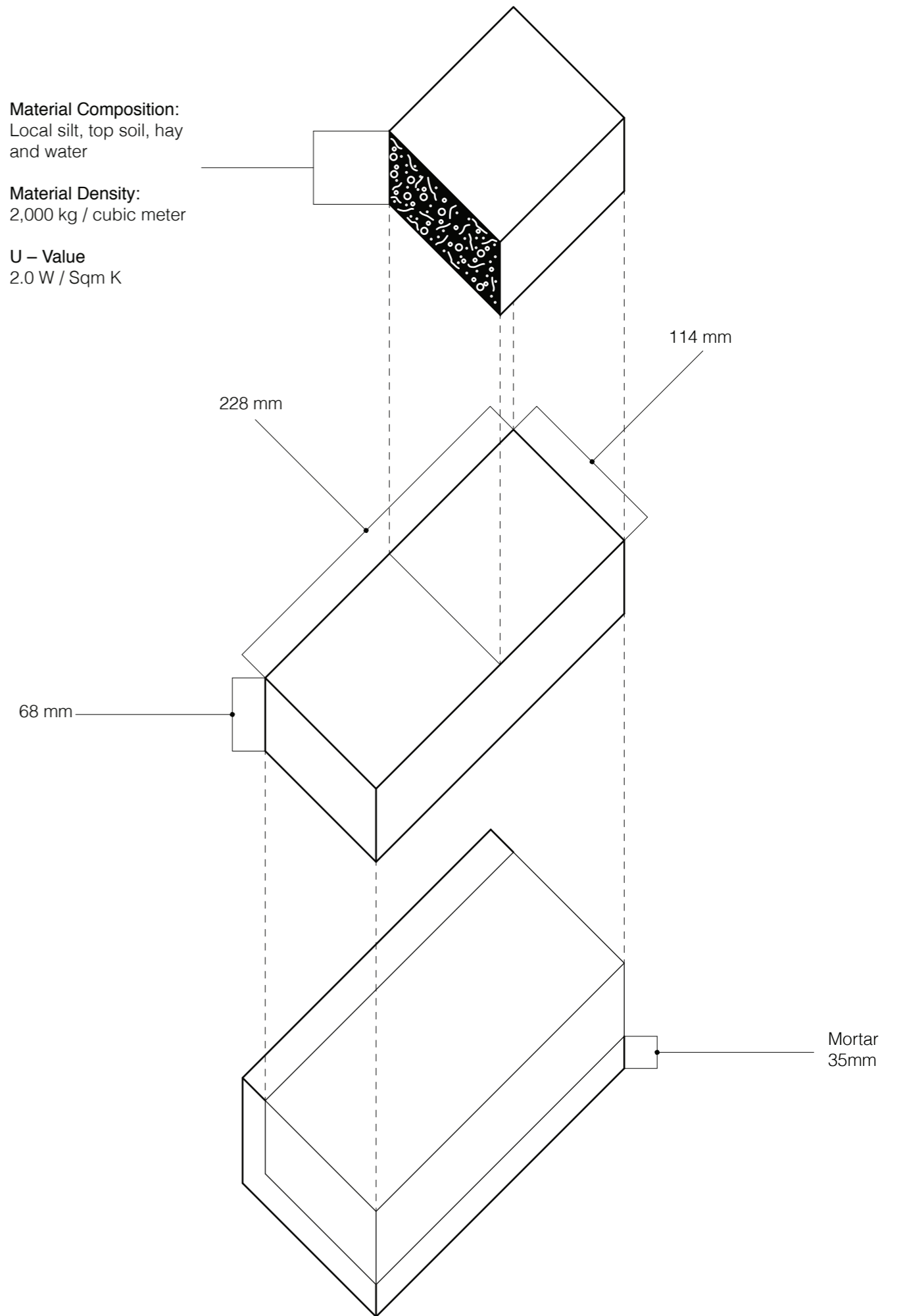


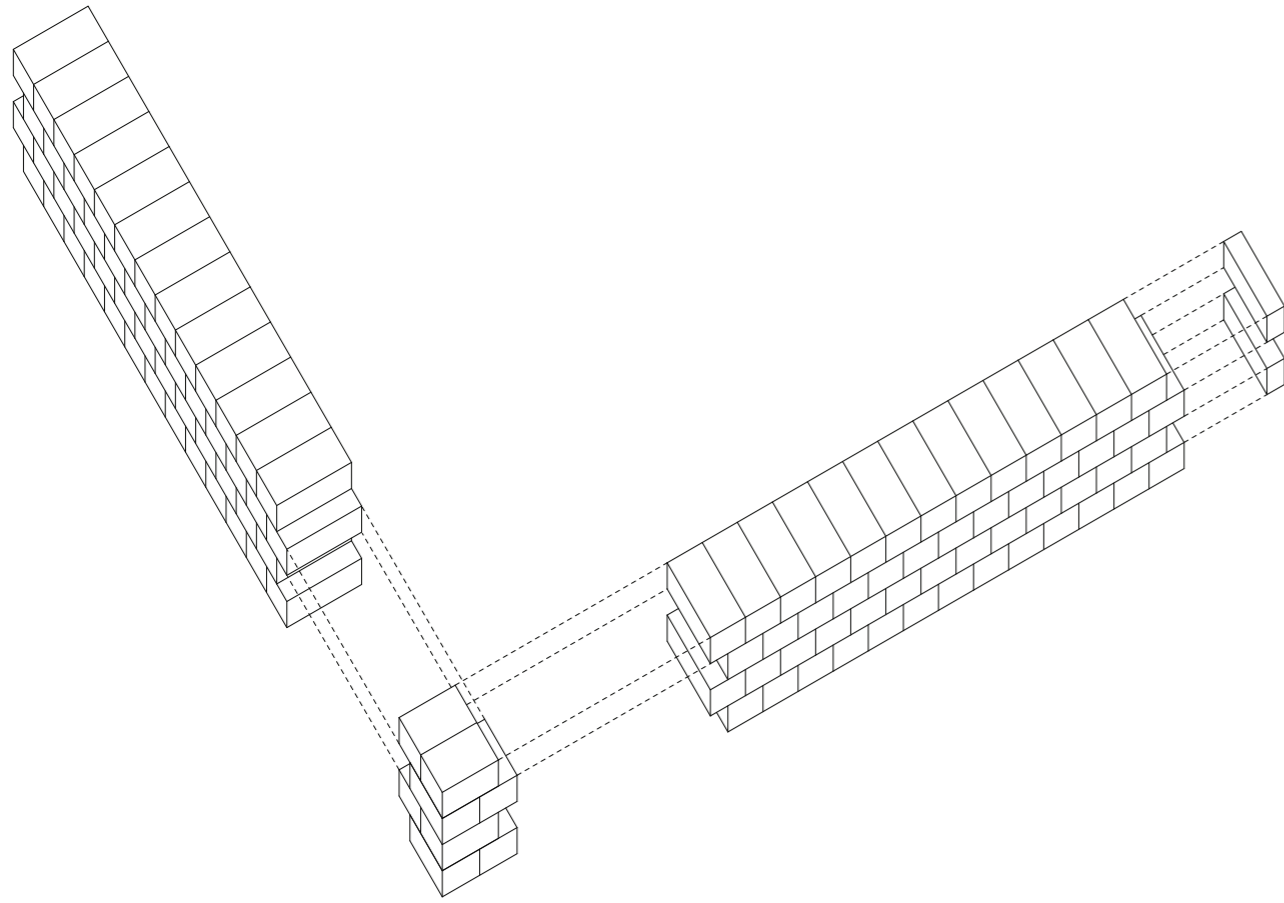
Overtime this mud builds up an increasing thickness

Material Composition:
Local silt, top soil, hay
and water

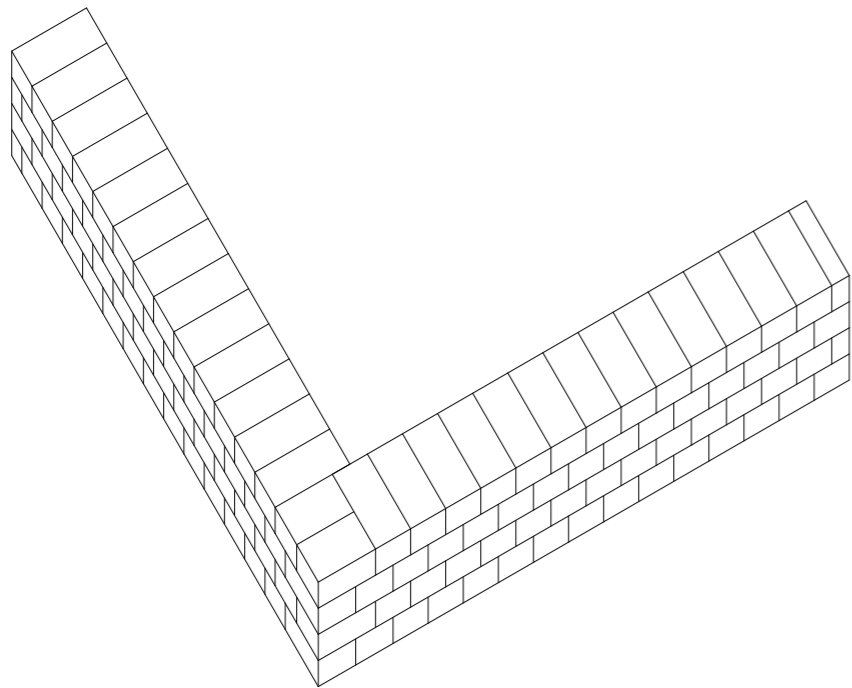
Material Density:
2,000 kg / cubic meter

U – Value
2.0 W / Sqm K





Composed with a header bond



Thinner layer at top
allows heat to escape

Thicker build up at
bottom retains cool air

mud insulation

3 2 1
years

Mud insulation on either side
helps hold humidity in the dry
climate

thickness = 228mm + variable mud layer

