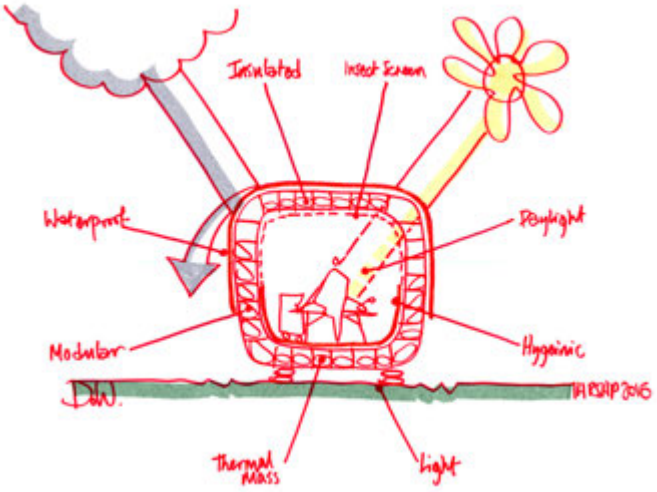
Global Clinic



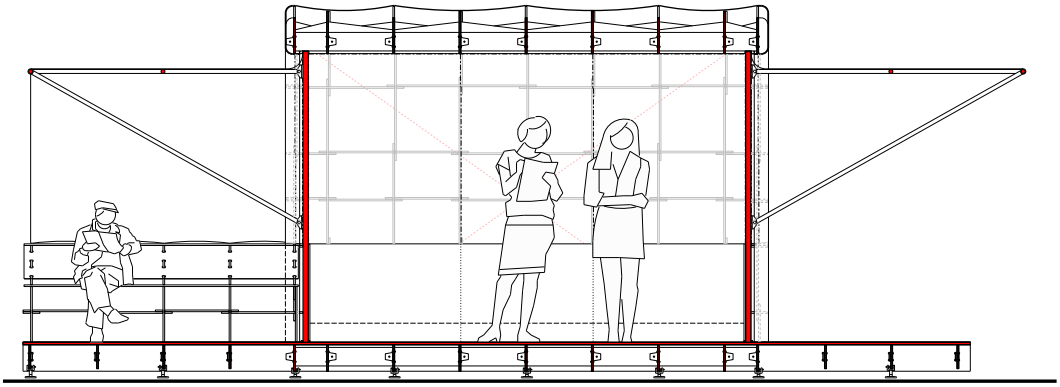
Date
2017-2018

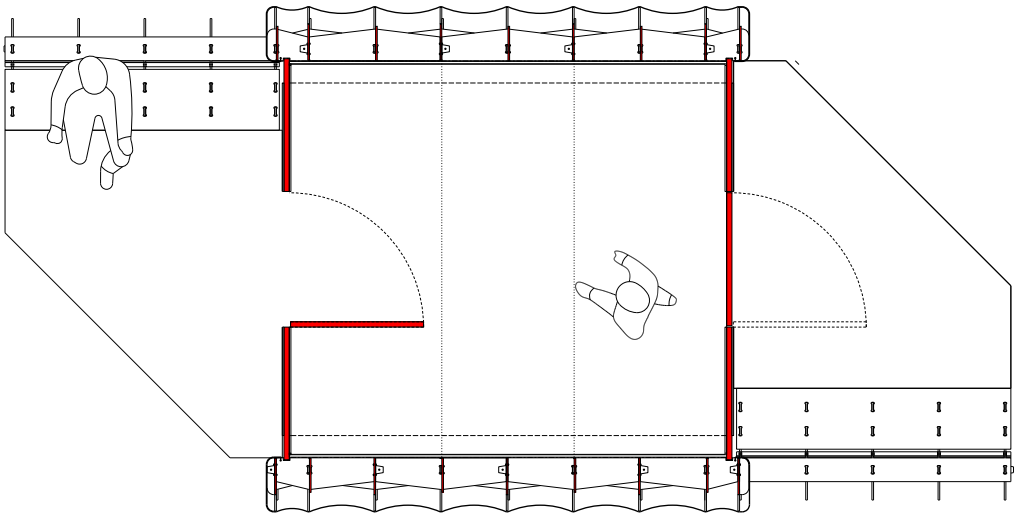
Client
Doctors of the World

Location
Deployable

Structural engineer
BuroHappold Engineering

Services engineer
ChapmanBDSP





The Global Clinic has been developed to meet the urgent need to provide flexible, robust structures for delivering healthcare in emergency situations and remote locations all over the world, where tents prove too flimsy and shipping containers too difficult to transport.

A typical mobile clinic is 17 sq m (height 3.2m x width 3.5m x depth 6.8m) which includes a treatment area and a sheltered waiting space with mobile phone charge facilities. The system can be adapted to provide treatment pods in various sizes from 8.5 sq m to 17 sq m. With ease of deployment one of the main criteria of the design, the process in which each clinic is built was made simple and flexible. Each clinic is made of locally sourced materials where available with all the kit-of-part files able to be sent via email or via a USB stick to reduce the costs and increase efficiency. The clinic building is made from plywood and constructed by a CNC (computer numerical control) machine, which is both adaptable and strong. The frame can be erected within a half-day by people unskilled in construction without the use of special tools or working at height

Easy to transport and build, these structures hold the potential to be the temporary health clinic of the future.

A 1:1 prototype of the Global Clinic was sponsored by the Wellcome Collection in London to form part of their ‘Living with Buildings’ exhibition in 2018.