



ELEVATION OF THE RAMMED EARTH WALL



ELEVATION OF THE OPERABLE WOODEN DOORS

InsideOut is a school prototype built in Yeboahkrom, a rural village in Ghana where the wind had destroyed the only school in the area. This non-profit project, designed by Andrea Tabocchini & Francesca Vittorini, won several international awards and was **constructed in 60 days with just 12 000 euro, together with the local population** and volunteers from 20 different countries.

Since no electricity was available it was **built by hand, crafting natural materials available on site** (earth, wood, and vegetation), moving by hand 58 000 kg of soil and planing 3km of wood with 2 hand planers.

The lack of resources and the site limitations become the opportunity to propose a **sustainable design** that merges architecture and landscape: the staggered walls of the classrooms are built by compacting the local earth, a light wood structure lifts the roof up, allowing zenithal light into the building, and generates a natural ventilation of the spaces, while the vegetation of the garden becomes the continuation of the porches, increasing the shaded spaces to study outdoor.

The result is a work that blurs the boundary between inside and outside, offering an alternative to standard introverted classrooms and proposing an **affordable and easily replicable design** that values the local know-how and pushes its limits.

INSIDEOUT SCHOOL

ANDREA TABOCCHINI & FRANCESCA VITTORINI



SCHOOL IN THE LANDSCAPE



INTERIOR OF A CLASSROOM



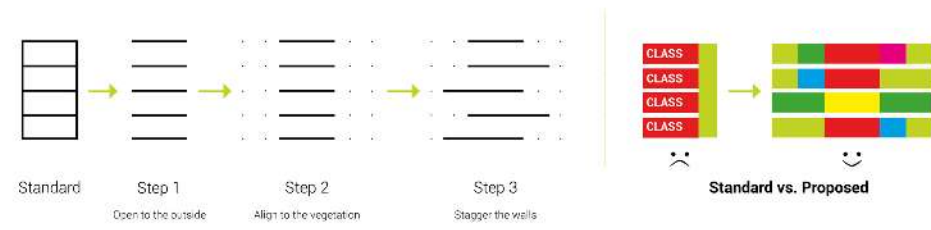
OUTDOOR PORCH OF A CLASSROOM



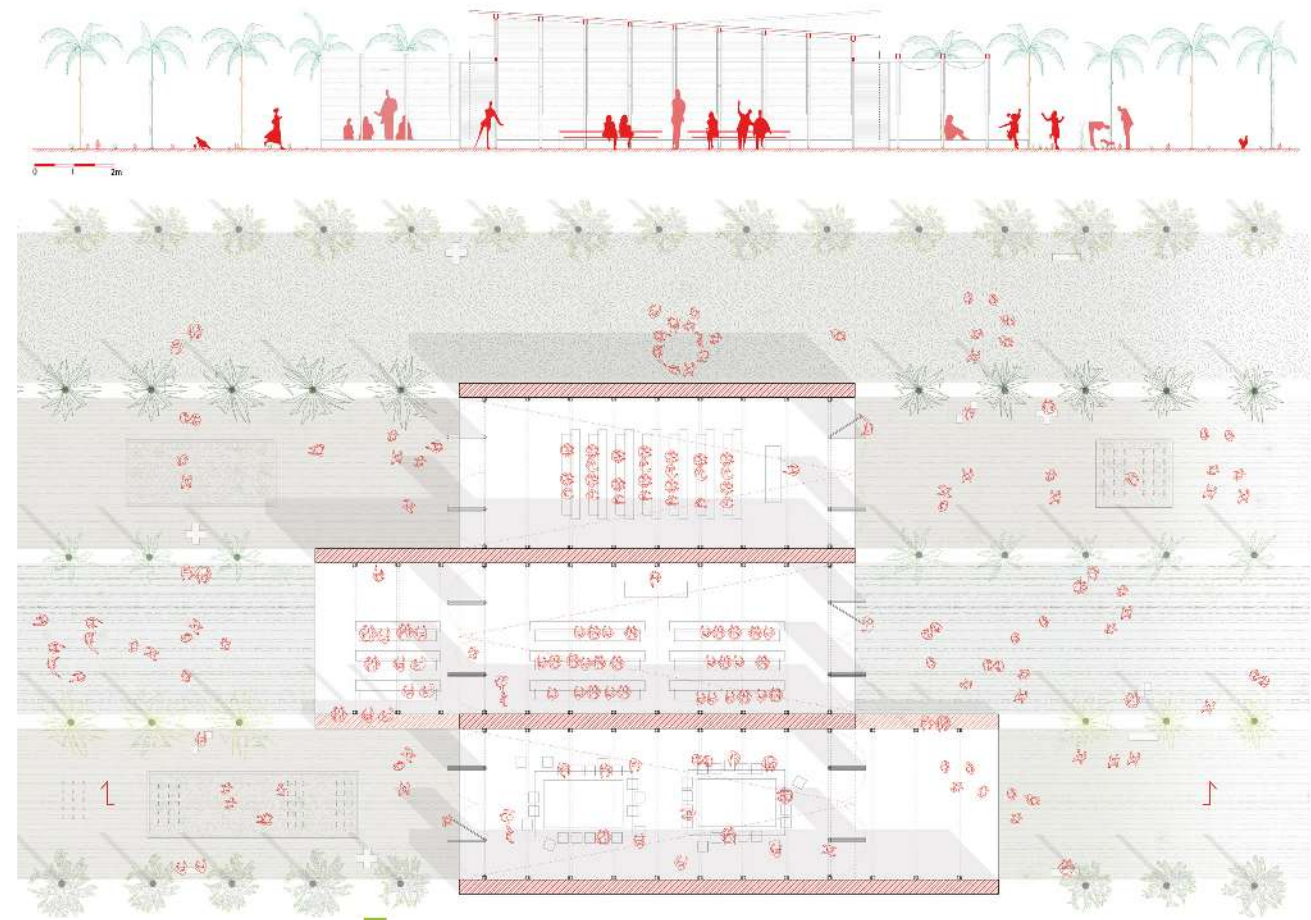
ROOFSCAPE

INSIDEOUT SCHOOL

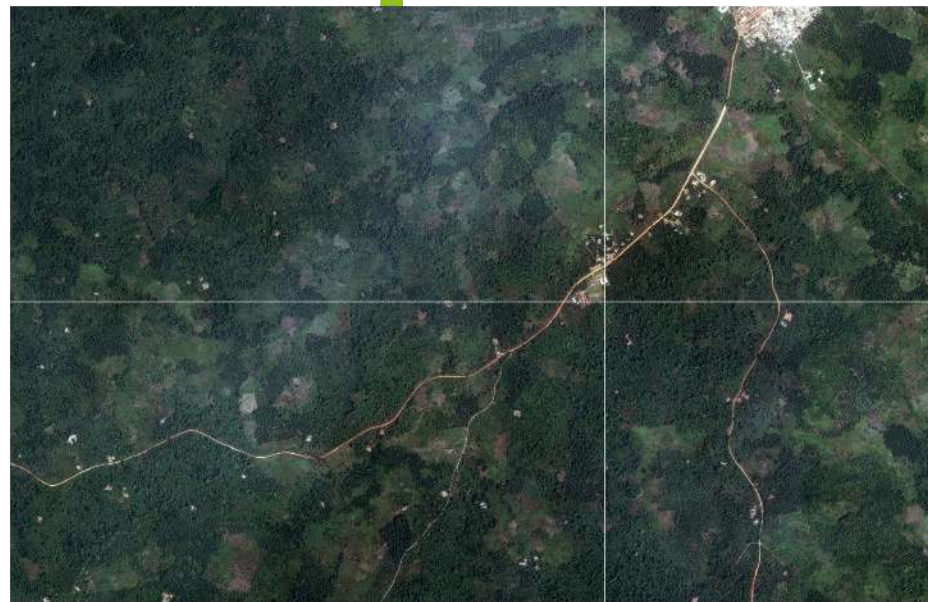
ANDREA TABOCCHINI & FRANCESCA VITTORINI



REFERENCES & CONCEPT



SECTION & PLAN



SITEPLAN

INSIDEOUT SCHOOL

ANDREA TABOCCHINI & FRANCESCA VITTORINI



CONSTRUCTION OF THE WOODEN STRUCTURE



EARTH MIX FOR THE WALLS



CONSTRUCTION OF THE FOUNDATION



REMOVAL OF THE WOODEN FORMWORK OF THE WALLS