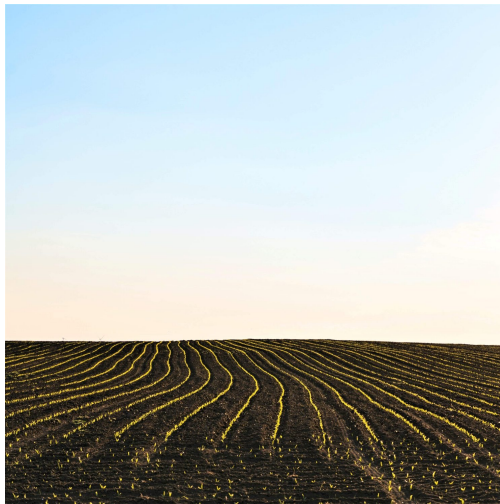


earth house



earth houseは、土を主成分とした自然由来の3DP壁と木軸フレームによって構成される「環境と健康」をテーマにした新しい住宅です。それはサーキュラーエコノミーの理念に基づき、土から生まれ土に還るか再利用し続けられる家を、ローカル工務店の助けを借りてセルフビルドに近い形で比較的容易に建築できることを目指すものです。

model aは、昨年夏の設計開始から半年弱の期間を経て本年1月に完成しました。建屋は3つの集成材による門型フレームと梁で構成される木軸と3つの円弧状3DP土壁で構成される15㎡程度の単純なシリンダー形状の1ルームです。昨年秋のプリンター稼働開始以来、極めて短時間で操作/出力技術の習得～出力に適した土や石灰などから成る基材配合について試行錯誤が行われ、一般的な建売住宅で使用される汎用性の高い材料や既成サッシを用いて建設されました。

当面は、より実用的でサステナブルなモデルハウスの開発を継続して行うことを通じ、我々が地球上で健やかにあり続けられる未来の暮らし/住まいについて考えます。

そして既に100㎡程度のmodel bの計画に着手しています。

earth house is the future house with the theme of “ sustainability and wellness”, consisting of natural 3DP walls made mainly of earth and a wooden frame.It is based on the idea of circular economy, and it aims ultimately to make it possible to build a house that is born from and returned to the earth or reused, with an ease close to self-build (with the help of a local construction company).

Model A was completed in January of this year, a little less than half a year after the design began last summer.

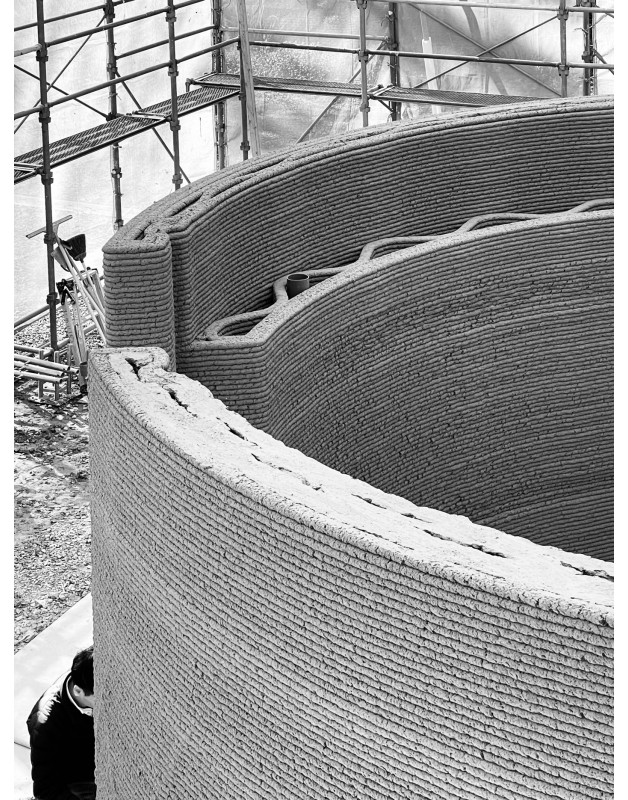
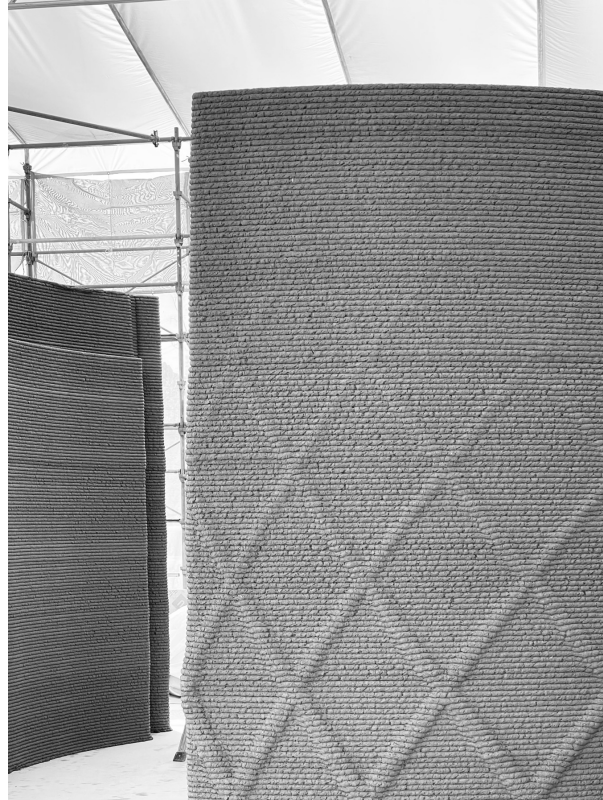
The building is a simple cylinder-shaped room of about 10 square meters, consisting of wooden structure consisting of three gate-shaped frames and beams made of laminated wood and three arc-shaped 3DP earthen walls.Since the printer started operating last fall, we have learned the operating/output techniques in an extremely short period of time, and have gone through trial and error to find the base material composition of soil, lime, etc. that is suitable for output.It was constructed using highly versatile materials and prefabricated sashes used in ordinary houses.

For the time being, we will continue to develop more practical and sustainable model houses.

We will explore future lifestyles/housing that will allow us to continue to live in good health on earth.

And we have already begun planning for a model B of approximately 100 m2.









Lib Earth House model A



