



CASADELAVIDA.TECH

design&build : : bioclimatic design, nature-based solutions and materials, hempcrete



hempcrete



strawbale panels



RYE STRAW



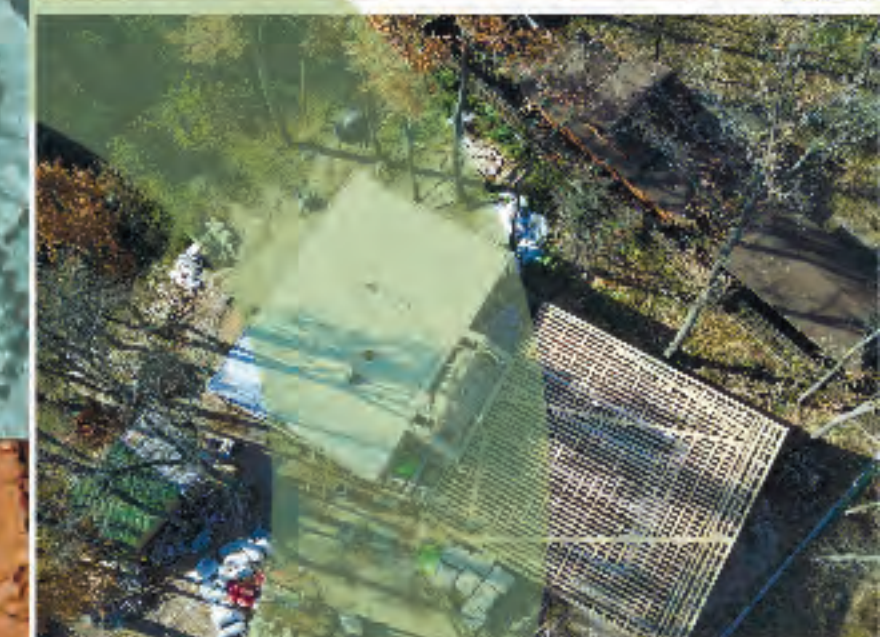
LIMESTONE



CLAY



HEMP HURD



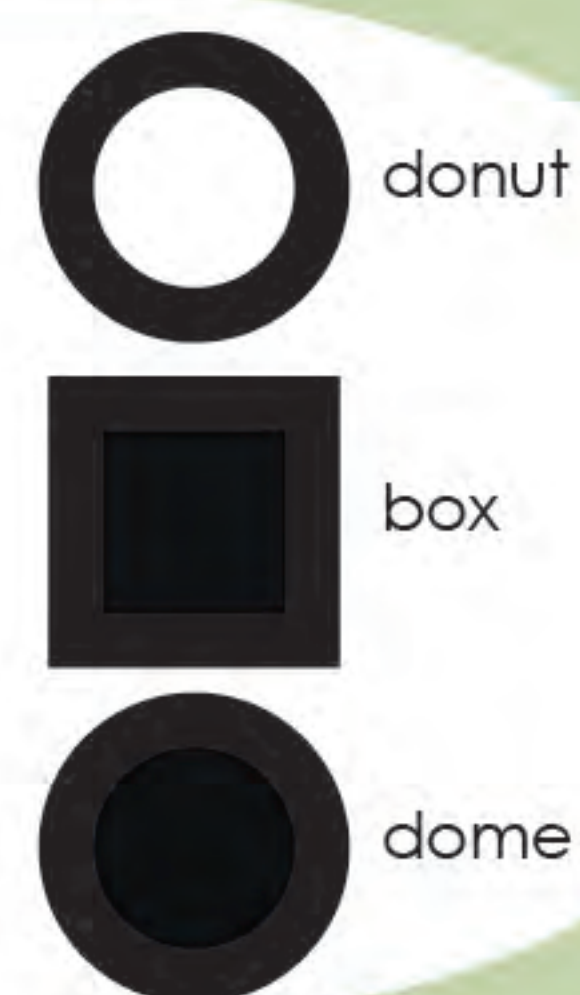
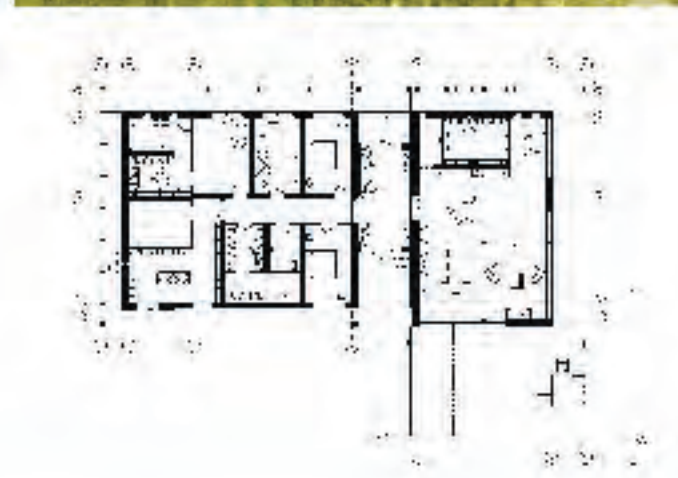
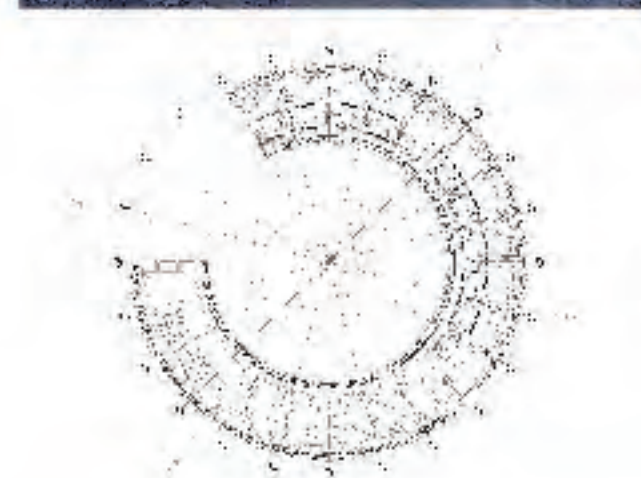
NATURE-BASED MATERIALS

- Sustainable: natural, renewable and degradable.
- Energy-efficient: excellent insulation properties.
- Moisture regulation: excellent moisture regulation properties that helps to prevent the growth of mold.
- Durable: minimal maintenance for decades, easily renovated.

- Lightweight: reduce the overall weight of the building (220-400 kg/m3).
- Non-toxic: no harmful chemicals or substances, cement as well.
- Fire-resistant: highly fire-resistant (50 sm wall - 60 EI).
- Pest-resistant: resistant to termites, carpenter millers and other pests due to lime.

- Carbon-negative: absorbs more carbon dioxide from atmosphere (165 kgCO2/m3).
- Soundproofing: excellent soundproofing properties, reduce noise pollution inside and outside (50 sm wall = 50Db).
- Customizable: highly adaptable to different building needs and variety of shapes and designs: domes, vaults, nurbs.
- Healthy: improve indoor air quality and promote a healthier living environment.

HEMPCRETE PREFERENCES

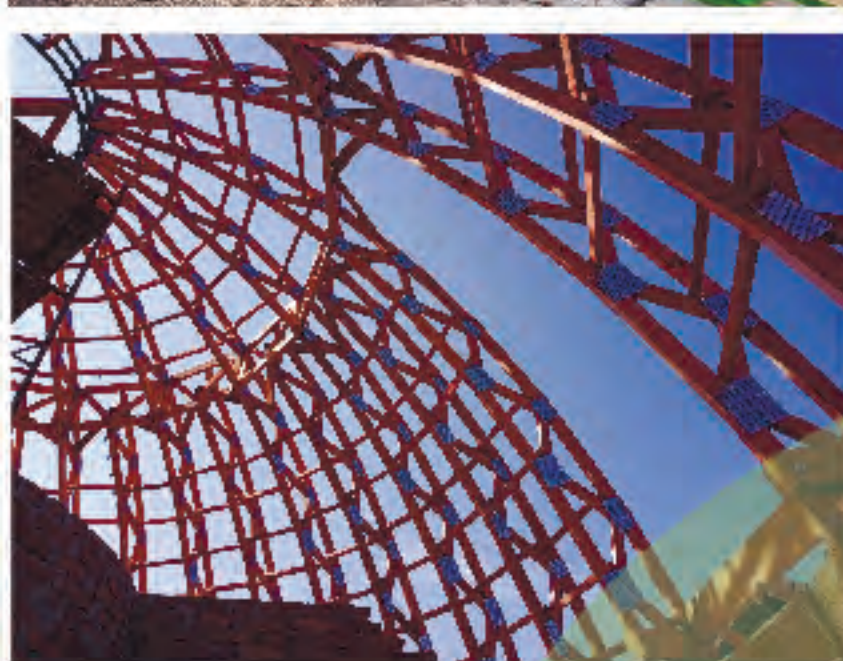
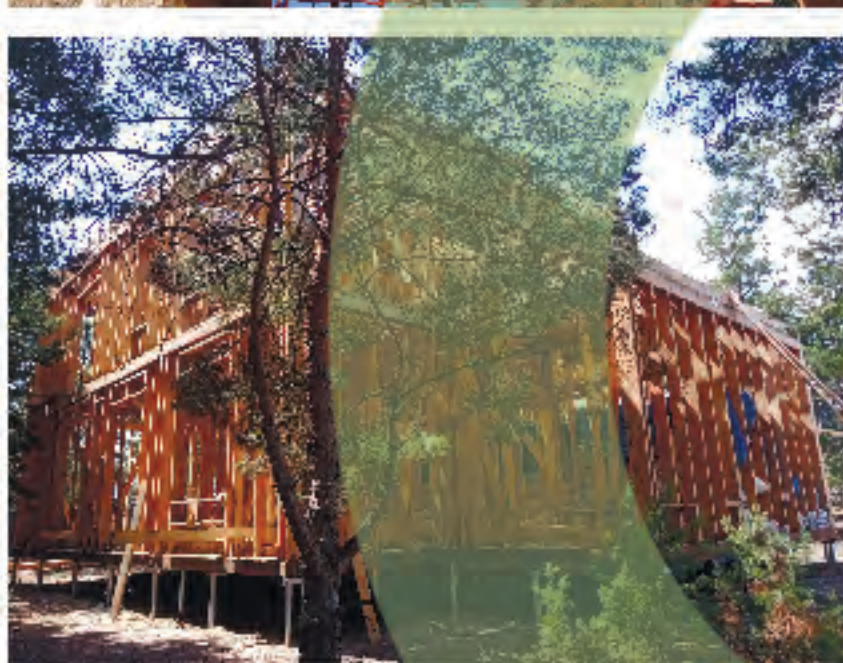
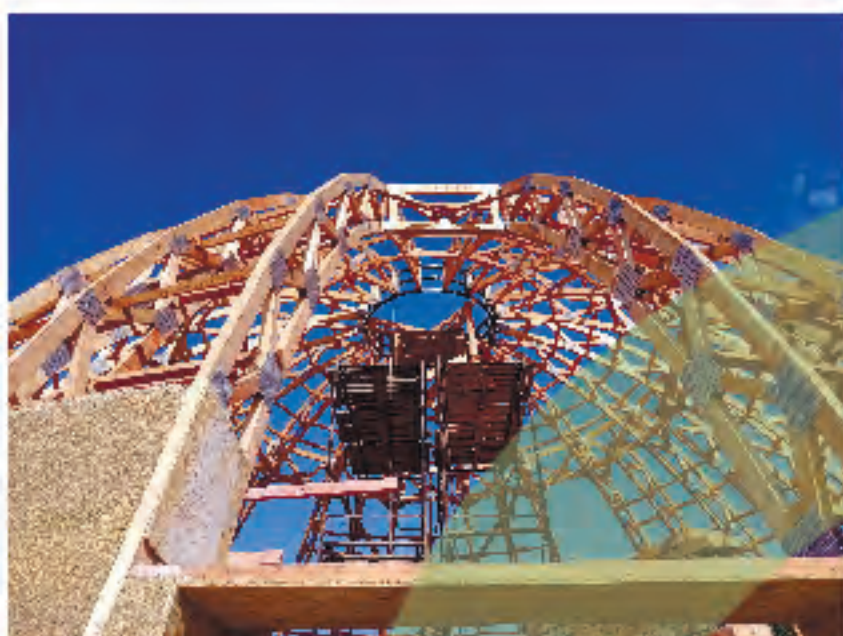
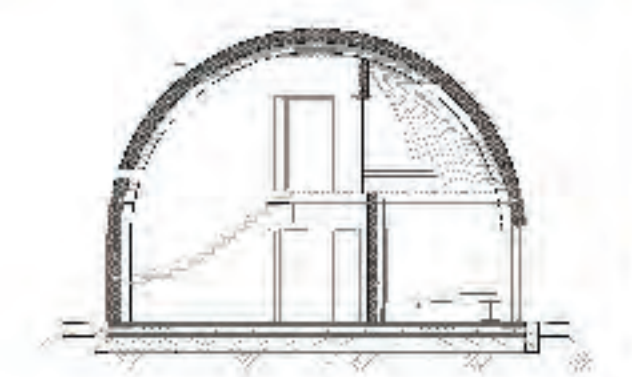


MAIN BUILDING TYPOLOGIES

2021 - 2022

30 buildings - all-phase design
8 buildings - construction started
10 R&D designs

technologies applied:
cast hempcrete, timber frame and truss, hybrid timber-steel frame, screw pile, strawbale panel, inner hempcrete insulation



EXPERIENCE

instagram: casa.design.build
fb: casadelavidas

<https://casadelvida.blogspot.com>
<http://casadelavida.tech/en>

