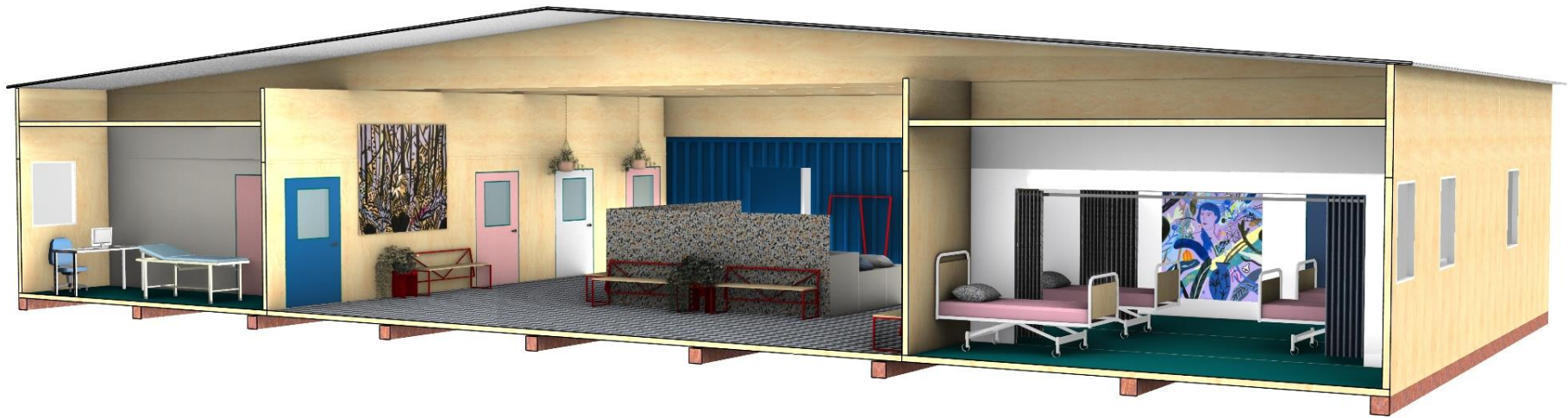


UNFPA ZAATARI MATERNITY CLINIC JORDAN



CASAGRANDE LABORATORY
MECHELININKATU 16, 00100 HELSINKI FINLAND

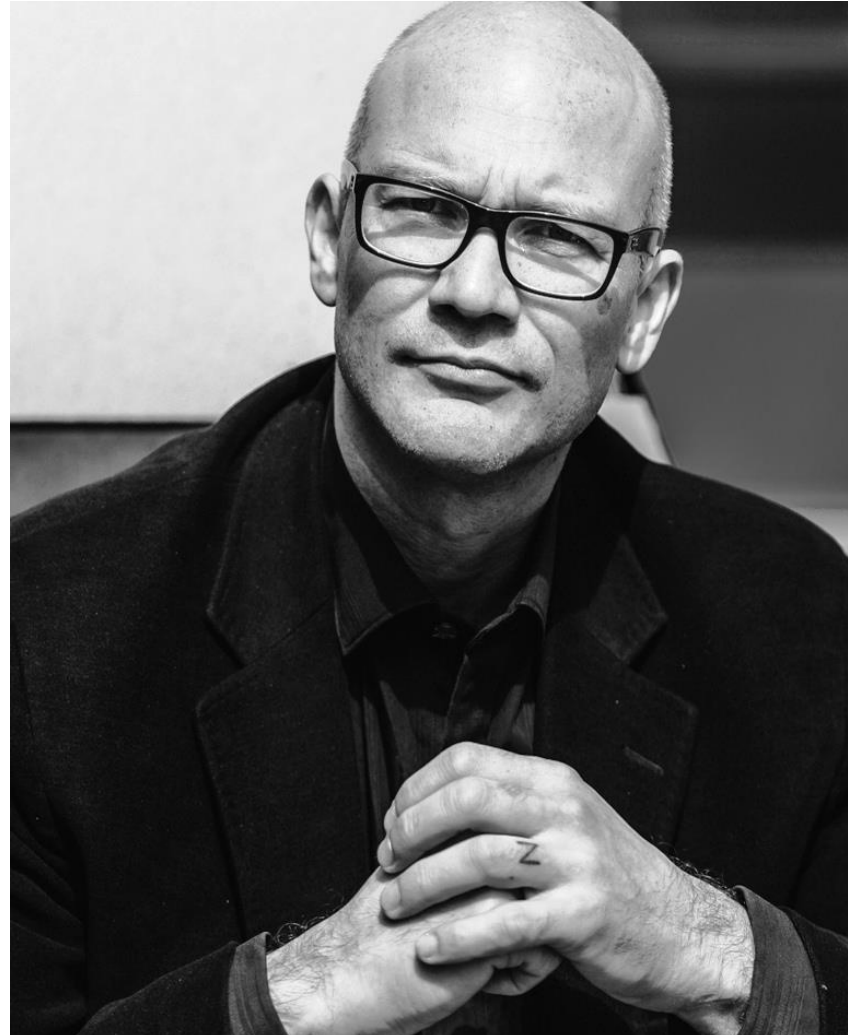
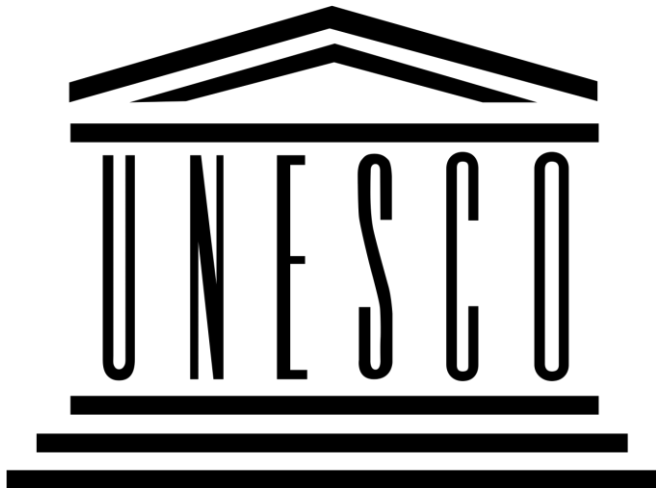
MARCO CASAGRANDE



ARCHITECT, ENVIRONMENTAL ARTIST, BIO-URBANIST

96 REALIZED WORKS IN 16 COUNTRIES

69 ACADEMIC WORKS IN 26 COUNTRIES - PROFESSOR



VENICE BIENNALE x 5 (2000, 2004, 2006, 2014, 2016), ITALY

FLORENCE BIENNALE OF CONTEMPORARY ART, ITALY

UNESCO GLOBAL AWARD FOR SUSTAINABLE ARCHITECTURE, FRANCE

VICTORIA & ALBERT MUSEUM, UK

LONDON ARCHITECTURE BIENNALE, UK

PUERTO RICO BIENNALE "EN RUTA", USA

ALASKA DESIGN FORUM, USA

MONTREAL BIENNALE OF CONTEMPORARY ART, CANADA

BUENOS AIRES BIENNALE, ARGENTINA

HAVANA BIENNALE OF CONTEMPORARY ART, CUBA

SENSORIA MELBOURNE, AUSTRALIA

YOKOHAMA TRIENNALE, JAPAN

ECHIGO-TSUMARI CONTEMPORARY ART TRIENNALE, JAPAN

CITIES ON THE MOVE, TAIWAN

TAIWAN DESIGN EXPO, TAIWAN

BEAUFORT TRIENNALE OF CONTEMPORARY ART, BELGIUM

OSLO TRIENNALE, NORWAY

PORTO DESIGN BIENNALE, PORTUGAL

MAK MUSEUM OF APPLIED ARTS, AUSTRIA

SHANGAHI BIENNALE, CHINA

SHENZHEN & HONG KONG BI-CITY BIENNALE OF, CHINA



la Biennale di Venezia

UNESCO GLOBAL AWARD FOR SUSTAINABLE ARCHITECTURE

-

EUROPEAN PRIZE FOR ARCHITECTURE

-

COMMITTEE OF INTERNATIONAL ARCHITECTURE CRITICS CICA AWARD

-

RED DOT DESIGN AWARD

-

LORENZO IL MAGNIFICO AWARD

-

WORLD ARCHITECTURE COMMUNITY AWARD

-

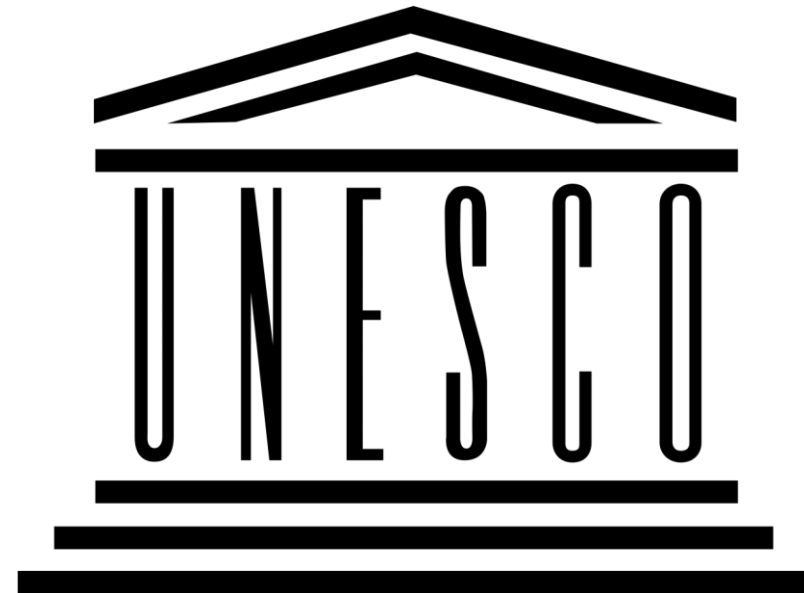
MONDO DR* AWARD

-

SUSTAINABLE DESIGN AWARD



red**dot** design award



VAASAN VIHHERLEHTO, FINLAND 2021

- Sustainable architecture. CLT cross-laminated timber apartment building, 6-floors. Pre-fabricated wooden spatial modules.



SEINÄJOEN TUOHI, FINLAND 2019

- Sustainable architecture. CLT cross-laminated timber apartment building, 6-floors. Pre-fabricated wooden spatial modules.



TAMPEREEN PUUKOUKKU, FINLAND 2017

- Sustainable architecture. CLT cross-laminated timber social housing, 4-floors. Pre-fabricated wooden spatial modules.



ECO CO-BLOCK, FINLAND 2022

- Sustainable community. CLT cross-laminated timber housing, 8-floors.





LAMMINRANTA, FINLAND 2021

- Combination of a kindergarten and elderly people care-take home in an all wooden building surrounded by carefully designed playgrounds and outdoor spaces. 2600 m2 in Tampere, Finland.





DOKKEN, NORWAY 2021

- All wooden sustainable new city part for Bergen, Norway. 420 000 m2.





Ut mot havet, Dokken sett fra nordvest



CASAGRANDE
LABORATORY

PROBIZ



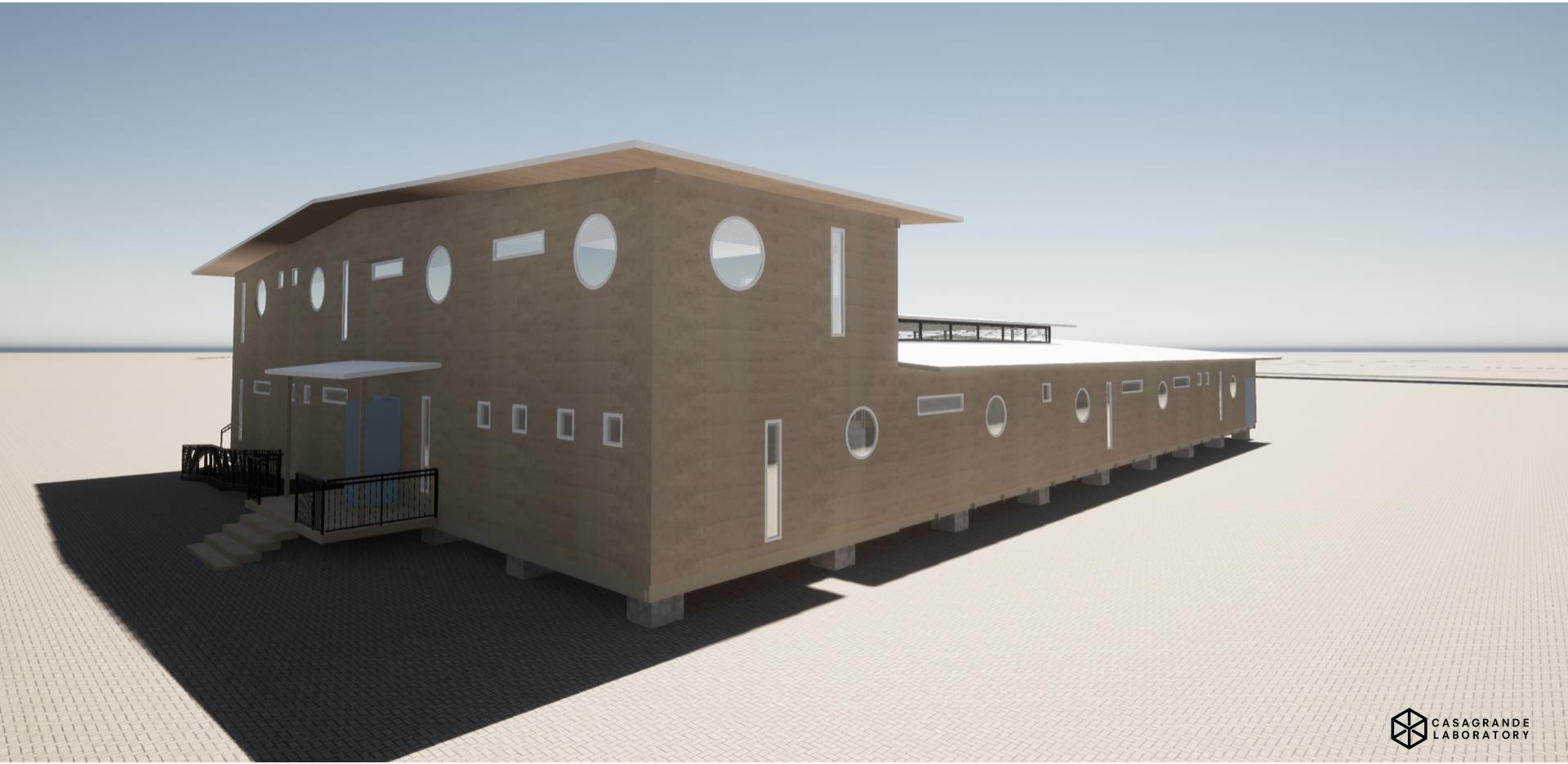
asplan viak

pmw





ZAATARI CLT MATERNITY CLINIC JORDAN





GENDER EQUALITY

REDUCED INEQUALITIES

GOOD HEALTH AND WELLBEING

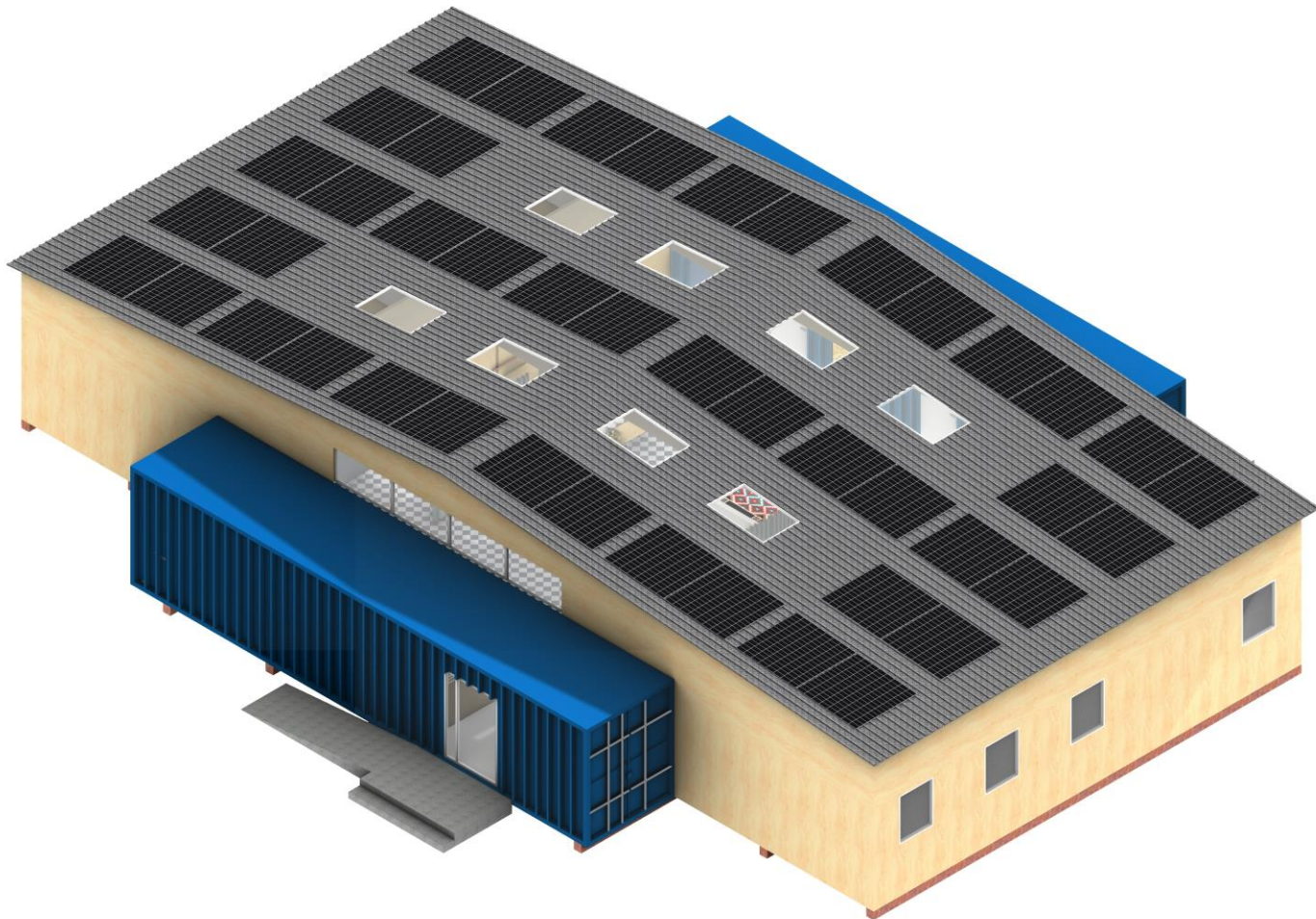
CLIMATE ACTION

RESPONSIBLE CONSUMPTION AND PRODUCTION

PEACE, JUSTICE AND STRONG INSTITUTIONS



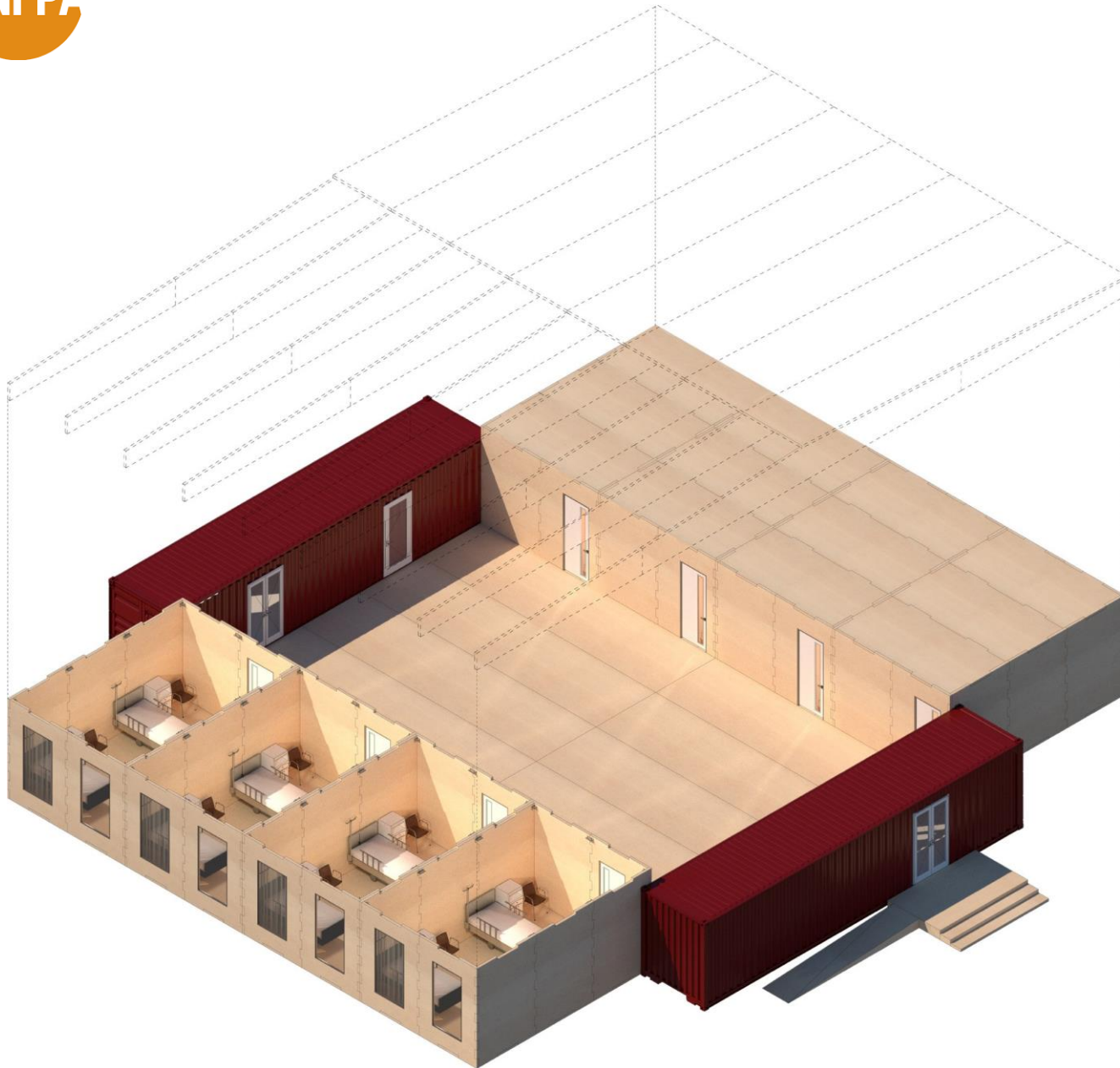




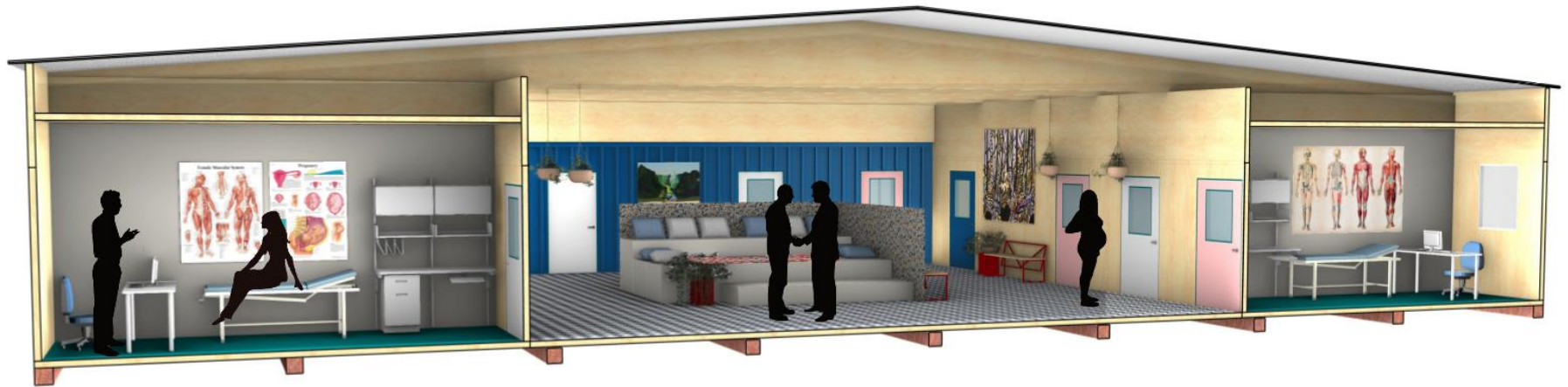
UNFPA-JHAS Maternity Clinic, Zaatari – conceptual model



Maternity Clinic, conceptual interior



Axonometric



Maternity Clinic, section



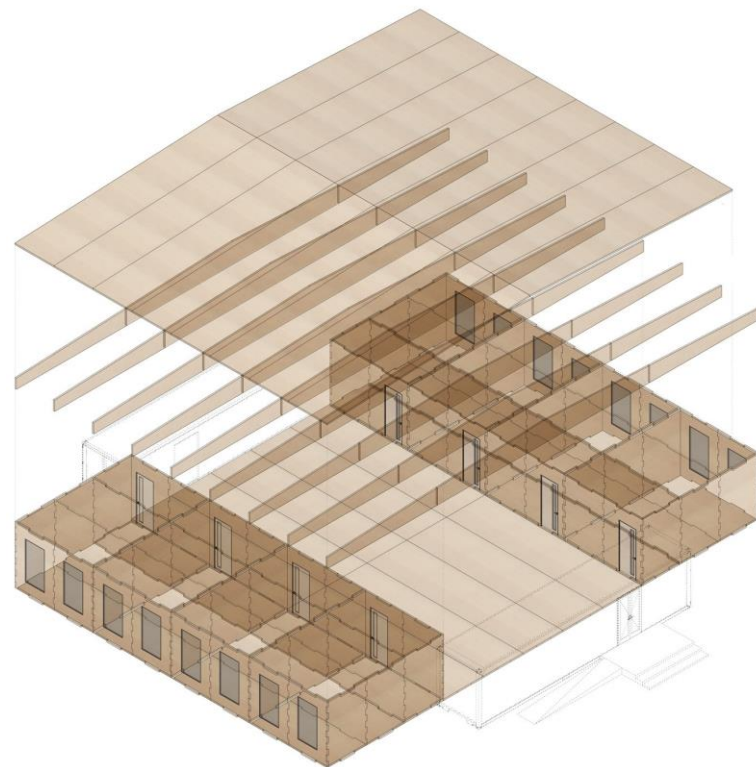
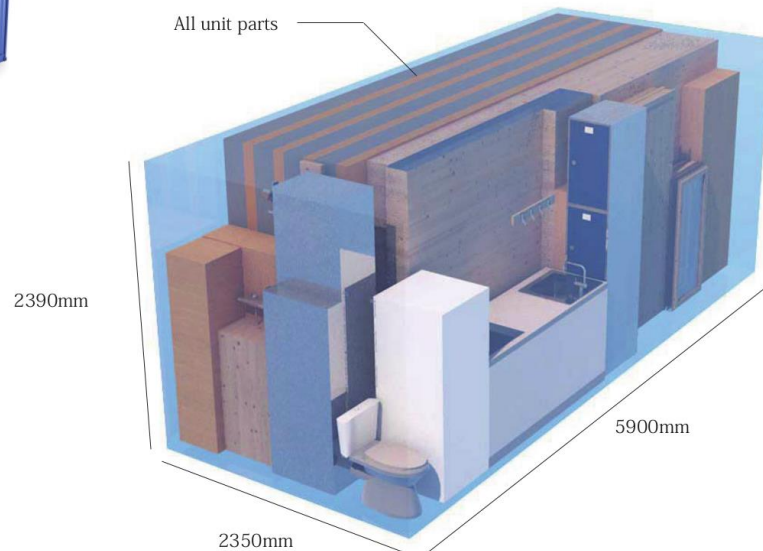
Maternity Clinic, section



Maternity Clinic, interior



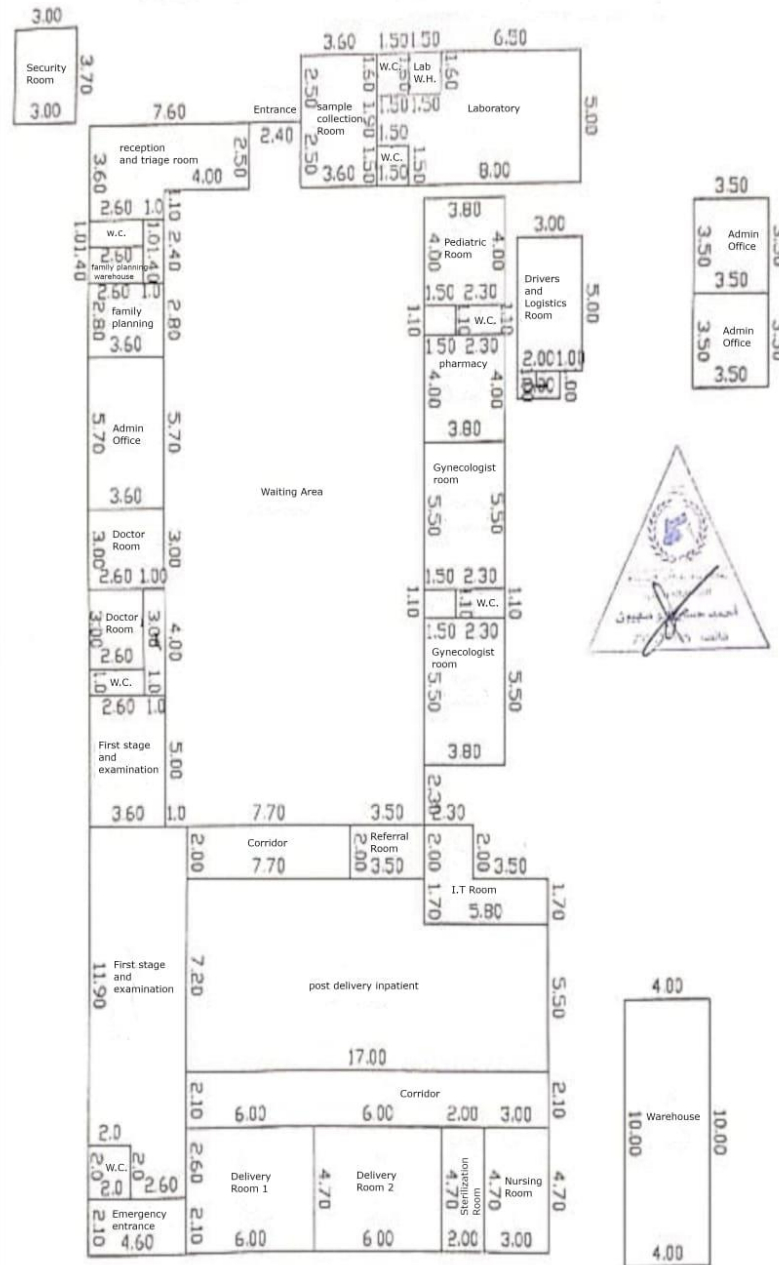
Shipping container



ALL CONSTRUCTION COMPONENTS FIT INTO SEA CONTAINERS









UNFPA ZAATARI MATERNITY CLINIC

ZAATARI REFUGEE CAMP FOUNDED YEAR 2012

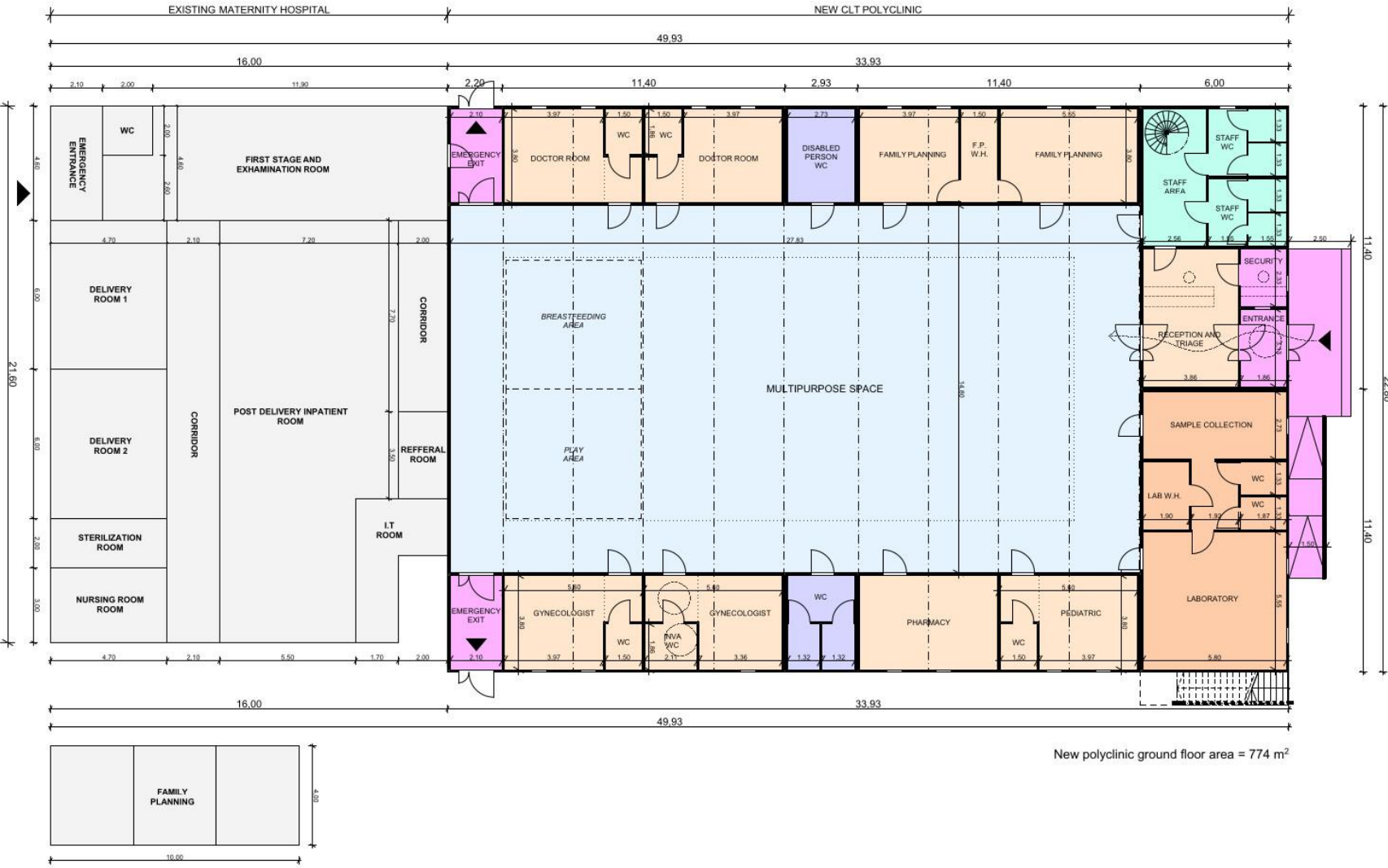
80 500 SYRIAN REFUGEES

UNFPA ZAATARIN MATERNITY CLINIC FOUNDED YEAR 2013

OPERATED BY JORDAN HEALTH AID SOCIETY INTERNATIONAL JHASi

15 980 NVB DELIVERIES, ZERO MATERNAL DEATHS 10/2022

983 m2

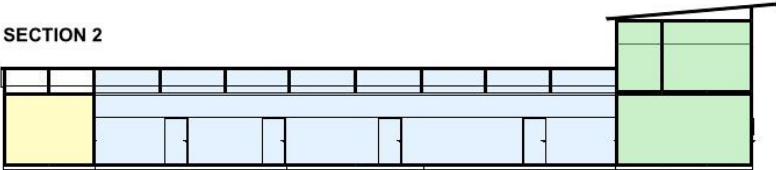


New polyclinic ground floor area = 774 m²

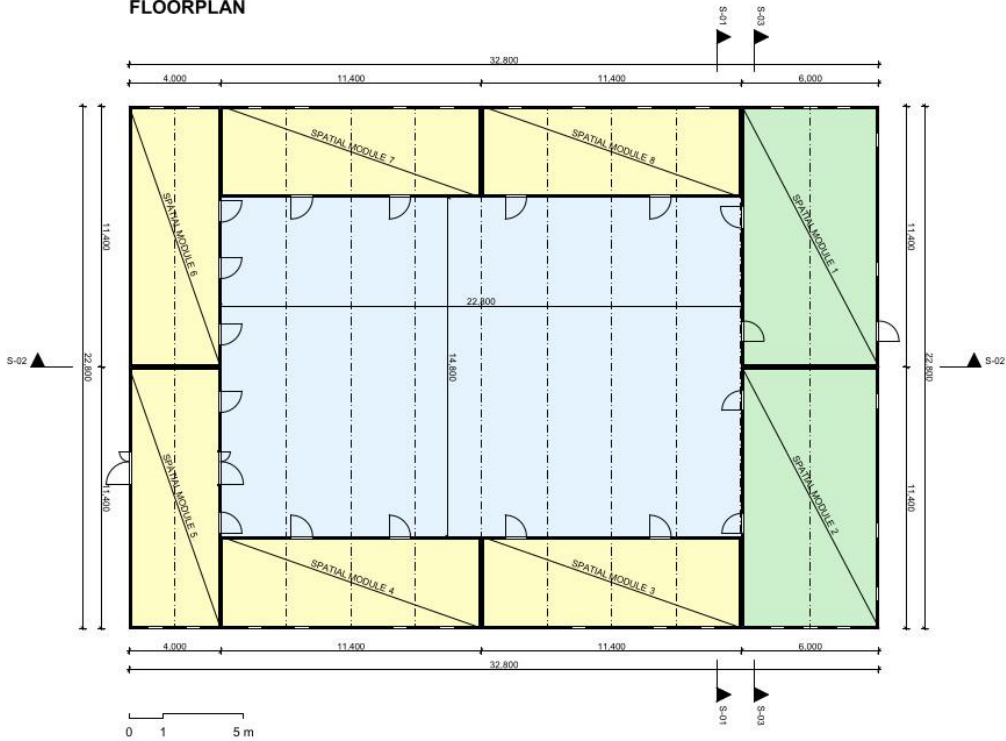


New polyclinic first floor area = 137 m²

SECTION 2

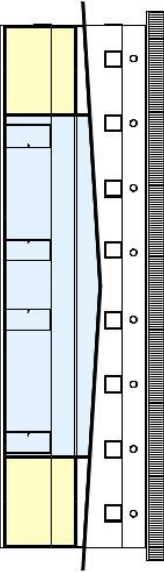


FLOORPLAN

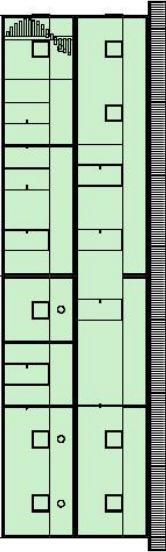


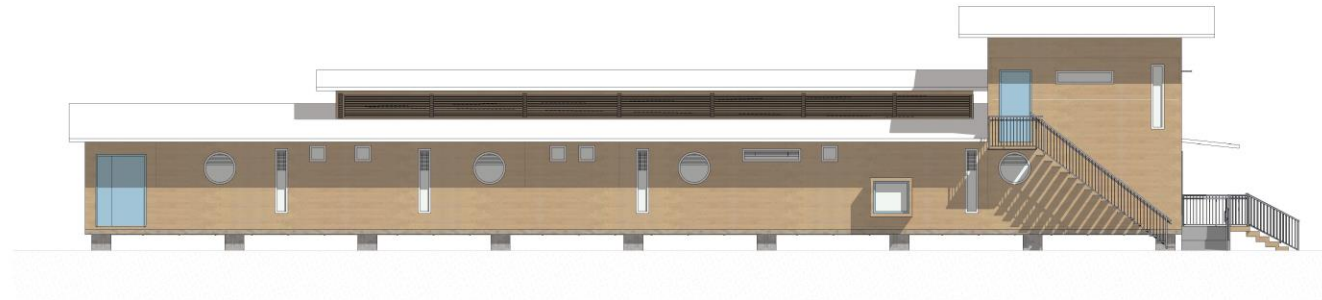
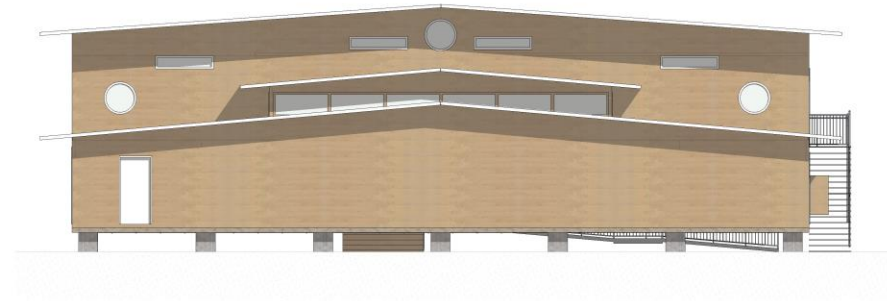
-  **MODULE A** - 6 kpl (4,0m x 11,4m)
-  **MODULE B** - 4 kpl (6,0m x 11,4m)
-  **VAULTED SPACE** - 22,8m x 14,8m

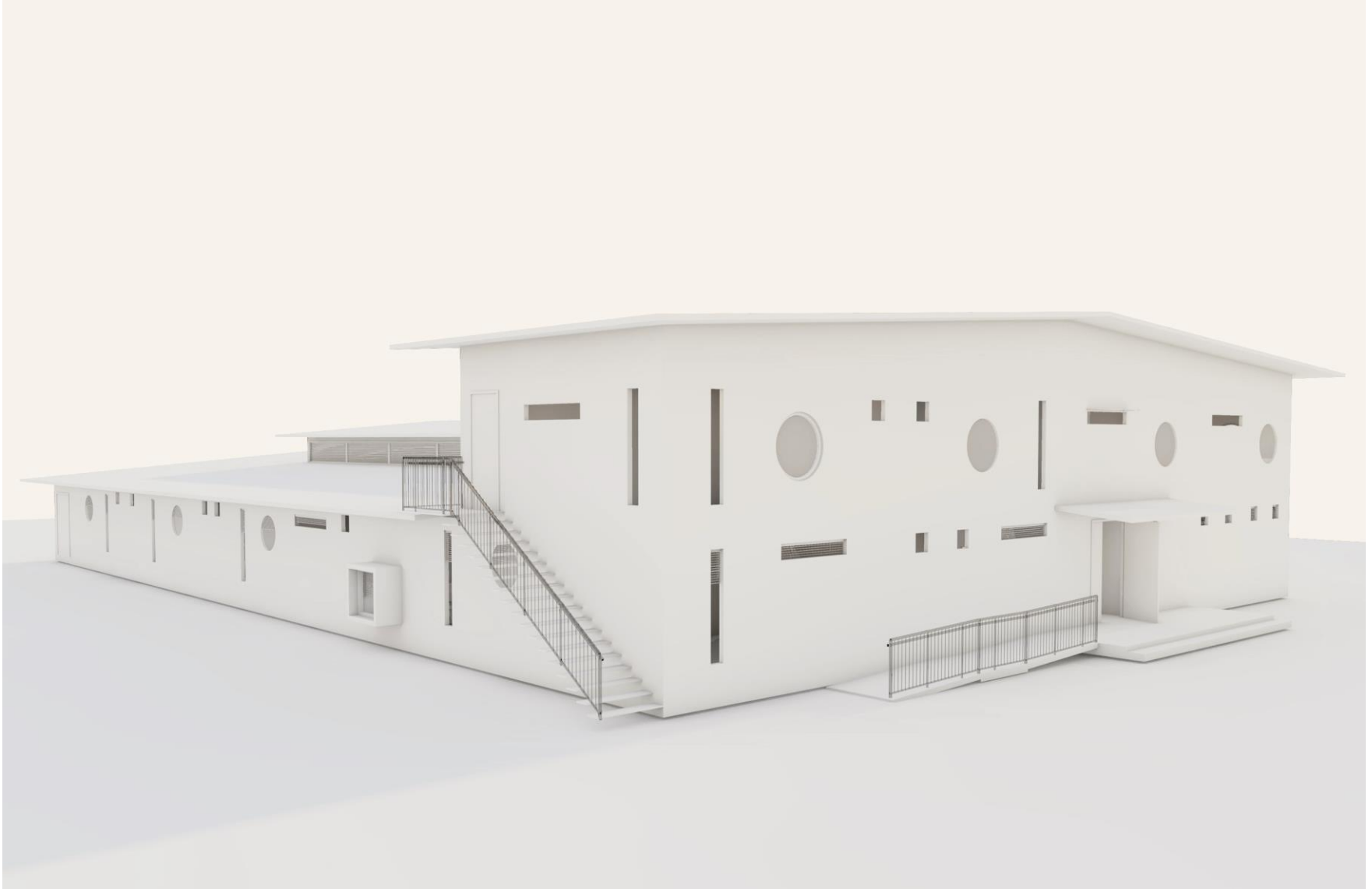
SECTION 1



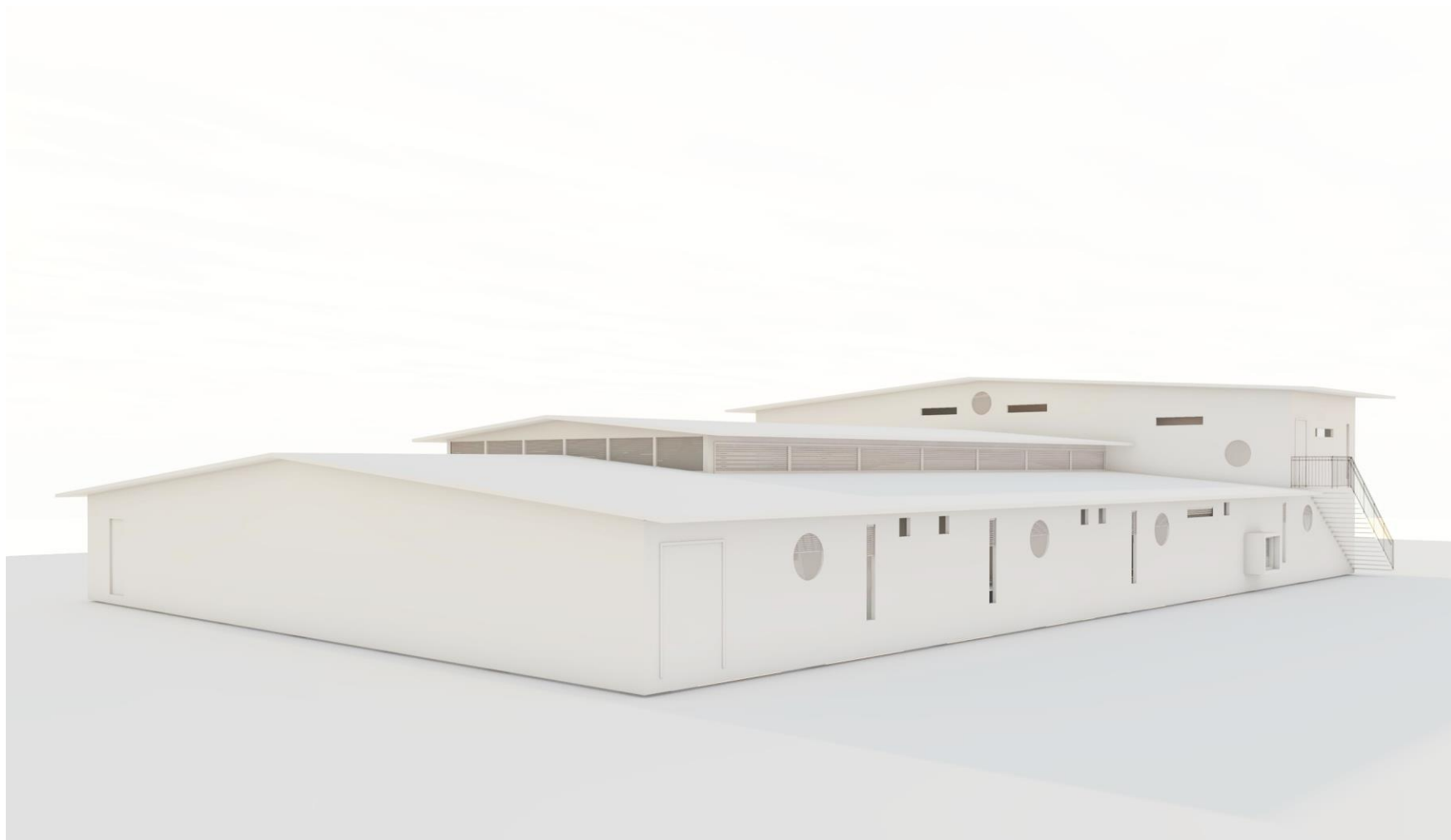
SECTION 3



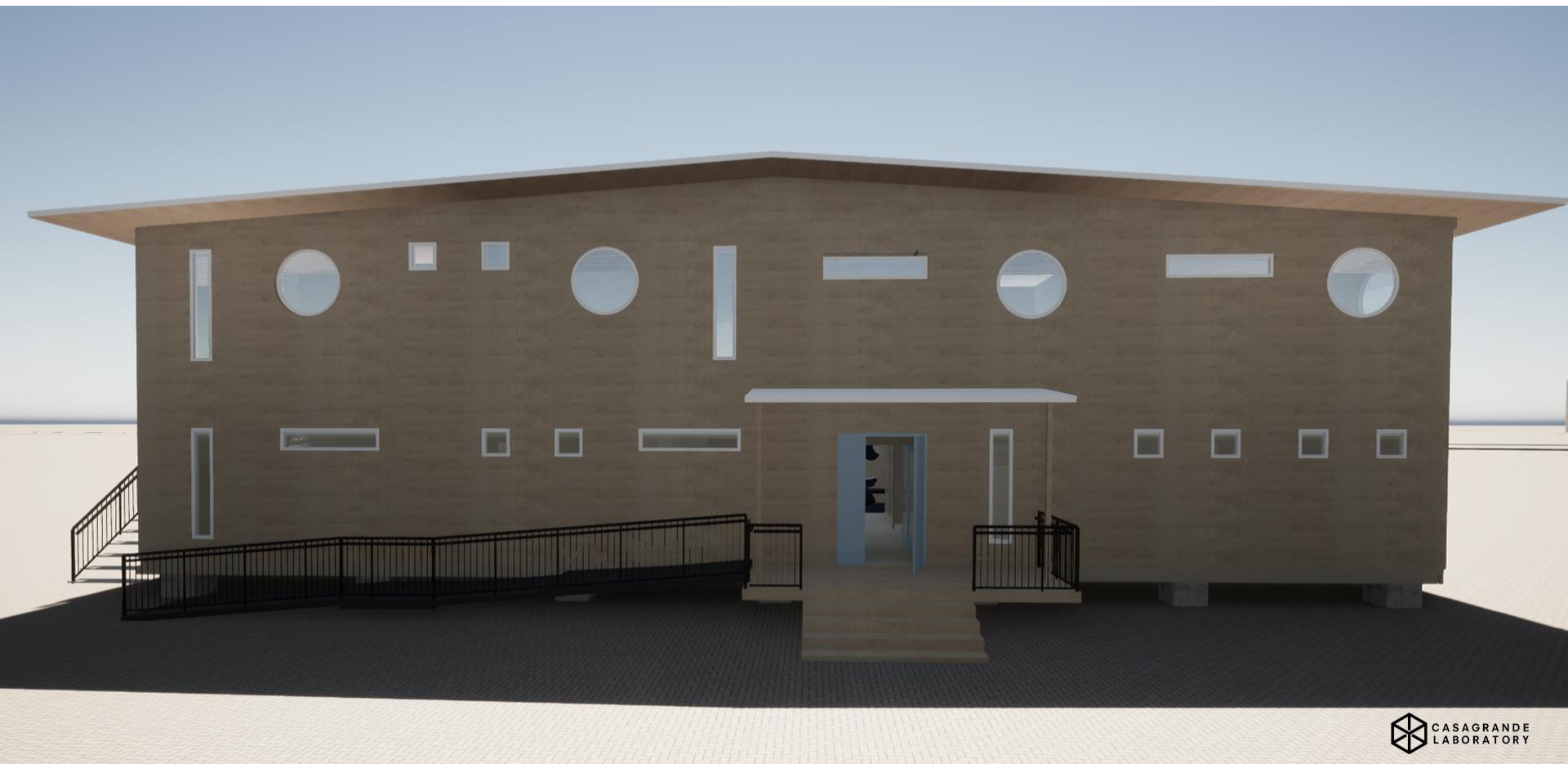




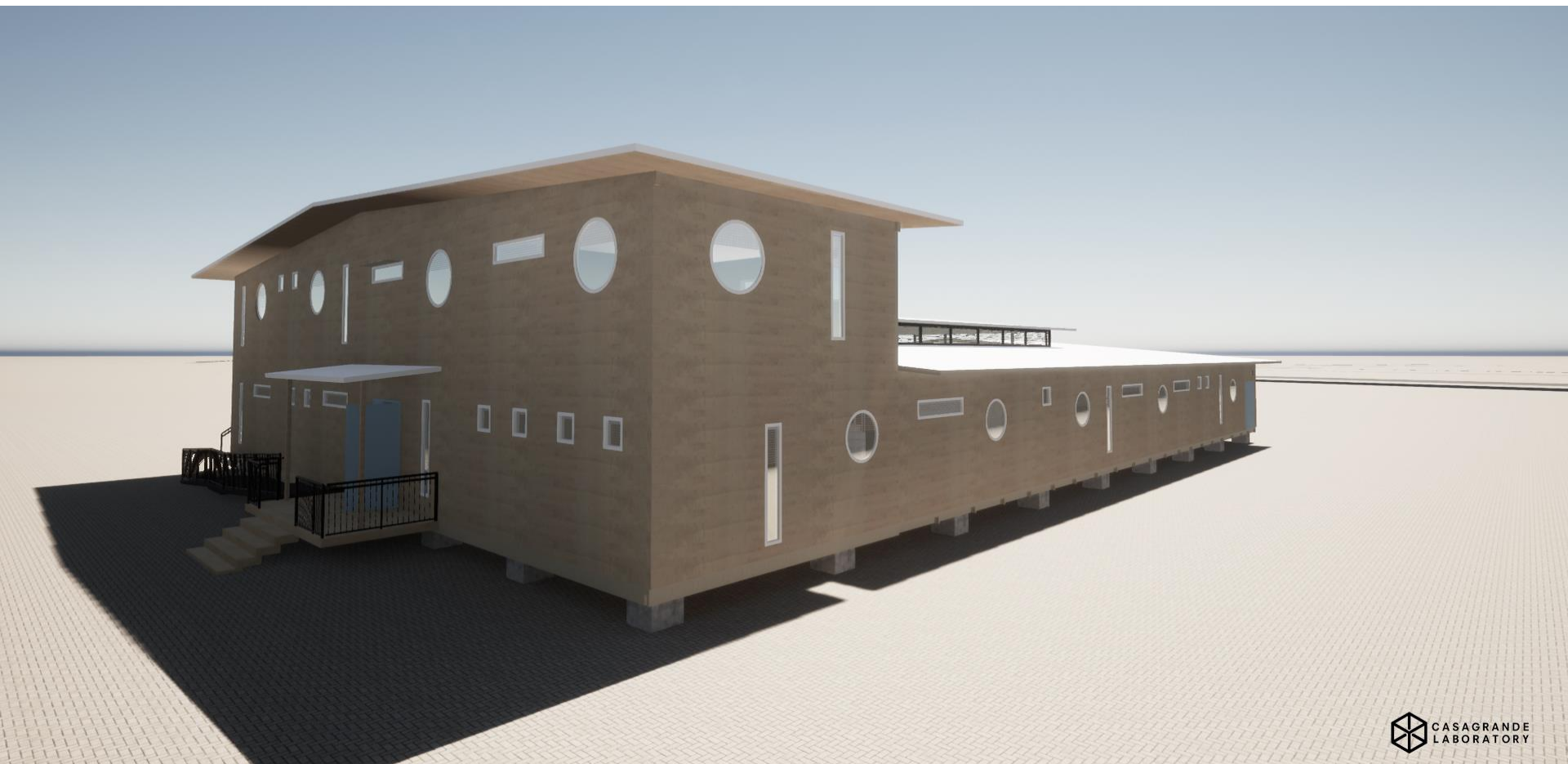
MAIN ENTRY, VOLYMETRIC CONCEPTUAL ILLUSTRATION



VOLYMETRIC CONCEPTUAL ILLUSTRATION









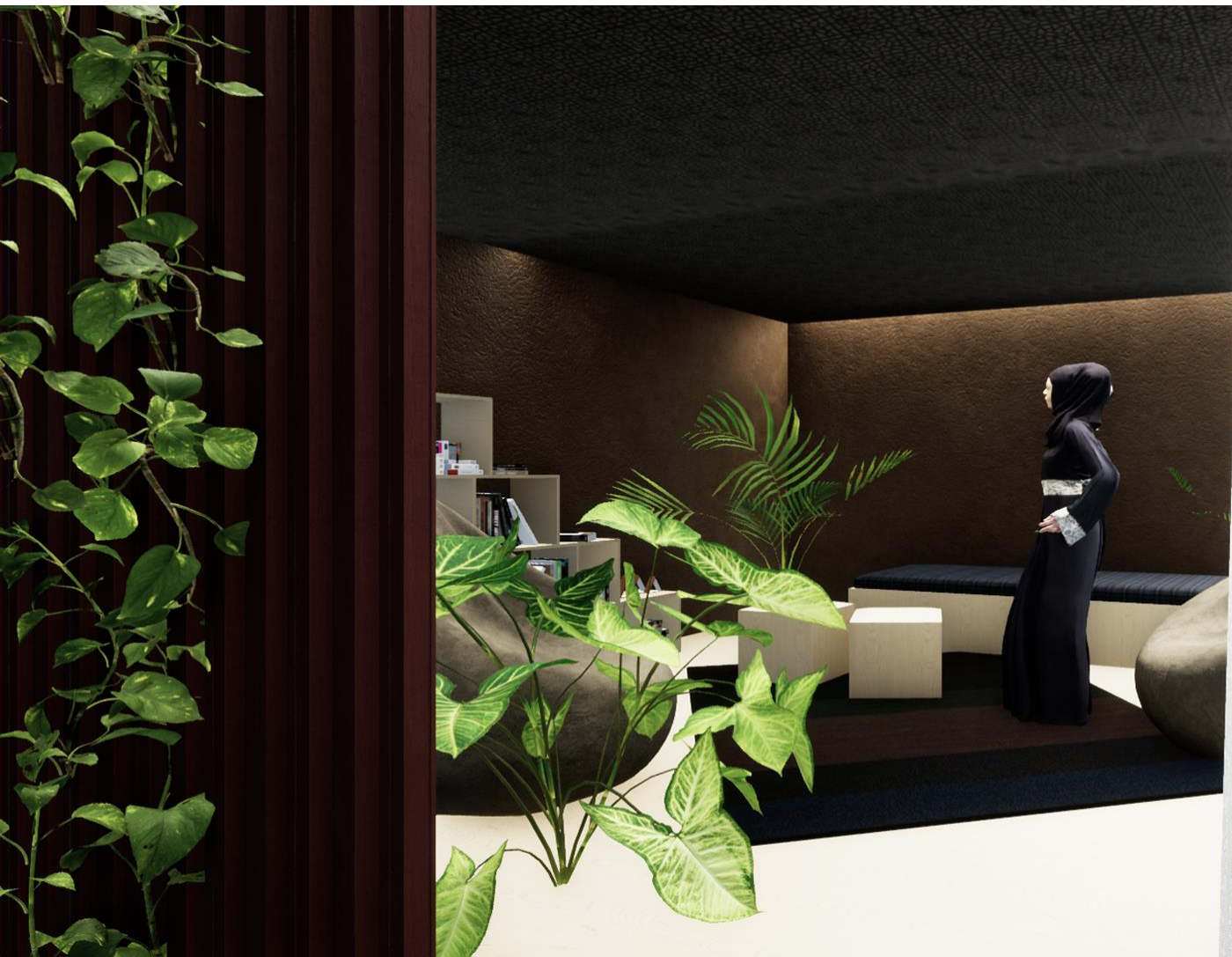






UNFPA POLYCLINIC DOCTOR ROOM





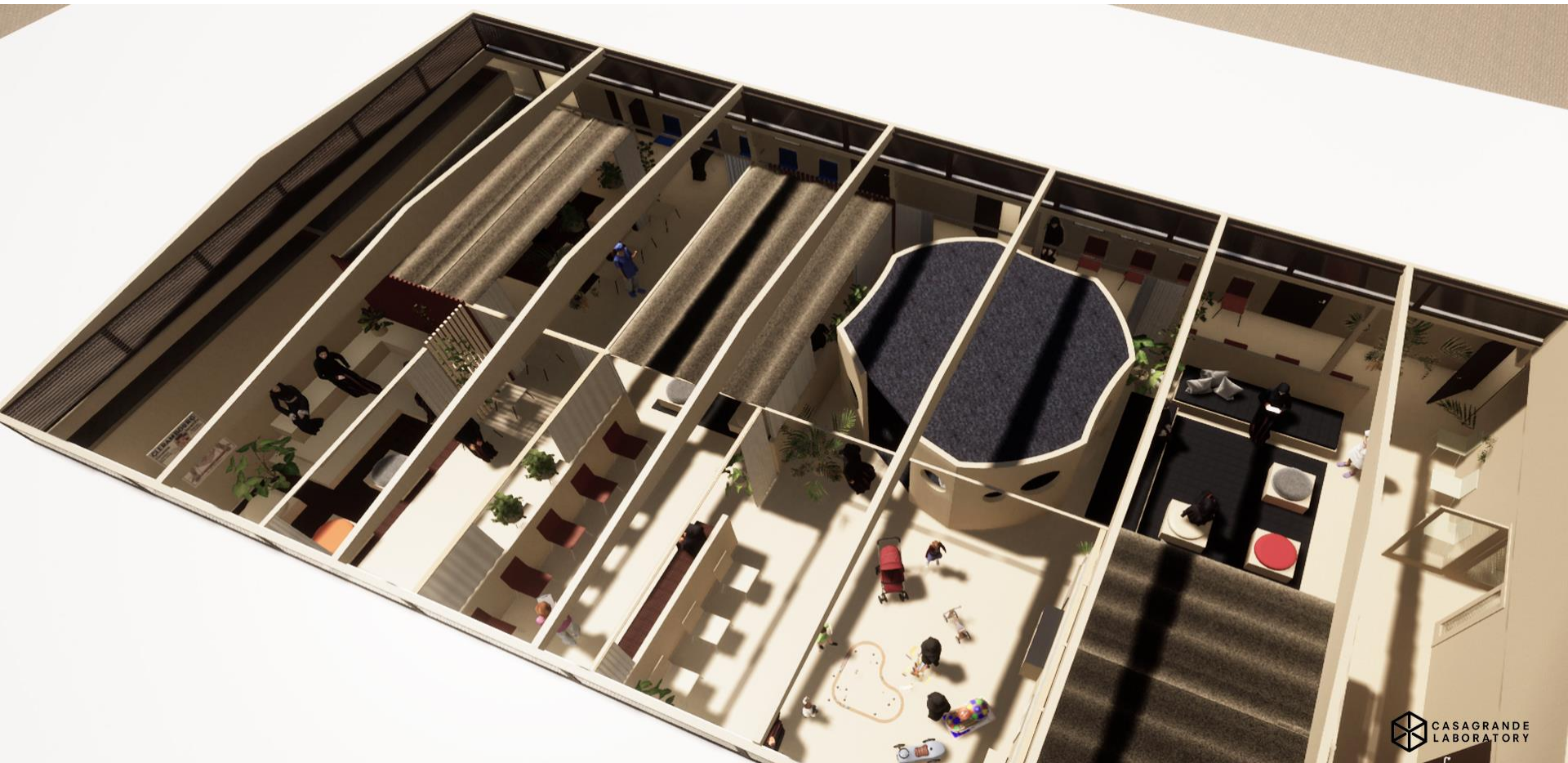












UNFPA POLYCLINIC CENTRAL SPACE

GENDER EQUALITY

REDUCED INEQUALITIES

GOOD HEALTH AND WELLBEING

CLIMATE ACTION

RESPONSIBLE CONSUMPTION AND PRODUCTION

PEACE, JUSTICE AND STRONG INSTITUTIONS



Fabrication process example

- First, the raw CLT slabs are produced in Finland out of Finnish, high quality C24 lumber.
- All timber is PEFC ecologically certified.



Fabrication process example

- The slabs can then be cut, processed and refined.



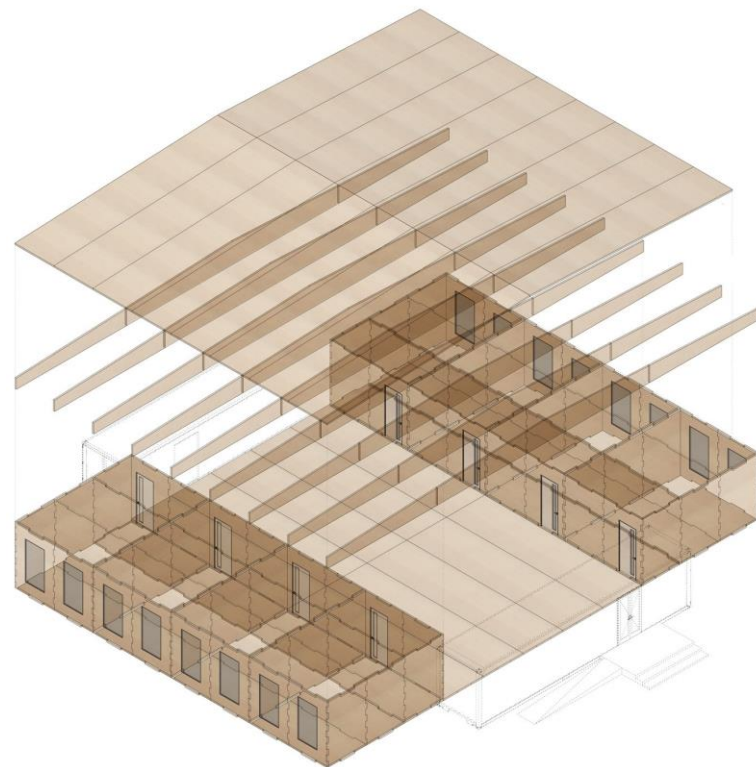
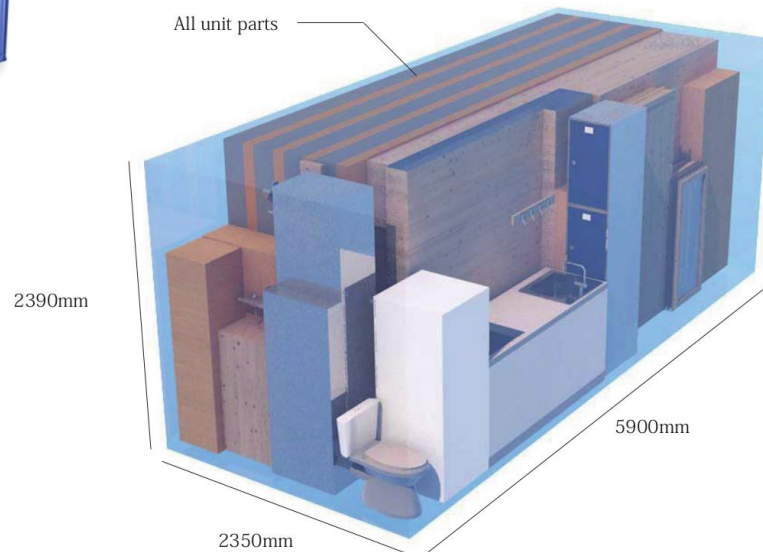
Automated CNC milling machine



Pre-fabricated CLT-elements



Shipping container



ALL CONSTRUCTION COMPONENTS FIT INTO SEA CONTAINERS

