

Public space for refugees

Citation for published version (APA):
Bekkering, J. D., van Hoof, J. J. P. M., Dimitrova, K., Hendriks, E., Riedijk, M., Krosenbrink, R. J. J., & van Sorgen, P. (2017). Public space for refugees: community facilities in the context of permanent temporariness. 4TU.Bouw, 14-15.

Document status and date:

Published: 01/01/2017

Document Version:

Publisher's PDF, also known as Version of Record (includes final page, issue and volume numbers)

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

Link to publication

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- · Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
 You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.tue.nl/taverne

Take down policy

If you believe that this document breaches copyright please contact us at:

openaccess@tue.nl

providing details and we will investigate your claim.

Download date: 04. Oct. 2023



At this moment in history, a staggering 60 million refugees rely on international help - the highest number of displaced persons ever. A large variety of solutions have been developed that cater for primary needs. However, long-term public and community facilities have been

This project is addressing the necessity of dignifying community facilities in the context of permanent temporariness in refugee camps. Twelve plans for public buildings are developed, each with a different program. During the coming spring, certain parts of these projects will be built in scale 1:1, as part of the building exercises of the battalion of genie troops.

In order to develop these prototypes, a variety of camp types, public building types and techniques have been researched and analysed. All together these studies have been assembled in a catalogue, intended as a toolbox for designing public buildings for refugees.

The permanency of these camps asks for long term solutions for community facilities, public space and public buildings.

At this moment in history, due to war and conflict, drought or flooding caused by climate change, we are confronted with over 60 million refugees - the highest number of displaced persons ever. To house displaced persons a large variety of solutions have been developed that cater primary needs. However, long-term public and community facilities have been neglected as an important mean of creating an environment of hope and

With the graduation studio "Public Buildings for Refugees" we aim to develop designs and prototypes of public buildings that can empower the life of displaced persons. Although refugeecamps are envisioned to provide short-term accommodation, the reality shows that people tend to stay there for years. The average stay in refugee camps has been estimated by UNHCR on 17 years. The permanency of these camps asks for long term solutions with not only housing but adequate community facilities, public space and public buildings to empower personal socioeconomical development and enforcement of communities. Within this Lighthouse grant we will design solutions for these public buildings.

Currently, 12 plans for public buildings are being developed, each with a different program. During the coming spring, certain parts of these projects will be built in scale 1:1, as part of the building exercises of the battalion of genie troops. These will serve as prototype tests for the techniques and earth, cardboard, bamboo, wood, fabric, metal, designs developed within this research.

In order to develop a prototype of a so-called "Public Building for refugees", a thorough research and analysis of existing camps of different kinds around the world has been done; a spectrum of architectural typologies of public buildings that could empower the life of the inhabitants in camps has been analysed and coinciding building methods and building technologies of varying form, from temporal to semi-permanent

till permanent buildings have been studied. All together these studies have been assembled in a catalogue book. With the catalogue we aim to give an overview and broader vision of different topics that are of relevance while designing public buildings for refugees.

This book will form a base for designers willing to dig into the issue of public buildings in refugee camps.

The ambition of the book is to frame a base point for a designer that is willing to dig into the issue of public buildings in refugee camps. More specifically, this catalogue breaks the topic in three parts: Urban, Building and Detail.

The Urban part provides an analysis of different camp typologies. Although other types of camps are included, the main focus is on refugee camps. More specific, the chapter offers insight in the structure of the camps and the way this typology has developed. The Building part provides information about different public buildings. Public functions discussed are health centres, community centres, schools, bus stops and market places. The main focus is on the influence of time on the specific typology. The Detail part provides an overview of seven different building materials plastic - with the analysis of built examples in different time spans. At this scale the aim is to clarify the properties and possibilities of each material in a range from temporal to permanent

Finally, the goal of the catalogue is to serve as a toolbox, from which a designer can grab elements when for instance designing a hospital. Then the detail part can be used to explore the possibilities of different materials.

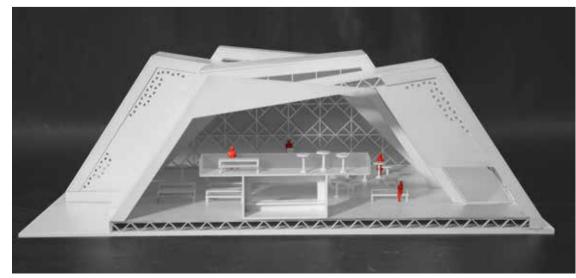


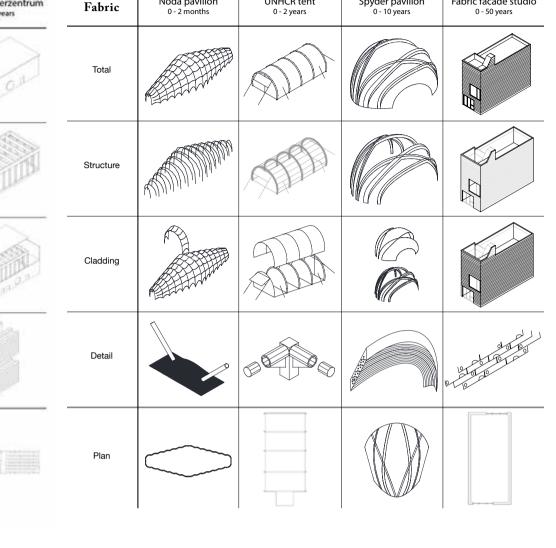
Rebuild school

Ricola Kräuterzentrum

C4Real clay hut

Ghana house

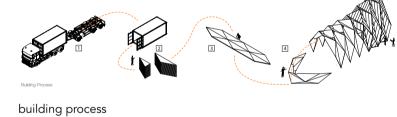


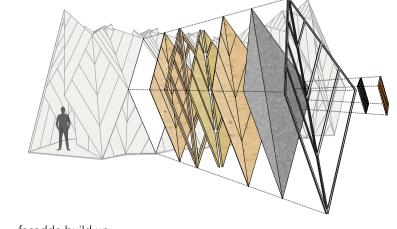


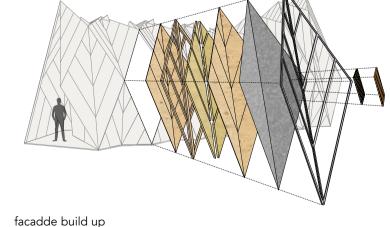
UNHCR tent

Spyder pavilion

Fabric facade studio







connectable floor tiles

door fragment window fragment

of. ir. Juliette Bekkering, ir. Sjef van Hoof, ir. Kornelia Dimitrova,

Delft University of Technology prof. ir. **Michiel Riedijk**, **Rick Krosenbrink**

ninklijke Landmacht Commandant **Peter van Sorgen**