

2017 Intensive for School of Constructed Environments, Parsons The New School

“Disaster Preparedness and The Constructed Environment”

In collaboration with The Japan Foundation

For Class Use Only, Not For Distribution

**Sample Assignment Commissioned to Architects
to Build Temporary Shelter in 2007 “Shelter Town”**

The following are for reference only; changes and adjustments are expected, as the needs and circumstances for the weeklong intensive will be different.

This was a design commission given to selected architects to build a temporary shelter for emergency situations. The shelters had to last for at least 72 hours and had to be built with materials and objects that are readily available. Studies have shown that the first 72 hours after the disaster are crucial for survival.

The newly built shelter must meet the following three requirements:

1. It must be made of materials commonly found in residential homes.
2. It can be built/assembled with relative ease. (can be built within 3-5 hours, etc)
3. It needs to be durable enough to last at least 72 hours.

The results were exhibited at the “Jishin Expo” exhibition at BankART, Kanagawa, Japan in 2007

<http://www.plus-arts.net/jishinexpo/index2.html>

Participating architects:

- A. Yoshiharu Tsukamoto + Tsukamoto Lab at Tokyo Institute of Technology
Arched shelter (Materials: Veneer boards, picnic mats, kids’ wading pool)
- B. Akira Suzuki + suzukiakiralab at Kobe Design University
Veneer shelter (Materials: Veneer boards/materials shaped to form soccer ball-shaped domes)
- C. University of Kitakyushu
Star Dome (Materials: Bamboo and tarp)
- D. Katsuhiro Miyamoto + Katsuhiro Miyamoto Lab at Osaka University of Arts
Bamboo Sheets (Materials: Bamboo and tarp)
- E. Takaharu Tezuka + Tezuka Lab at Tokyo City University
Garbage bag shelter (Materials: Inflated garbage bags)
- F. Masashi Sogabe + Sogabe Lab at Kanagawa University
Waffle Dome (Materials: Newspapers folded and joined using origami techniques)
- G. Takehiko Sanada + Garment Design Team at Joshibi University of Art and Design
Clothes Shelter (Materials: Rain Ponchos and clothespins)

展覧会開催概要 ●シエルターの街出展作品紹介

A



曲げアーチ
塚本由晴+東京工業大学塚本研究室
ベニヤ板やレシヤシート、子供用プールで制作

B



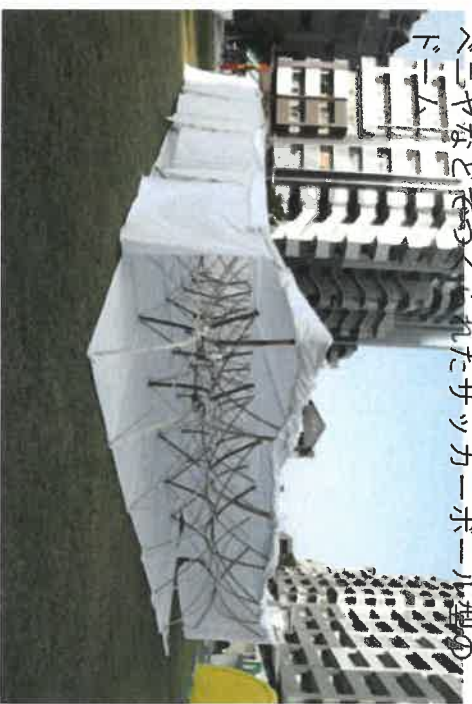
ベニヤの家
鈴木明+神戸芸術工科大学ドーム研究会
ベニヤなどをつくられたサッカーボール型のドーム

C



スタードーム
竹とシートでつくられた表面に星型が浮かび上がるドーム。北九州大学のチームが開発。

D



バンゾーシート
宮本佳明+大阪芸術大学宮本研究室
竹とシートで作られた集合住宅のような家

E



ゴミ収集袋造

手塚貴晴+武蔵工業大学手塚研究室
ゴミ袋を膨らませてつなげた簡易型シエルター。

G



衣服の家

眞田岳彦+女子美術大学衣服造形チーム
レインコートと洗濯ばさみをつないで作られたテント型シエルター。一人用、二人用、家族用（数人用）の3パターンが展示された。

F



ワツナルドーム

曾我部昌史+神奈川大学曾我部研究室
新聞紙を折り紙の手法でつなげて作ったドーム。