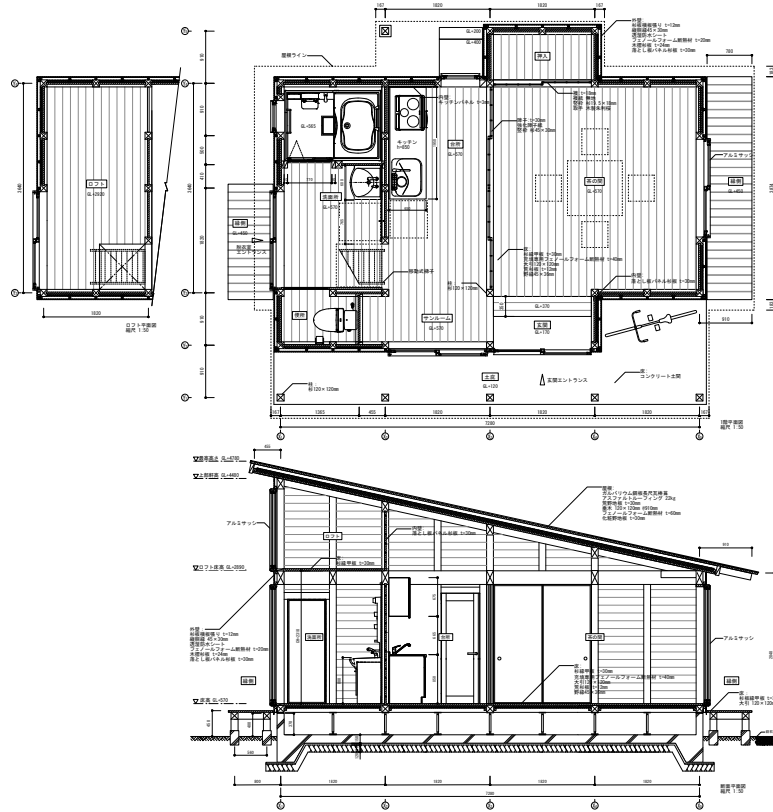


Title:

## Architectural Behaviorology for Shelter(House) as Tools for Living in the 21st Century

Cooperation Partner 1: Chair of Architectural Behaviorology (Momoyo Kaijima, Basil Witt)

Cooperation Partner 2: BUK (Daniel Mettler, Daniel Studer, Yufei He)



Archi-aid: Core House in Ishinomaki, Miyagi Prefecture, Japan(2012)

Description:

Why do people need shelters(houses)?

We have built shelters(houses) as tools for living and to adjust the environment to support our daily lives. Their sustainability is not only a technical or functional issue, but also has cultural and historical significance. By maintaining them, people ensure their meaning of life, identity, and creativity.

However, sometimes people lose their shelters(houses) due to natural disasters such as earthquakes, typhoons and floods, or human casualties such as wars and fire. For us, it is the loss of a major tool for survival, a proof of our life, or a way of trying to live, and it brings a great sense of loss. It is also the process of recovering from the grief and pain of loss due to such disasters that we build shelters(houses). Building a house teaches us the possibility of making something out of nothing, rediscovering our own repeated trajectories, and sharing the process and construction with those who have contributed to it, showing them that they can share in the joy of its realization and the security of their lives. What form can such a house take? There is no single answer. It will depend on the conditions of the disaster, the climate, the limited materials, technology, and skills available, the economic situation, the urgency, and the creative challenge.

In the 21st century, global environmental change, along with disasters, raises questions about where we can live. Where should we live? How should we live? How to build shelters(houses) that is a hypothesis and a practice for rethinking our living? What materials will be selected, how will they be processed, and with whom will they be built?

In this assignment, each student is required to select a site under the influence of disaster or global environmental change, analyze and express its design conditions through actor-network

drawings(AND), collect and analyze sketches of the construction detail of the shelters/houses around the site and condition, and then make a proposal for a shelters/houses required in the site as it could be a applicable prototype for future disaster to be shared as knowledge. The program of shelters/houses will be indication about the living way on the site and in 21st century and time span of them will be proposed. In final submission, the proposal for the shelters/houses should be shown as a drawing that includes details and the surrounding environment, as well as the way of life that will be created by the shelters/houses.

Description of preparation and elaboration phase in key-words:

Architectural Behaviorology  
Actor Network Drawing  
Construction  
Disaster  
Climate Change  
Shelter  
House  
Community  
Emergency

Students are expected to select and collect data on a site under the influence of disaster or global environmental change, and to present their architectural theme to be addressed during the semester on the first day of class. During the semester, classes will be held every Monday, and students will be evaluated based on the total of four submissions: one midterm and final critique in the preparation period, and one midterm and final critique in the detail period. The evaluation is 40% for the preparation period and 60% for the detail period, and the ratio of the two courses is 70% for the architectural behavior course and 30% for BUK. 4.75 will be the average, and the submissions are evaluated based on the evaluation criteria indicated in the attached sheet, and the total is the overall grading.

Schedule and out come

Start of thesis: August 28, 17.00h (download of programs)  
Week1 Orientation, Site and topic presentation, discussion  
Week2 Desk critic  
Week3 1st Mid review(Draft area AND, program of shelter/house ,construction analysis1:10)  
Week4 Desk critic  
Week5 Desk critic  
Week6 Desk critic  
Week7 2nd Mid review(Area AND, program of shelter/house ,construction analysis1:10)  
Week8 Desk critic  
Preparation colloquium: October 17  
Week9 Seminar week  
Week10 Desk critic  
Week11 Desk critic  
Week12 3rd Mid Review(Project AND, plan, section, elevation, model 1.50, detail 1:10)  
Week13 Desk critic  
Week14 Desk critic  
Week15 Desk critic  
Week16 Submission: December 15, 18.30 h  
(Area AND, program of shelter/house, concept text, Project AND, plan, section, elevation, model 1.50, detail 1:10)  
Week17 Final review  
Final colloquium: December 18

Ratio of grading by cooperation partners for preparation and elaboration phase:

Preparation phase:40% (Percentage designer(s):70% Percentage non-designer:30%)  
Elaboration phase:60% (Percentage designer(s):70% Percentage non-designer:30%)