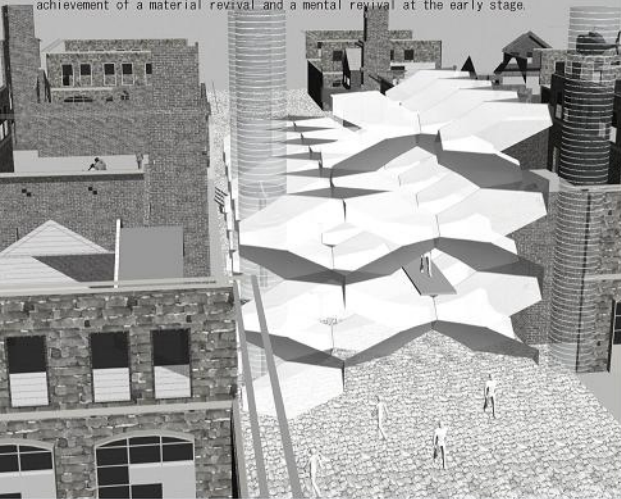


SUMMARY

New temporary shelter "FEFF" that we propose aims the reduction of people's who exist in the disaster in the city receiving the load from the temporary shelter, and their achievement of a material revival and a mental revival at the early stage.



The current state of the temporary shelter in the city part has a more advanced problem compared with the sparsely populated district.

The land use situation of the city is in the saturated condition, and the lack of the site where the temporary shelter is constructed is not avoided. On the other hand, there are overwhelmingly a lot of numbers of residents, and the individuality of their culture, life level, and form of employment is rich.

The site where original was maintained is prepared, and the method for the temporary shelter to unite :

Time hung in maintenance, and big loads such as the movements and changes rested upon the resident.

Movement of improving life in the temporaryshelter puts a constant result according to the power of the administration, the volunteer, and the resident. However, the factor that becomes a disaster like an increase in abnormal weather etc.

shelter puts a constant result according to the power of the administration, the volunteer, and the resident. However, the factor that becomes a disaster like an increase in abnormal weather etc.

increases, and the reform of a fundamental system is being requested now at the time of increase also the diversity of people.

On the other hand, we stop securing the construction place in the temporary shelter. It is assumed to be the beginning of the solution to use the road in the region effectively, and to continue the community before residents' disasters.

"FEFF" is composed of the unit of the assembly type, and set up promptly on the road.

A peculiar form enables a high density residence with the answer of various lifestyles of people who live in the city.

The unit becomes a temporary residence of people who lost the house where it lives, and defends their livings. Residents aim at the revival in the living of "FEFF" tie without leaving the region where it got used to a place with neighbors before the disaster.

People's new lives starts when "FEFF" becomes unnecessary and it is removed.



PREPARATION



Case study

Object area	
NY City coastal place	
1 square mile	
The number of the object dwelling units	50000
The number of the residents	38000

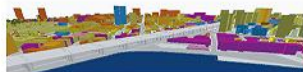
hurricane



Suffering dwelling units	
The number of the provisional house need	38000
permanently uninhabitable	18000
needs repair	20000



provisional house	
The number of the aim supply	30000
(Assumption seating capacity 90000)	

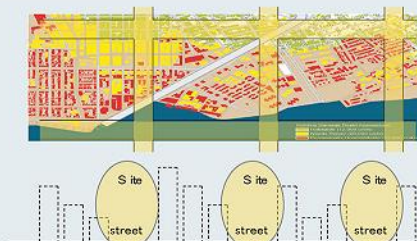


Economic circumstances
P prospect of rebuilding
Condition of provisional house

A supply fund
Production
A construction site



1. The member production factory established within the range of 50KM on transportation efficiency from the spot
2. NY City makes the skeleton, and inhabitants make the infill.



1. A certain "street" is a construction site
2. Removal, the temporary residence, simultaneous progress of permanent construction are possible.

DEPLOYMENT



0



1



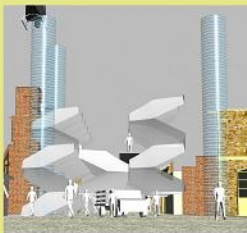
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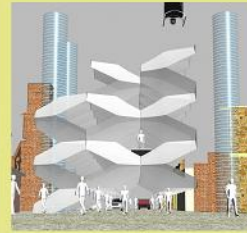
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4



5



3 Deployment

■ Transportation

Parts are promptly carried from the base of savings to the locale after the disaster occurs and it crowds.

Parts are FRP boards of the same type formed beforehand. Because it is a compact size, transportation becomes possible as for a bad condition making at the disaster.

■ Assembly

①Parts of the FRP board that composes ① wall are assembled to the vertical direction by one row.

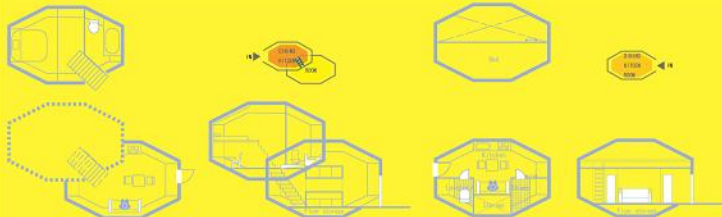
②The wall of ① is started up on the road that becomes installation features.

③Parts that become B floor sides are built into the wall, the adjoining wall is connected, and externals in the building are completed.

④Parts of C rest room bus unit are carried by the elevator internally, crowded, and assembled.

⑤The FRP board is separated according to the line, and the unit of the stairs is built in when making it to maisonnette.

RENDERING OF ONE UNIT



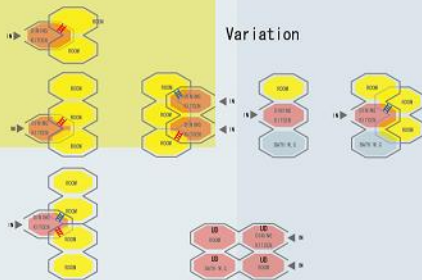
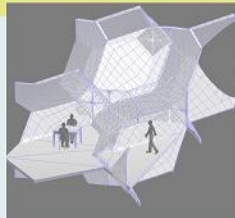
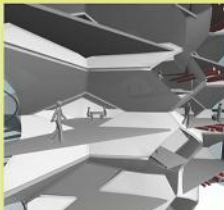
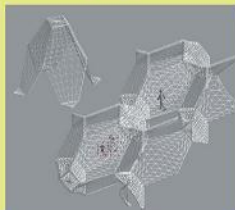
■ One unit

One man decided the size of one unit from a minimum size in which minimum life with privacy was able to be spent with the luggage of surroundings.

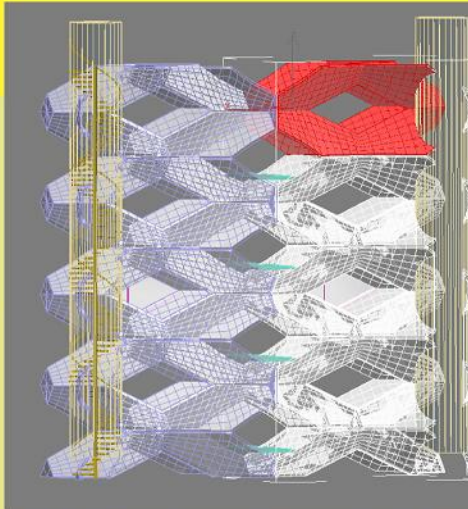
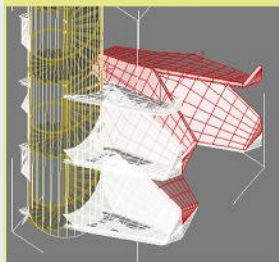
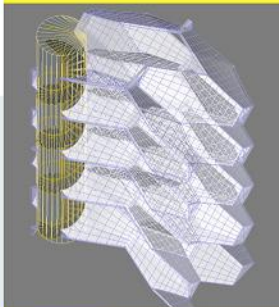
■ Unit of residence

The way to live inhabitants of a city like person, married couple, and friend's sharing and large families, etc. is various all alone.

Continuing at each residence of a rich variation before this disaster becomes possible by connecting two or more units.



TECHNICAL DRAWING OF UNIT



Parts of eight FRP boards of the same type connect and the unit is formed.
The set of the unit is "FEFF".

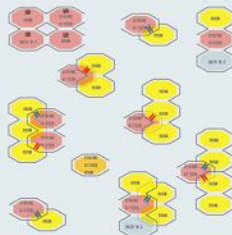
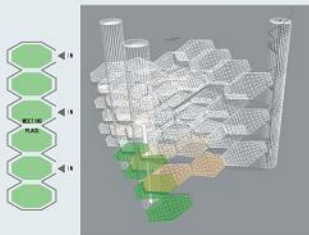
"FEFF" is regularly connected while maintaining a constant space between both vertical directions and horizontal direction from the peculiar form.

The access to each unit horizontally uses a common passage, and uses the elevator and the spiral staircase for the vertical direction.

The space plays the role of the lighting, ventilation, and the soundproofing, and the debt space in the below the floor level penetrates the equipment tube, and is used effectively.

Shortening and the simplification of the term of works are attempted by making it to a simple system configuration while various residence styles are maintained.

RENDERING OF UNIT AGGLOMERATION



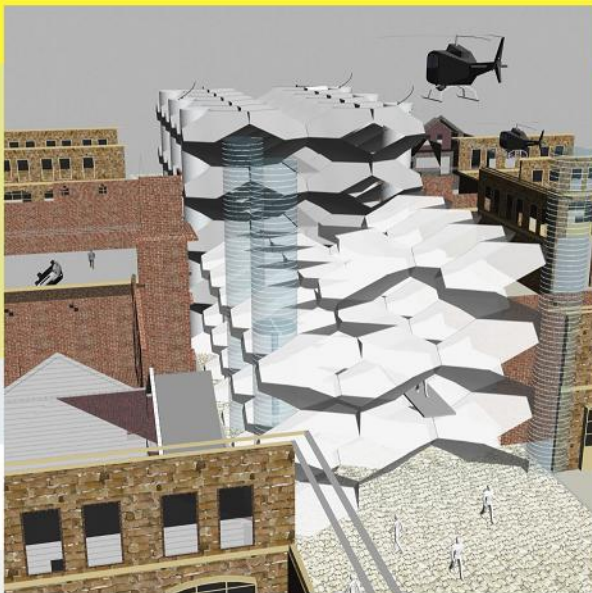
■The vicinity relation
Those who move in "FEFF" set up in surroundings in the residence building before the disaster, and live while maintaining the relation to longtime neighbors.

■UD floor
The residence space where the access can be easy and live only by the movement to horizontal direction is offered to people who have the senior citizen and the trouble that the special consideration is needed by priority.

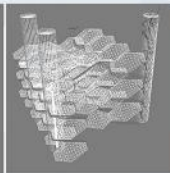
■Common space
It might be forecast that people's relations are daily generated more than usually, and opens some of the unit in the same form as the dwelling part beforehand as common space.

It is scattered so that each resident may use it easily.

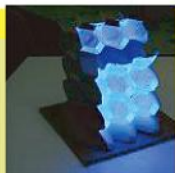
TECHNICAL DRAWING OF UNIT AGGLOMERATION



Current state and continuing of community thinks about us by people and leads from the next to the next, and overcrowded thinks the current state of the community in the region to which it lives to be a zonal network without can the delimitation. "FEFF" is making of this current state, Embody. The unit develops like the network in the upper part of the road in the region. The vicinity of ground of the road is a cave, and no do block of the traffic for the living and the revival.



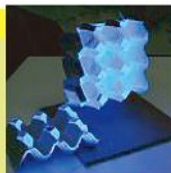
DECONSTRUCTION



Before dismantlement



1



2



3



4

8 Deconstruction

The unit when withdrawing is dismantled to assume the basis, it sorts, and the process of transportation and preservation of the composition becomes easy the connection of parts of the same type minimum.

After maintenance is done, it is prepared in the savings warehouse in the whole country in preparation for the disaster again.

PROJECT DESCRIPTION



1. Preparation The base of savings is installed in the point from the point within 50km that is the standard in the limit of prompt transportation where the disaster is assumed. It keeps it with 30000 households are assumed to be the necessary keeping number of houses from the forecast number of disaster struck, and the unit taken apart to parts. Moreover, the city in nationwide various places can be attempted and the reduction of the load attempt the savings warehouse of a common unit by constructing the system of the mutual collaboration that owns, and makes it concentrate in a time of disaster respectively. The composition of a simple for that unit is important.
2. Deployment /Transportation Parts are promptly carried from the base of savings to the locale after the disaster occurs and it crowds. Parts are FRP boards of the same type formed beforehand. Because it is a compact size, transportation becomes possible as for a bad condition making at the disaster.
/Assembly ①Parts of the FRP board that composes a wall are assembled to the vertical direction by one row.
②The wall of ① is started up on the road that becomes installation features. ③Parts that become B floor sides are built into the wall, the adjoining wall is connected, and externals in the building are completed. ④Parts of C rest room bus unit are carried by the elevator internally, crowded, and assembled. ⑤The FRP board is separated according to the line, and the unit of the stairs is built in when making it to maisonnette.
3. Rendering of One Unit /One unit One man decided the size of one unit from a minimum size in which minimum life with privacy was able to be spent with the luggage of surroundings. /Unit of residence The way to live inhabitants of a city like person, married couple, and friend's sharing and large families, etc. is various all alone. Continuing at each residence of a rich variation before this disaster becomes possible by connecting two or more units.
4. Technical Drawing of Unit Parts of eight FRP boards of the same type connect and the unit is formed. The set of the unit is "FEFF". "FEFF" is regularly connected while maintaining a constant space between both vertical directions and horizontal direction from the peculiar form. The access to each unit horizontally uses a common passage, and uses the elevator and the spiral staircase for the vertical direction. The space plays the role of the lighting, ventilation, and the soundproofing, and the debt space in the below the floor level penetrates the equipment tube, and is used effectively. Shortening and the simplification of the term of works are attempted by making it to a simple system configuration while various residence styles are maintained.
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