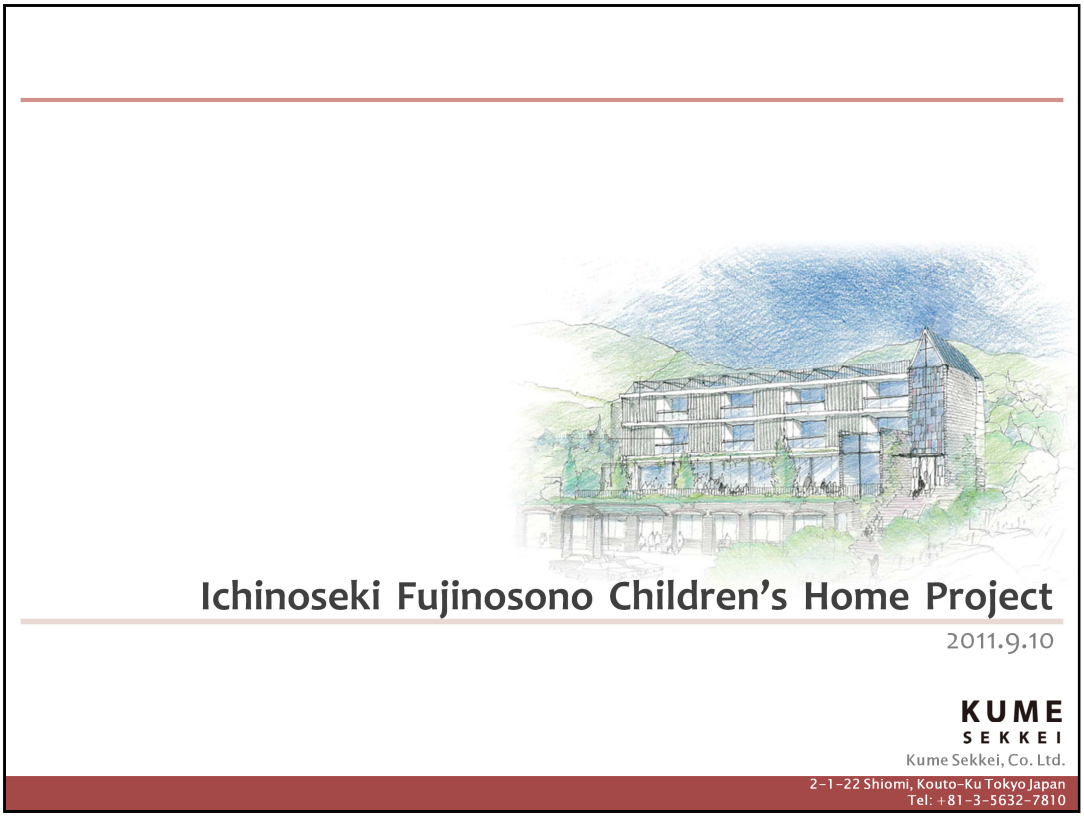


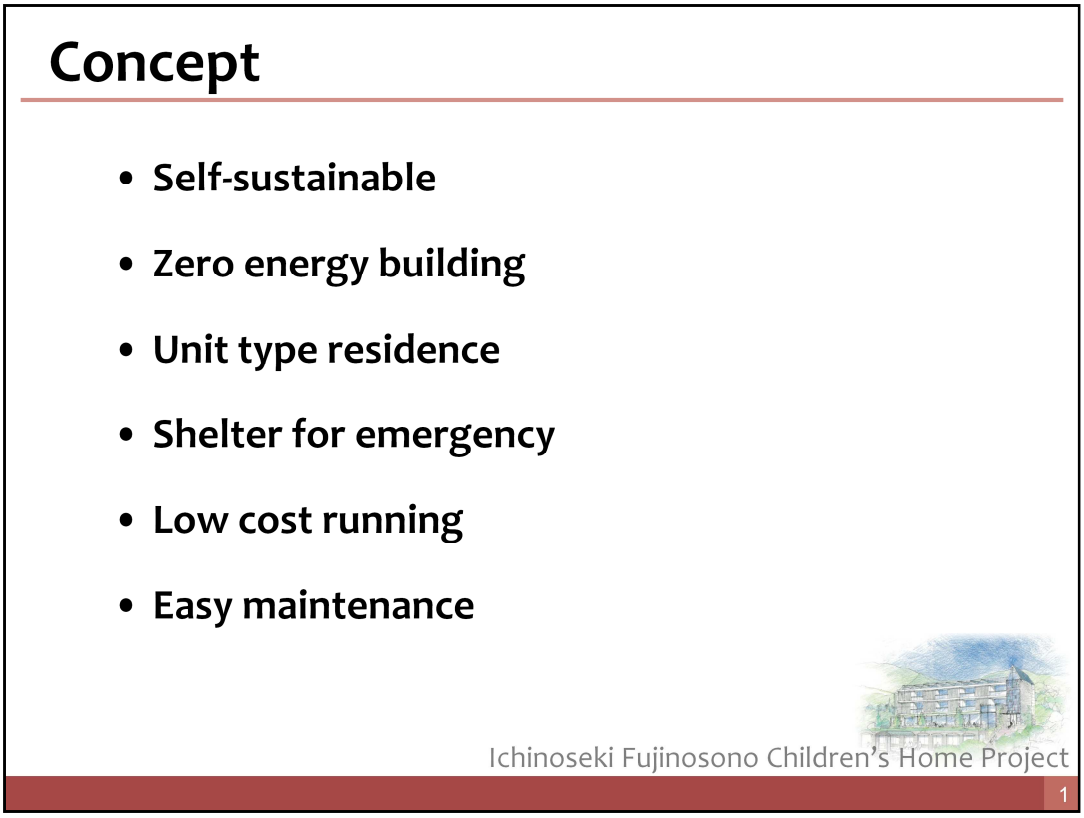
Ladies and Gentlemen,

dear sponsors and everyone at the presentation.

As we all know Sister Caelina, Mr. Watanabe and the Fujinosono staff including the children got over of most of the critical conditions such as shortage of water and food, electricity and the fear of radioactivity. An amazing effort has been done the past few weeks after earthquake. We all like to thank them deeply.

The earthquake on March 11th 2011 brought tremendous suffers to many people. Fujinosono's children's home where 55 children live, has been seriously damaged and is facing a dangerous situation. It is necessary to reconstruct a new home as soon as possible and it would be wise to relocate the children and staff to provisional housing immediately.

Today we are glad to be here with you and to briefly introduce the Fujinosono project. Kume Sekkei is one of the largest architectural firm in Japan and we are very proud to be involved in this challenging project.



We believe our project is first step to restore from this devastating disaster, at the same time to be symbolized of revival of Northern East Japan, because it embody a new energy model after earthquake and tsunami.

The most important concept of this project is self-sustainable and zero energy building; and the system will be explained later by Dr. Bartenstein how to realize the concept target of using renewable energy at the maximum.

For children's residence quarter design adopt a unit type planning, and in time of emergency the new facility should be a shelter including neighboring residents.

To sustain this new home for long period of time, we also have to aim to realize low running cost and easy maintenance.

4 Main Items

- Location & Current condition
- Schedule
- Floor Composition & plan
- Exterior design

Ichinoseki Fujinosono Children's Home Project

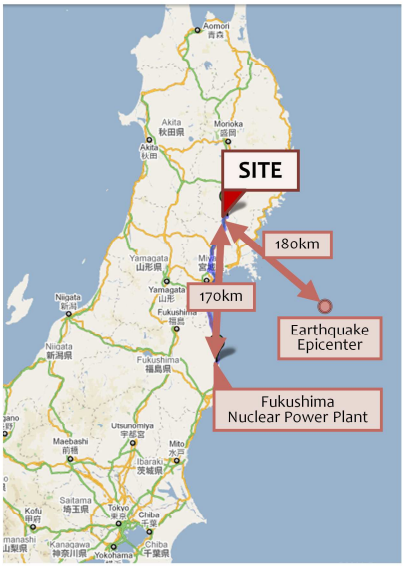
2

Today, the presentation will cover 4 main items;

first, we take a general view of current condition of damaged building;
second, we report design and construction schedule of new building
third, we explain floor formation and plan of each floor and one unit
fourth, we show exterior design connected to self-sufficient and zero energy building

My presentation will take 15 minutes, and I'll be happy to take your questions after my presentation.

Location & Current condition




Damaged on Stairs


Cracks through the wall


Fallen Ceiling Panels


Cracks through the floor

Ichinoseki Fujinosono Children's Home Project

3

Now, let's look at current situation of damaged building.

Fujinosono is located at east side of Ichinoseki city, Iwate prefecture. It is about 180 km away from epicenter and about 170 km away from Fukushima Nuclear power plant.

The earthquake on March 11th in Ichinoseki city was level 6.0 on the Japanese scale, and the old main building of Fujinosono was seriously damaged.

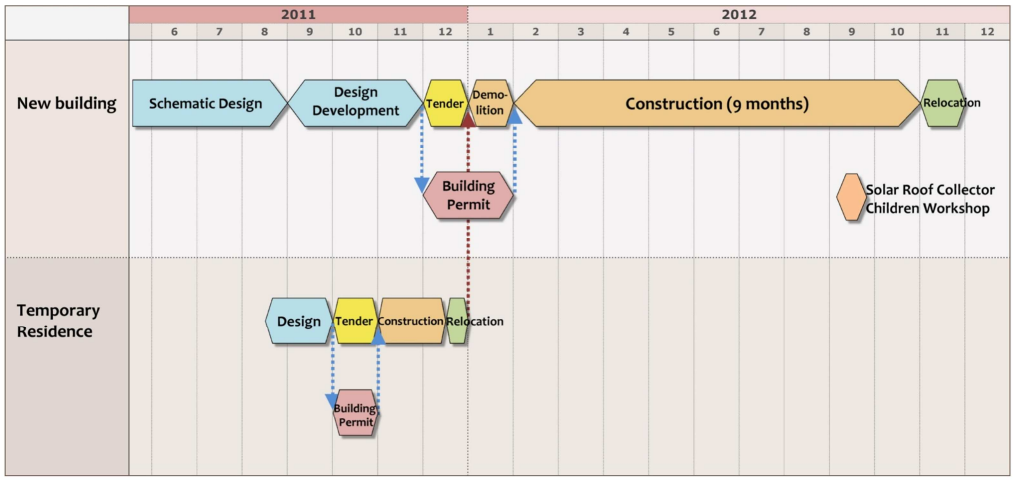
We visited the site on May 2nd for survey & investigation, and later confirmed the damages. The exterior emergency stairs are destructed, through cracks on the concrete wall everywhere, interior ceiling panels fell down in some rooms, and bath and WC can't be used.

Most damaged was at the main building, other buildings were safe.

However, main building is most important; hence this is residential zone of the children.

We convinced that it is necessary to rebuild the damaged building.

Schedule



Ichinoseki Fujinosono Children's Home Project

4

Let me explain design and construction schedule.

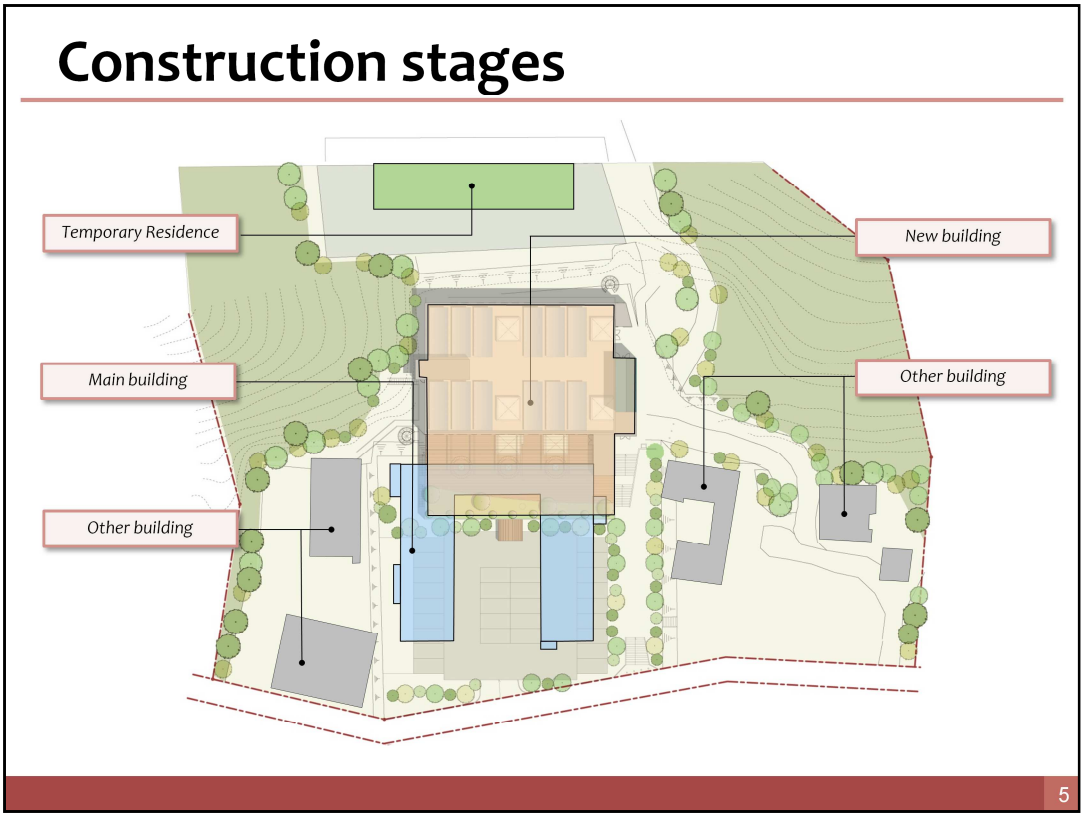
A temporary residence should be constructed at first stage. It shall be build during the main design stage of the new building. Relocation will be concluded by the end of this year. The location of a temporary residence is a part of the existing baseball field.

Next stage is to demolish the main building.

Before demolishing, it is necessary to make temporary structure for electricity for the other building because all energy is supplied from main building .

After demolishing is finished, the new building construction will begin in February of next year.

Building completion will the end of October in 2012, and the relocation of all people from the temporary residence will be over before Christmas.



Let me explain each construction stages by this figure.

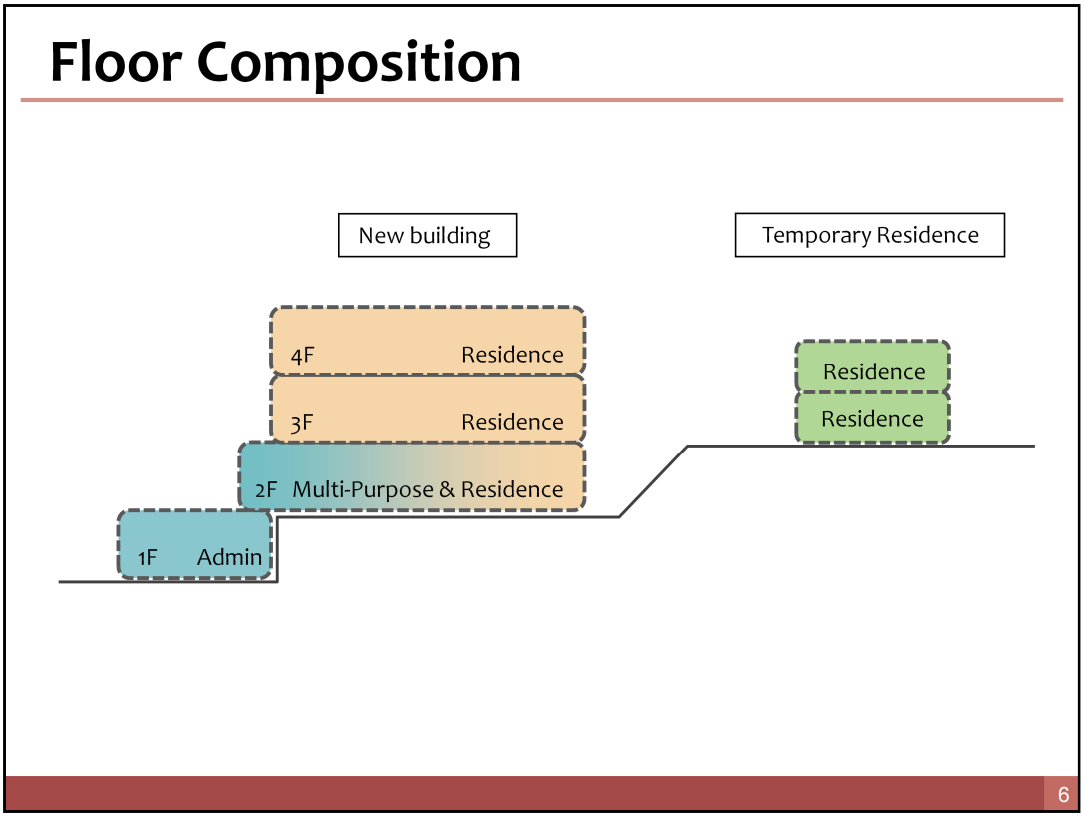
This is main building. Gym, other residence, Maria hall and Anthony home are both side.

1st stage is to construct temporary residence at existing baseball field.

2nd stage is demolishing of main building after moving to temporary residence.

3rd stage is construction of new building

After completion the children relocate again from temporary residence to final home.



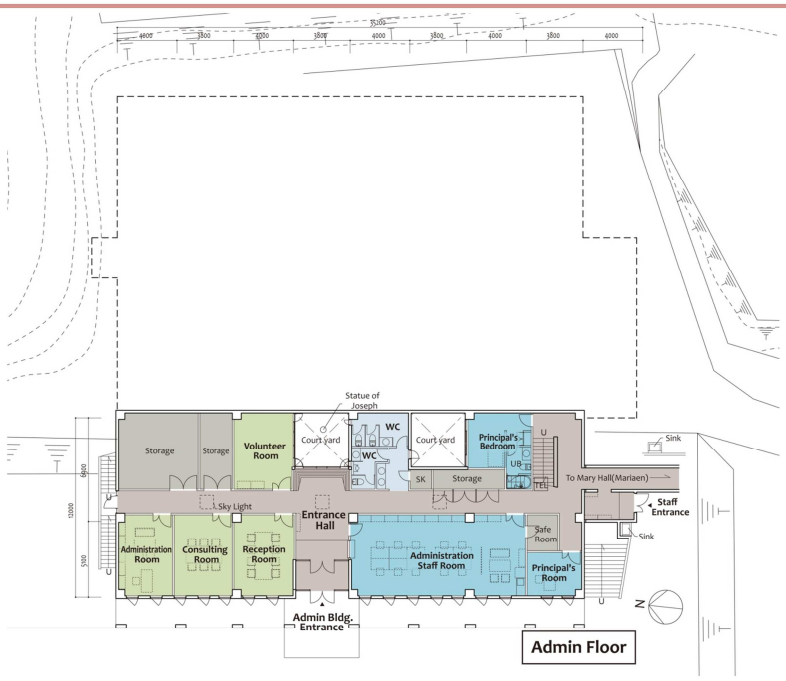
Now, let me describe floor formation and plan of each floor.

New building has 4 stories, total floor area is about 2,400 square meter.

Structure is reinforced concrete.

1st floor is for administration related activities, the 2nd floor is for public residence use, and 3rd & 4th floor are for residence of children with 8 units.

Plan – 1 Floor



7

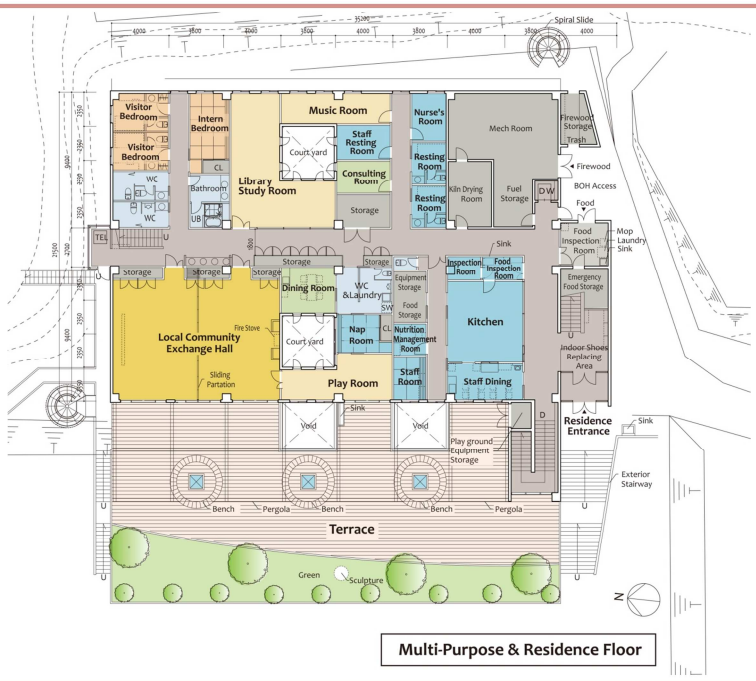
1st floor contains office and principal room.

Main entrance for guest is in center.

At the end of entrance hall, wall ornament will be installed from the existing main building.

Behind ornament, there is patio providing natural lighting; and the statue of the Virgin Mary is placed inside.

Plan – 2 Floor



8

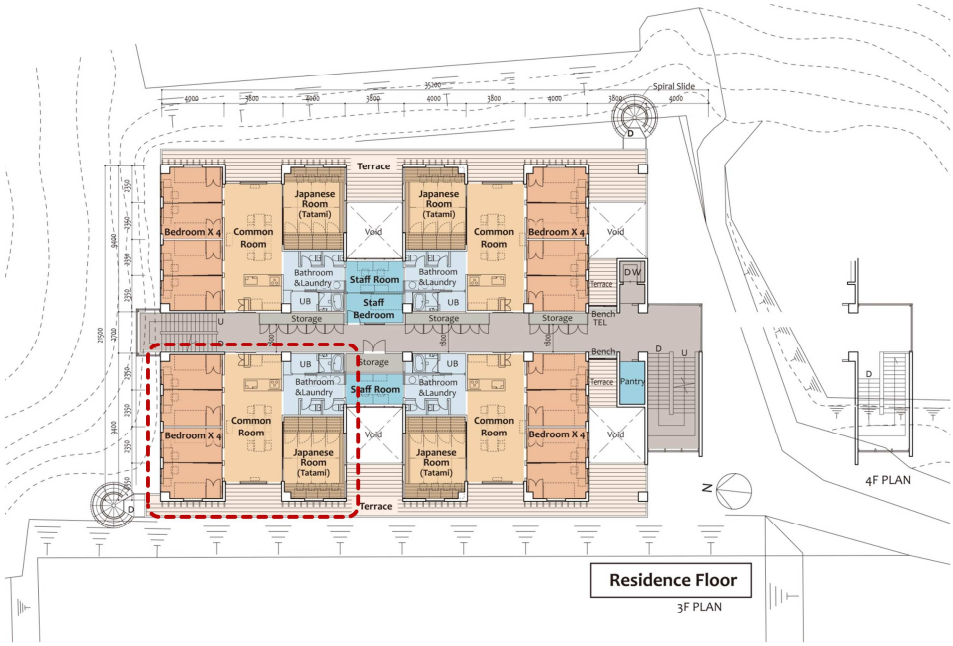
The 2nd floor entrance for residence is located at the top of outer stair a conceptual design approach.

On the left side of the entrance we designed the main kitchen, a place with staff that always welcome the kids like mother.

Next to kitchen is the living area for infant during daytime. It faces the terrace with wood deck and pergola that serves as a play yard for them.

Connecting to infant area there is a multi functional hall for ideas exchange with neighboring residents and usually the common living room.

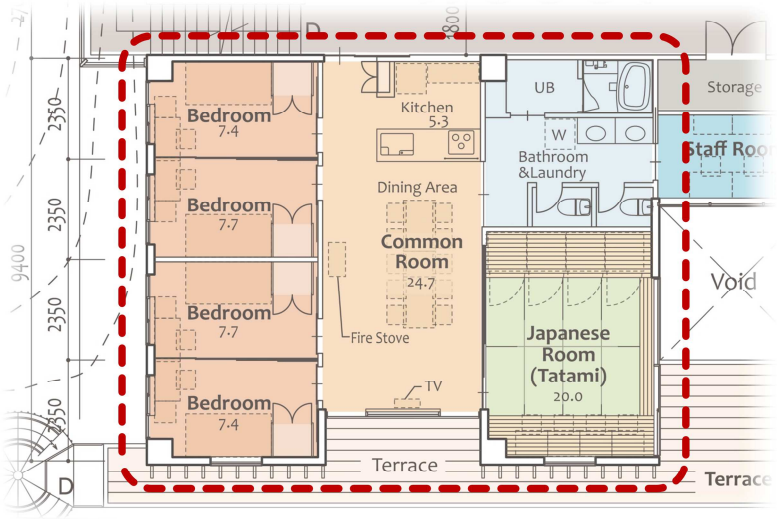
Plan – 3,4 Floor



3rd and 4th floor are residential area for children.

Each floor has 4 units, there are totally 8 units and provide spaces for 64 children totally.

Plan- Typical Residence Unit



10

One unit is thought as one house that gives shelter to 8 children providing kitchen, living and dining on the centre; single rooms, tatami room and bath room on both side. Living area should be the core of each unit, therefore we installed a wood stove with a visible flame. Wood stove provide a sense of warm living and looking at flames foster children's may receive emotional stability.

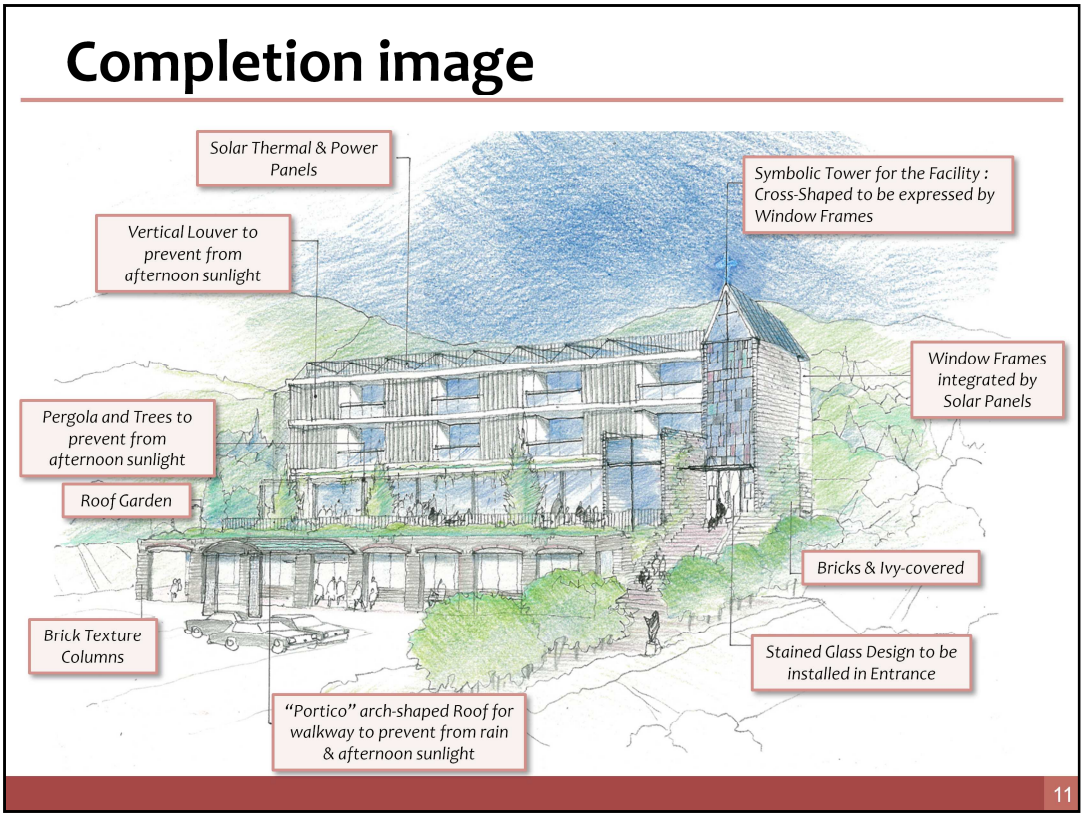
Tatami room is study and sleeping room for 4 children up to primary school.

4 single rooms are for 4 junior and senior high school children.

The new building should be emergency shelter not only for children but also neighboring resident, self-sufficient and a safe building. To secure perfect emergency evacuation 2 spiral slides are installed.

Deep-drilled well will be set up to keep water as well.

Rain water reused at maximum level providing function such as cooling water, garden watering and in emergency cases fire fighting water.



Finally, let me explain the exterior design.

It embodies zero energy building concepts use of renewable energy.

On the roof there are solar heat and solar power panel. Dr. Bartenstein will lecture in detail afterwards; these are core devices to realize zero energy building. Solar heat panels are the main source of hot water production used for heating, and solar power panels are installed to generate electricity.

There is a portico in front of guest entrance facing the parking area, doubles as sunshade.

Pergola on terrace with green is also preventing direct sunshine. Outside of living and dining of each unit, vertical louvers are installed as “brise soleil”.

To improve insulation performance the new building adopts external insulation.

Entrance for residence and staircase are a symbolic part of the building, designed to be a tower with brick and stained glass wearing ivy. The brick and stained glass is established by a “dry system” so that insulation performance isn’t spoiled.

That brings me to the end of my short project presentation.

We would like to thank you for the opportunity to present our Fujinosono project.

And we appreciate the enrolment of many donors to give a chance to this planning in participating with us on this project.

Now we will be happy to hear your comments and take your questions.

Thank you very much.