

## Minamioguni Town Sugita and Yatsuda Public Housing Complex



### Architectural Outline

Minamioguni-machi is located in the north side of the outer rim of Mt. Aso. The plan is to rebuild Sugita · Yatsuda Public Housing Complex close to the center of the town for over several years. The number of the houses is 56. The construction with four phases was completed in March, 2005.

The characteristic of this site is that it is divided into two sections, and it is a cold weather region. Especially Sugita area is a terraced field elongated from north to south and it is difficult to plan the layout integrally due to disjunction by existing road. Therefore, the following housing form was proposed in the plan. Separated housings can have glimpses each other with securing sunlight from the south and give an impression of one.

This is featured by placing detached staircases outside for the second-level housing and an alleyway is placed to connect both housings. The alleyway provides shades, wind pass thorough it and people can take shelter from rain. Encounters of neighbors are expected to increase naturally. This idea was created from the workshops held with residents prior to the designing. Log structure which supports the roof over the staircases depicts the wonder of cedars grown in Minamioguni.

Wooden structure was considered for the pair of housings at the beginning, however, due to sound insulation and protection from oscillation, mixed construction with RC wall structure for the 1st floor and wooden structure for the 2nd floor were applied. Being rather cramped, the inside is divided with fittings so that it can be used as one big room. Horizontally sliding fittings are applied between a living room and a Japanese style room in order for many relatives and friends to get together at the time of celebration and holidays.



### Architectural Data

Name	Minamioguni Town Sugita and Yatsuda Public Housing Complex
Location	Nakasugita 1650, & Yatsuda 202-1, Minamioguni-machi, Aso-gun
Main function	Housing
Developer	Minamioguni-machi
Architects	Kazutoshi Katayama, Kawasaki Architects Office (preliminary design), Taiko Architects Office (execution design)
General Contractors	
Building	Kurama Contractors Office Ninomiya Contractors Office Saito Contractors Office Yamada Contractors Office Kakui Construction
Outside maintenance	Kitazato Road Co., Ltd.
Site area	11,950.84m <sup>2</sup>
Building area	2,406.26m <sup>2</sup>
Total floor area	3,896.38m <sup>2</sup>
Extent	Two aboveground floor
Structure	Reinforced concrete construction and wooden construction
Outside finishing	
Roof	Japanese tile roofing
Outer wall	Concrete exposed, water-repellent coating & face siding
Construction period	October, 2001 ~ March, 2005
Total construction	826 million yen

### Profile of architect



#### **Kazutoshi Katayama**

- 1941 Born in Tokyo
- 1966 Graduated from Department of Architecture, Faculty of Fine Arts, Tokyo National University of Fine Arts and Music
- 1968 Completed master's course, Tokyo National University of Fine Arts and Music
- 1968 Entered Environmental Designing-Mogi Laboratory
- 1973 Assistant, Department of Architecture, Faculty of Fine Arts, Tokyo National University of Fine Arts and Music
- 1981 Established DIK Design Room Company
- 1987 Lecturer,
- 1989 Associate Professor
- 2000 Professor, Department of Architecture, Faculty of Fine Arts, Tokyo National University of Fine Arts and Music

#### ●Principal works

Numata Stable(house in a grassland), Kinzan-machi Public Housing Haneba Danchi(Kinzan cedar house), Accommodation building of Sai-no-kuni Fureai-no-mori Forest Museum, Cooperative House Co-house Kitami

#### ●Awards

- 1986 Win a prize for Tokyo Minato Ward "Urban Housing Design Competition"
- 1991 Nihkan Kogyo Shinbun/Engineering & Scientific Book culture Award ("Explore the Space of Chinese Housing" Kenchiku Shiryo Kenkyusha(joint authorship))
- 1991 Saitama Prefecture Forest of 21st century Lodgment Facility Draft Competition
- 1995 Encouragement Prize of JIA (Saitama Prefecture Sai-no-kuni Fureai-no-mori Forest Museum; Lodgings)
- 1996 AIJ Recommendation (Saitama Prefecture Sai-no-kuni Fureai-no-mori Forest Museum; Lodgings)

- 2002 AIJ Award (remarkable achievement)  
(Yamagata Prefecture Kaneyama-machi  
“Town Developing 100-year Movement”)
- 2003 Good Design Award (Yamagata Prefecture  
Kaneyama-machi “Town Developing 100-  
year Movement”)

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