



**Kumamoto Prefectural
Kuma Technical High School
Administration Building**

くまもと
アートポリス
KUMAMOTO
ARTPOLIS

Kumamoto Prefectural Kuma Technical High School Administration Building

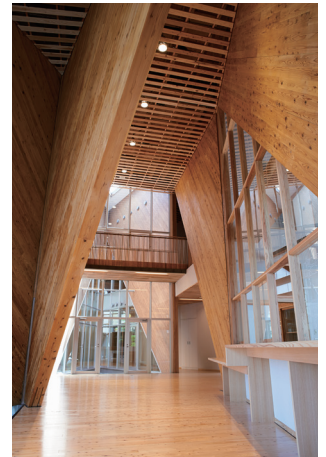
● Building Plan Outline

This building is the reconstruction of the administration building in the Kuma Technical High School in Hitoyoshi City, Kumamoto. It was planned to commemorate the 50th anniversary of establishment of the school, and was selected in a Kumamoto Artpolis competition.

One of the most important conditions for the building was that it would be a wooden building constructed through the use of the abundant forest resources of the Kuma region. Moreover, the new administration building has a distinctive sense of existence but does not stand out uncomfortably. It exists in harmony with the existing campus and its characteristic circular arena in the center.

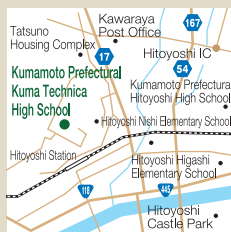
Instead of laminated wood, inverse triangle shaped wall pillars, made primarily of 120x180 mm (some 210 mm) of cedar square lumber laminated at an inclination, are built up along a plane form and combined to form a hexagonal shape just like a bee hive. The wall pillars that gather at the tip at an angle are smoothly segmented at regular intervals, and at the same time, they continue to spread out in various directions through triangular openings, thus creating a unique internal space similar to a cave that spreads like a labyrinth. The interiors give a cool feel of fresh wood, the skylight peeps through the triangular tips of the wall pillars, and wind blows through the openings.

In consideration of the humid climate of Hitoyoshi throughout the year, and the torrential downpours in recent years in the Kumamoto area, the roof has the look of a broken rooftop with a ridge in the center, and cedar wooden panels with a protective wooden coating on a ventilation layer extend on the outer side of the wall pillars, thus protecting the wall pillars that form the structure. The building also has a library, a reference room, and other rooms that can be used by both staff members and students. After its completion, this building is expected not only to be used every day, but also to be remembered by everyone as a fond memory of their old school after graduation.



● Construction data

Name	Kumamoto Prefectural Kuma Technical High School Administration Building
Address	800, Shiromotomachi, Hitoyoshi-shi, Kumamoto
Main usage	School
Operating body	Kumamoto Prefectural Board of Education
Designed by	Workstation + Mode Frontier + Hagimine JV
Constructed by	Building/Ajioka and Sokunaga Constructions Joint Venture Electricity/Kyousei Electronic Equipment Co., Ltd. Machinery/Chuo Setsubi Corporation
Site area	70,907.00 m ²
Construction area	1,094.36 m ²
Total floor area	1,736.07 m ²
No. of floors	2
Structure	Wooden + Reinforced concrete structure (connecting corridor)
Exterior finish	Cedar strip flooring t15 wood protective layer
Duration of construction	July 2012 to July 2013
Total construction cost	473,000,000 yen

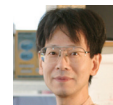


● Architect Profile



Akiko Takahashi

1958 Born in Shizuoka-ken
1980 Graduated from Kyoto University Graduate School of Engineering, Department of Architecture and Architectural Engineering
1986 Completed doctoral program from Tokyo Institute of Technology
1986 to 1988 Worked at Kazuo Shinohara Atelier
1988 Established Work Station
2004 to present Professor at Musashino Art University



Hiroshi Takahashi

1953 Born in Tokyo
1978 Completed Master's Degree from Tokyo Institute of Technology
1985 to 1989 Assistant at the Tokyo Institute of Technology, School of Architecture
1989 Established Work Station
2014 to present Part-time Lecturer at Kanto Gakuin University and Musashino University

● Main works

5 SPANS HOUSE, Kochi Prefecture Sakamoto Ryoma Memorial Hall, Nakamachidai Area Center (Yokohama-shi), SUMHOUSE 1996, Osawano City Health & Welfare Center, Sakawa Sakuraza Town Hall, Gifu Prefectural Housing High Town North and Takahashi Building, Azabu University Veterinary Clinical Center, Yokohama Isogo Area Care Center, Nogyama Zoo Animal Interaction Corner, Apartments Shinonome Canal Court, Yokohama Triennale 2005, Yokosuka-shi Health & Safety Scientific Center, Nouvelle Akabane-dai, ROOM 205, Acty Yokohama Yamashitacho, Housing in Fukami, Veterinary Medical Center - Tokyo University of Agriculture and Technology - Department of Agriculture, Ashikita Area Resource Utilization Comprehensive Exchange Promotion Facility, Kogane-cho "Architecture Planet Project" SpaceE, Kogane-cho "Studio Beneath the Rails (New Space) Site-C Atelier

● Record of Awards

1992 Chosen for SD Review 1992 (Y Project)
Kochi City Urban Design Award / Japan Institute of Architects Rookie of the Year Award (Sakamoto Ryoma Memorial Hall)
1993 1st Architecture of the Year Award (Sakamoto Ryoma Memorial Hall)
1998 Yokohama Townscape Award (Yokohama City Nakamachidai Area Center)
1999 Good Design Award Facility Department (Sakawa Sakuraza Town Hall)
2000 All Japan Construction Engineers' Association Zenkensho (Entire Gifu Prefectural Housing High Town North and South Block) Chubu Architecture Award (Osawano City Health & Welfare Center)
2002 Japan Commercial Environmental Design Association (Nogyama Zoo Animal Interaction Corner)
2005 Good Design Award Construction/Environment Design Department Gold Award (for Shinonome Canal Court Central Zone)
2006 BCS Special Award (for Shinonome Canal Court Central Zone)
2008 53rd Kanagawa Architecture Competition Excellence Award (Housing in Fukami)
2010 2010 Excellent Wooden Facility Wood Use Promotion Central Conference Chairperson Award, 13th Wood Utilization Competition Special Award, 15th Kumamoto Prefecture Wood Utilization Large Facility Competition Kumamoto Prefecture Award (Ashikita Area Resource Utilization Comprehensive Exchange Promotion Facility)
2011 Architectural Institute of Japan's Annual Architectural Design Commendation (Ashikita Area Resource Utilization Comprehensive Exchange Promotion Facility)
2013 57th Kanagawa Architecture Competition Excellence Award (for Kogane-cho "Studio Beneath the Rails (New Space)")



Hiroshi Hamada

1965 Born in Kumamoto Prefecture
1988 Graduated from the Tokyo University of Science, Department of Science and Engineering, School of Architecture
2001 Established Mode Frontier Co., Ltd.
2009 Changed the organization to Mode Frontier Corporation. Same until present

● Main works

Building No. 4 Minamata-shi Tsukinoura, Meshima Energy Promotion Center "Yumemoyai" Ashikita-machi, Minamata-shi Yunotsuru Product Shop "Tsurunoya"

● Record of Awards

2013 Townscape Award (Minamata-shi "Nakaoyama sky road")
2013 Kumamoto Prefecture Material Promotion Award (Ashikita-machi "Yumemoyai")



Nobuharu Hagimine

1948 Born in Minamata-shi, Kumamoto
1971 Graduated from Hiroshima Institute of Technology School of Architecture
1979 Established Hagimine JV

● Main works

Priests' quarters at the Saihoji temple, a religious corporation
Hikaridouen Kindergarten Building, a social welfare corporation
Keiaisono, a nursing home for the aged
Yude Hikaridouen Kindergarten Building, a social welfare corporation

● Record of Awards

2004 Ministry of Land, Infrastructure and Transport commendation

Kumamoto Artpolis Office

Kumamoto Prefectural Government Department of Civil Engineering Architecture and Housing Bureau Architecture Division

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