

Misato Forestry Center



Architectural Outline

This is a small meeting place in the forestry town in Kumamoto Prefecture. (total floor area is 520m²) It was required to use local lumbers and to construct a building which will be a symbol of the town. The site is on the hill developed in the mountain and the athletic park is located near-by. The building is mostly flat and it has an assembly room for citizens' meeting or recreation whose area is equivalent to two badminton courts size. This building is covered with amorphous structure made of wood and the whole building is placed inside the glass-made rectangular parallelepiped. From outside it looks like as if a large artificial bush is made on a hillside. It is a mixed structure of wood and steel.

Light-gauge steel pillars (60mm x 60mm) are put up every 1m along outward wall and lattice-shaped woods (cedar) are put up inside. Light-gauge steels are put on every 2m on the roof and lattice-shaped woods are put underneath at a 45-degree angle to form truss with steel.

The span is 22m. Upper chord member and lower chord member having 45 degree angle, the height of the ceiling is adjusted in accordance with the required space underneath to be secured. Concrete is not used at all for this construction. Using only steel and wood, it appeals the importance of wood as building material.



Architectural Data	
Name	Misato Forestry Center
Location	Sakanuki, Misato-machi, Shimo-mashiki-gun
Main function	Facility for training
Developer	Tomochi-machi (presently Misato-machi)
Architects	Taira Nishizawa
General constructor	
Building	Yoshinaga Industry
Electricity	Kyudenko
Site area	1,659.00 m ²
Building area	415.40 m ²
Total floor area	520.01m ²
Extent	Two aboveground floors
Structure	Mixed structure (wood & steel constructions)
Outside finishing	
Roof	Sheet water proofing
Outer wall	Cedar timber wood siding & Xyladecor
Construction period	September, 2003 ~ July, 2004
Total construction cost	136 million yen (includes septic tank)

Profile of architect



Taira Nishizawa

- 1964 Born in Tokyo
- 1987 Graduated from Tokyo Institute of Technology
- 1987 ~ 1993 Worked for Irie Ken-ichi Architectural Design Office
- 1993 ~ Presides Nishizawa Taira Architectural Design Office
- 2004 Adjunct lecturer, University of Tsukuba, Tokyo University of

●Principal Works

House in Tachikawa, House in Kumagaya, House in Ota,
House in Suwa, Shop Eendenu, Housing Complex A and
B in Chofu

●Awards

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|------|---|
| 1995 | Kumamoto Artpolis Design Competition
Excellent Work |
| 1995 | SD Review 1995 |
| 1996 | SD Review 1996 |
| 1997 | Tokyo Society of Architects & Building
Engineers Award (House in Tachikawa) |
| 1999 | Tokyo Society of Architects & Building
Engineers Award (House in Ota) |
| 1999 | Display Design Award 1999 (Venue formation
of Portable Sacred Grounds Exhibition) |
| 2001 | Tokyo Society of Architects & Building
Engineers Award (House in Suwa) |
| 2002 | New Tomihiro Museum International Design
Competition Prize |
| 2002 | Katsuyama City Health & Welfare Center
Open Design Proposal Outstanding Award |
| 2003 | Onishi-machi Multipurpose Hall “Indoor
Space” Open Design Competition Outstanding
Prize |

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