Year: 2024
Location: Japan
Program: Temporary Housing

DLT Permanent Timber Temporary Housing



This is a timber temporary housing project constructed in the aftermath of the Noto Peninsula earthquake that occurred on January 1, 2024. Designed with permanent use in mind, the houses were built using Dowel Laminated Timber (DLT)—where panels made by connecting lumber with wooden dowels are assembled into box shapes and stacked in a staggered manner, enabling rapid construction. Typically, temporary housing is provided for two years. However, this project is designed to allow the housing to be used as permanent residences. Nine housing units with 135 households, in a park near Mitsukejima in Suzu City, and three units with 31 households, in Wajima City are being constructed.

Construction of DLT Permanent Timber Temporary Housing in Mitsuke-jima, Suzu

On June 20, 30 households were completed and handed over as part of the nine planned buildings (135 households). The rooms are furnished with furniture and tables. In the room, curtains by artist Tomoko Konoike have also been installed.

Location : Mitsuke Park, Suzu city, Ishikawa Prefecture
Construction : Ishikawa Federation of Construction Companies
Supply of DLT : M.HASEGAWA & CO.,LTD.
In Cooperation with: Tomoko Konoike, Washin Chemical Industry Co., Ltd., SYNEGIC Co.,Ltd., MUJI

▶This project was featured on JapanGov's social media platforms.

Exterior view, June 14th

Exterior view, June 14th

Exterior view, June 14th

Interior view, June 19th

Curtains by artist Tomoko Konoike, June 14th.
She asked people who do handicrafts to help us by sewing curtains out of fabrics they had at home and embroidering motifs inspired by Ukrainian poetry. The motifs of the artwork, inspired by Ukrainian poetry, were embroidered on the curtains.

Under Construction, June 11th

Under Construction, June 11th

Under Construction, June 11th

Under Construction, May 31st

Under Construction, May 25th

Under Construction, May 18th

Under Construction, May 18th

Under Construction, May 10th

Under Construction, May 2nd

Under Construction, April 27th

Under Construction, April 12th

Under Construction, April 12th

Under Construction, April 7th

Under Construction, March 29th

Under Construction, March 20th

Under Construction, March 20th

Under Construction, March 18th

Under Construction, March 18th

Under Construction, March 18th

Under Construction, March 18th

Unit Plan

Plan

Site Plan

Features of DLT Permanent Timber Temporary Housing
- DLT is made by lining up a row of lumber, drilling holes, and inserting wooden dowels. No glue or nails are used during this process.
- DLT is a material that is easy for local lumber companies to work with because of its simple processing process, with no gluing process and no need for large-scale manufacturing facilities.
- Staggered stacking of box-shaped units of DLT lumber enables construction in a short period of time.
- The interior will be kept as DLT without additional finishes, allowing the interior space to take full advantange of the texture and materiality of wood.

DLT