
Tsukahara Construction, Ltd.

Headquarter : 2483-3 Oaza-Fujimagari, UBE-CITY, YAMAGUCHI-KEN, 755-8510, Japan

Representative : Akira TUKAHARA

Business Classification	Capital	No. of Employees	Established
Construction	¥20,000,000	42	1951

Description of Business : Our company offers comfortable living space for residents and a highly valued estate for condominium owners with our Hero-Mansion condominium promoted for sale throughout the nation.

Main Products and Business : Civil engineering and construction for government offices in Ube-City, and surrounding and other areas within Yamaguchi Prefecture. Design and construction of the Hilow-Mansion.
Main Equipment and Facilities : 3 power shovels / 1 mini power shovel / 1 mini back hoe / 2 four ton dump trucks (registered for the collection and transportation of industrial wastes)
Qualified Permits, Registrations and Others : Specified construction ; Gaverner of Yamaguchi Prefecture No.1346 / civil engineering, construction / carpentry / scaffolding / roof work / steel framework, pavement / water service facility / piping construction / Real estate broker ; Governor of Yamaguchi Prefecture NO.2961 / The 1st class architect office ; Governor of Yamaguchi Prefecture (C) NO.1141
Licensed and Qualified Engineers & Specialists : 3 architects (1st class) / 5 construction control technicians (1st class) / 7 civil work control technicians (1st class) / 3 gardening control technicians (1st class) / 2 piping control technicians (1st class) / 1 building estates and constructions manager / 1 administrative manager / 1 surveyor

Environmental Preservation Activities

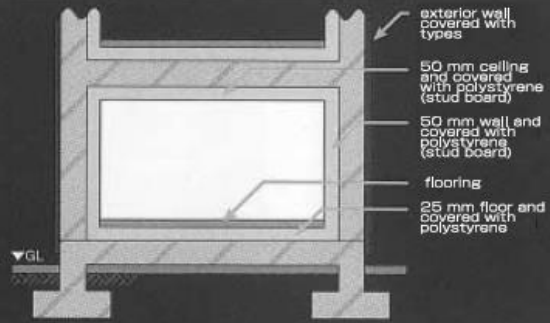
Environmental Pollution Prevention	Using construction machines for noise reduction and low vibration, Using a fence against water pollution and oil treatment medicine etc.
Waste and Recycling	Saving raw materials : We have realized a condominium for people and their environments by using polyethylene frames of the Hero-Mansion condominium instead of formed frames.

Outline of Business (Flow System and Photos)

Characteristics of Hilow-Mansion

High quality housing developed with Hokkaido tile

The floor of Hilow-Mansion is 25 mm thick and finished with flooring. The ceiling and walls are 50 mm thick and covered with polystyrene (stud board). Moreover the concrete noise proof is added to this. Therefore the wall is 75 mm thick and noise proof is exceeded more than ordinary apartments.



High quality housing

AMENITY

Hilow-Mansion offers high quality of airtightness, heat insulation and sound isolation by using 50 mm thick ceiling and walls made of stud board. The windows are made for double layered sash. The residents can be benefited from saving energy by stopping heat in summer and cold in winter.



Structure for saving energy and environment

ECOLOGY

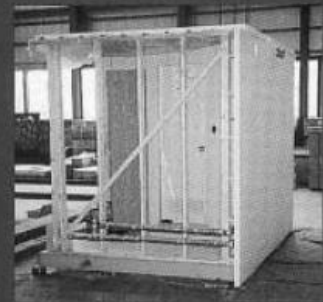
The AE2 construction method used for this housing uses polystyrene form. This form has both functions of framework and heat insulation after finishing the construction. This is how we are able to save material and to help conservation of environment. The former apartments use concrete for framework and the panels used for this frame emit lot of poisonous formaldehyde as well as to waste lot of valuable wood.



2 merits; low cost and short period-term construction

ECONOMY

Unit for bath rooms is manufactured in a factory in the AE2 construction method. So efficiency for construction is advanced and costs for manpower is reduced. For example 30% of the total cost is lowered. The period of construction is also shortened due to a well managed plan.



Further Information on Environmental Technology

Tsukahara Construction, Ltd.

Hilow-Mansion Division : Takeo TSUKAHARA

2483-3 Oaza-Fujimagari, UBE-CITY, YAMAGUCHI-KEN, 755-8510, Japan

Phone : 0836-31-2511/ Fax : 0836-31-2513/ E-mail: tsukahara@lime.ocn.ne.jp