Using a newly developed construction method, stainless steel water supply pipes are replacing the commonly used polyvinyl-chloride alternatives. The new method allows builders to tailor the length of vertical pipes to the height of the building. Smaller diameter pipes are used to offset the larger flow-coefficient of stainless steel pipes. The use of stainless means that the water arrives clean and uncontaminated. The pipes are not easy to break which reduces both failures and maintenance costs significantly. Stainless pipes also offer excellent performance in earthquakes.

Location: Japan
Environment: Indoor
Product: Light Gauge Stainless Steel Tubes
Fabrication process: Forming and Welding
Grade/surface: SUS304 TP
Material thickness/diameter: 1.5 to 3.0 tonnes/76.3 to 216.3 mm
Weight: Approximately 5 kg per house
Competing material: Polyvinyl Chloride
Date of Completion: April 2010
Manufacturer: Haseko Corporation
Material Supplier: Nisshin Steel
Source of Information: Nisshin Steel
Remarks