

Year: 1990

Location: Japan

Program: Culture and Leisure

East Gate of Odawara Festival



Because building codes did not require official permits for the construction of gates, the East Gate of the Odawara Festival was able to become a real paper tube structure. In this Vierendeel gate structure, the primary structural members were the paper tubes, which were connected by steel joints and braced by steel tensile members. Post-tensioned members also ran within the tubes, further stabilizing the structure.