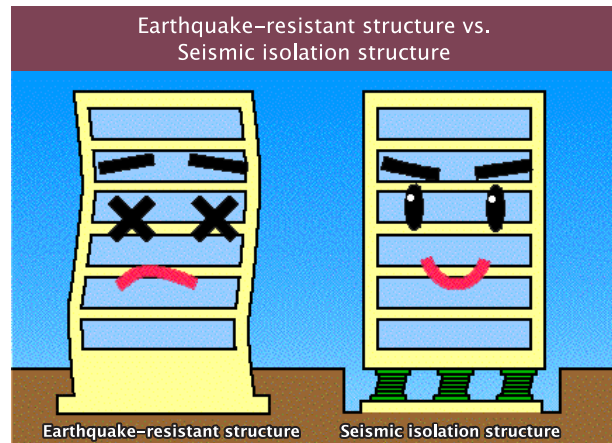


Seismic isolation construction

In this technique, seismic isolators are placed between a building and its foundations to help prevent the direct transmission of earthquake motion for safety in addition to secondary incidents such as furniture toppling and fire.

Characteristics

- **Improved safety**
The seismic isolation layer absorbs earthquake motion for improved building safety.
- **Functionality maintenance/asset protection**
Loss of building functionality and asset value is mitigated even in large earthquakes.
- **Peace of mind and livability**
Related seismic safety against earthquakes provides residents with peace of mind and livability for commonly occurring minor earthquakes.
- **Increased design flexibility**
Design flexibility is optimized with earthquake motion lower than that of regular earthquake-resistant structures.
- **Reduced seismic costs**
As earthquake damage is lower than with regular earthquake-resistant structures, seismic costs (including recovery and operating loss) are reduced.



Laminated rubber



Steel bar damper



Lead damper



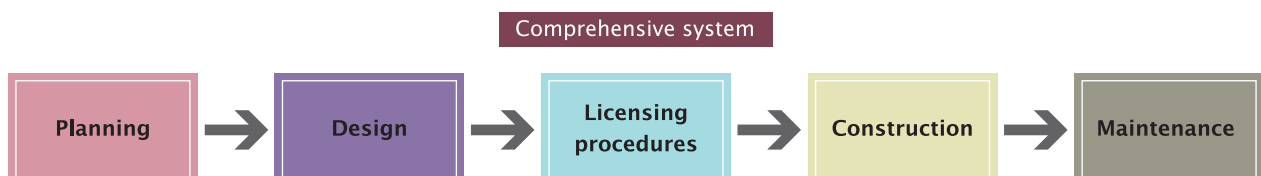
Expanding joints

Overview

Seismic isolation structures usually include laminated rubber that flexes while supporting structural weight, dampers that absorb shaking, and other elements that help to maintain function, such as expanding joints and flexible pipes.

Comprehensive system

A comprehensive system covering everything from planning to maintenance helps to ensure client security.



Related application

Property	Location	Floor space	No. of floors	Type
Ichigao-ryo	Aoba-ku, Yokohama, Kanagawa	1,185.8m ²	4 above ground	Design construction
Lions Garden Weda Chuo	Tempaku-ku, Nagoya, Aichi	4,751.9 m ²	14 above ground 1 underground	Design construction
Comfort Patio Kumagaya Higashi	Ginza, Kumagaya, Saitama	7,646.0m ²	8 above ground 1 underground 1 penthouse	Design
Comfort Kumagaya Ginza - The Tower	Ginza, Kumagaya, Saitama	8,414.6m ²	17 above ground 1 penthouse	Design
SKC Center	Shiroi, Inba-gun, Chiba	15,846.0m ²	8 above ground 1 penthouse	Construction
Ebina Higashi-Kashiwagaya Condominium (Building A)	Ebina, Kanagawa	14,222.5m ²	13 above ground 1 underground 1 penthouse	Construction
Ebina Higashi-Kashiwagaya Condominium (Building B)		10,384.1m ²	13 above ground 1 underground 1 penthouse	Construction
Gifu University Hospital	Gifu	60,568.5m ²	10 above ground 1 penthouse	Construction
Excel Dia Higashi-Oi	Shinagawa-ku, Tokyo	1,952.6m ²	13 above ground	Construction
Higashiyama Mansion	Chigusa-ku, Nagoya, Aichi	2,305.9m ²	13 above ground	Design



Comfort Patio Kumagaya Higashi



Ichigao-ryo



Lions Garden Weda Chuo

October 1, 2019

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