

# KYO Alitalia III Building (Mexico)



## Project description

The KYO Alitalia III is a 18-storey residential building, currently being constructed in Tijuana, which is located near the San Andreas Fault, in an area that is well known for its seismic activity.

In the past, seismic protection of buildings in this part of Mexico has generally been limited to the costly option of designing the structure with enough robustness – using enough concrete and steel – to withstand even a very strong earthquake.

However, in the case of the KYO Alitalia III Building, Tijuana's new construction regulations and budget restrictions made the building project unfeasible without the use of seismic protection devices.

## mageba scope

mageba designed and supplied 21 RESTON®SA shock absorbers at suitable locations throughout the superstructure.

The products were designed for a sudden dynamic force of 500 kN and with a stroke of +/-50 mm, to meet the building's specific energy dissipation needs.

The RESTON®SA shock absorber works on the principle of the rapid passage of a viscous fluid through a narrow orifice or port, creating high resistance that dissipates a large amount of energy as heat.

The introduction of these high-performance shock absorbers to building construction projects in western Mexico is sure to make a real impact on the way buildings are designed and constructed in this region.

## Highlights & Facts

### mageba products:

Type: RESTON®SA shock absorbers  
Installation: 2022

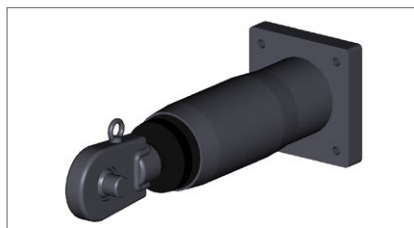
### Structure:

City: Tijuana  
Country: Mexico  
Type: Residential building  
Owner: KoiNOX Developers  
Contractor: MCA Corporation  
Designer: MCA Corporation

The project is located in the coastal city of Tijuana in Baja California



A design representation of the supplied RESTON®SA shock absorbers



Two RESTON®SA shock absorbers as packed in a crate for protection during transport to site

