

MT. SAC GATEWAY PARKING STRUCTURE



P PROJECT PROFILE > PARKING

PROJECT HIGHLIGHTS

Nestled in 420 acres of Walnut, California sits a public community college founded shortly after WWII. Mt. San Antonio College—widely known as, Mt. SAC—primarily serves the local community. The college has invested a considerable amount toward growing infrastructure over the last few years. One of these projects—the Gateway Parking Structure. This four-story parking structure includes 829 spaces, 17 electric vehicle charging stations, and a pedestrian bridge to their new wellness complex.

MM Systems worked alongside Walker Consultants and HPI Architecture to design expansion support for this project. Existing block outs needed to be matched to ensure proper thermal and seismic movements. Our Bolt-In Seismic System (BIS) offered the perfect solution to cater to this seismic region. Our team engineered a customized BIS system to accommodate the 14-inch joint opening on the top parking deck. We tailored an additional solution with extra extension plates at the elevator cores with our custom fabricated HSC (Hinged Safety Cover) system.

PROJECT

Mt. SAC Gateway Parking Structure

LOCATION

Walnut, CA

BUILDING TYPE

Parking Structure with Pedestrian Bridge

EXPANSION JOINT SYSTEMS

- ASC/ASCL Expansion Joint Covers
- Bolt-In Seismic System (BIS)
- Expanded Rubber Sealing System (ERS)
- Hinged Safety Cover System (HSC)
- LokCrete® Membrane System (LMS)
- Silicone Covered Ethylene Foam Seal (SCE)

ARCHITECT

HPI Architecture

GENERAL CONTRACTOR

Tilden-Coil Constructors, Inc.

PARKING CONSULTANT

Walker Consultants

INSTALLATION CONTRACTOR

Letner Roofing Company

MT. SAC GATEWAY PARKING STRUCTURE



Customized Bolt-In Seismic System (BIS) at installation.



Hinged Safety Cover System (HCS) at the elevator core.



Flexible Rubber Gutter System (FGS) on the under-side of the BIS System installation.



BIS installation on the parking deck ramp.



ASCL Expansion Joint Cover under the elevator awning.

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