

AC 2 Project (USA)



Project description

The AC 2 project in Cupertino, California consists of a massive circular building with an area of over 2.8 million square feet (26,130 m²) and was designed to provide works space for 12,000 employees.

The main building incorporates a 4,000-seat cafeteria with an open ceiling reaching up to 4 stories, and fronted with full height sliding glass doors.

In addition to the main office building the project also incorporates 175 acres (708,200 m²) of surrounding buildings and open spaces including a 1,000-seat theatre, on-site fitness facilities, and other office buildings for research and development.

mageba scope

For this project TENSA®QUAKE seismic expansion joints were supplied for 20 different locations with requirements to accommodate +/- 52" (+/-1,320 mm) of movements in any horizontal directions as well as +5"/-0" (+ 127/- 0 mm) of vertical movements.

mageba provided 2,000 ft. (700 m) of joints for the pedestrian entrances, and 750 ft. (228 m) of heavy duty joints for the vehicular entrances of this enormous building.

In addition to meeting demanding technical requirements the joints at the pedestrian entrances had to fulfill strict aesthetic requirements as well.

mageba worked closely with both, the building and the landscape architects, to ensure that after installation the joints blended seamlessly with the surroundings.

Highlights & Facts

mageba Products:

Type: TENSA®QUAKE seismic expansion joints
Installation: 2016

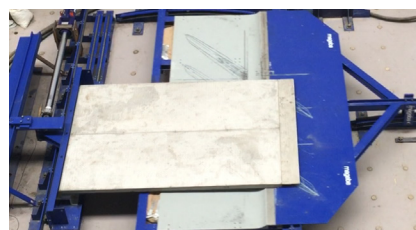
Structure:

City: Cupertino, CA
Country: United States
Type: Office Building
Contractor: Skanska USA / Holder Construction
Engineer: ARUP
Architect: Foster + Partners

The project is located nearby to Cupertino's downtown area in California



Extensive testing was done on the full-sized models of the expansion joints



After installation the joints blend seamlessly into the stone tiles at the building entrances

