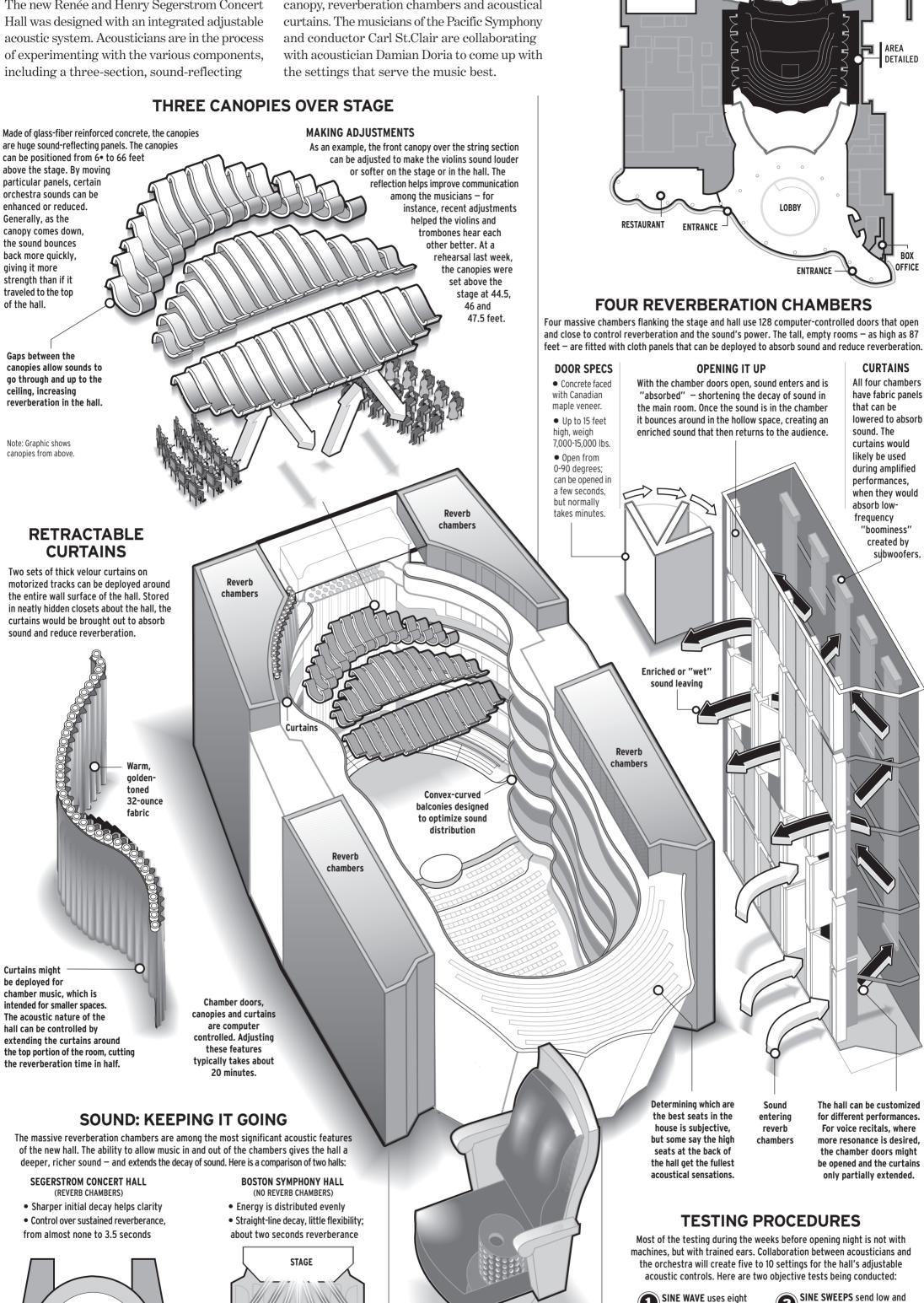
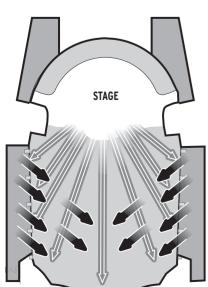
PREPARING SEGERSTROM CONCERT HALL

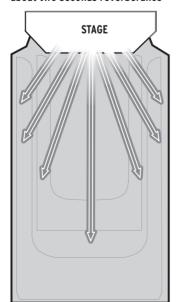
FINE-TUNING

The new Renée and Henry Segerstrom Concert including a three-section, sound-reflecting

canopy, reverberation chambers and acoustical and conductor Carl St.Clair are collaborating the settings that serve the music best.





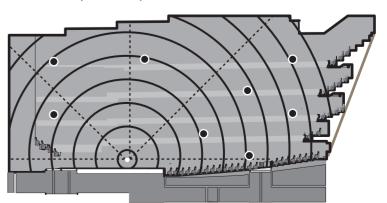


KEEPING QUIET

A crucial task for the hall's design team is to eliminate extraneous noises, such as honking cars, buzzing lights and noisy ventilation systems. For ventilation, a low-pressure air system is used. It includes vents beneath each chair, through which air slowly drifts without noise. Another feature to keep noise out is the use of concrete around the hall and the absence of any hollow subfloors or spaces inside walls.

SINE WAVE uses eight microphones positioned throughout the hall to ensure that efficient use is being made of the amplified loud speakers.

SINE SWEEPS send low and high frequencies around the room; they are then measured by a computer to determine how the hall reacts to different sounds.



SEGERSTROM CONCERT HALL

STAGE

LOBBY

SAMUELI THEATER

Sources: Damian Doria, Artec Consultants and Orange County Performing Arts Center Reporting by Timothy Mangan, Chantal Lamers; graphic by Scott Brown / The Register