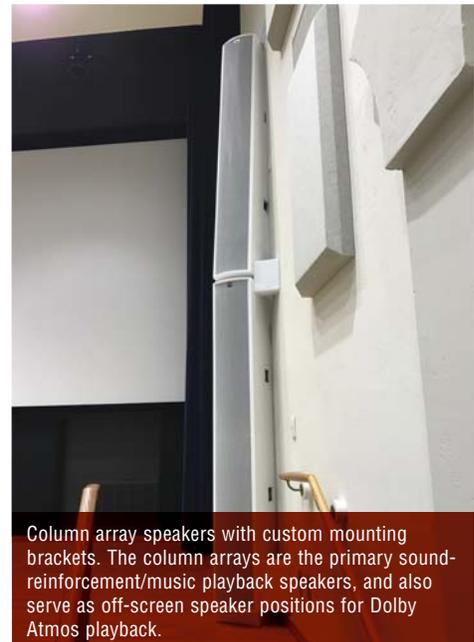Control room view, showing left and right column arrays and ceiling surround positions. Three arrays of seven array modules and three subs provide L/C/R screen channel playback through a perforated screen.

Column array speakers with custom mounting brackets. The column arrays are the primary sound-reinforcement/music playback speakers, and also serve as off-screen speaker positions for Dolby Atmos playback.

Equipment

Speakers

    Adaptive Technologies MM-024 MultiMounts
2   SLS 115-I room rear low-frequency-support speakers
7   SLS CPA6600v2-I-BK behind-screen HM center-channel speakers
7   SLS CPA6600v2-I-BK behind-screen HM right-channel speakers
7   SLS CPA6600v2-I-BK behind-screen HM left-channel speakers
2   SLS CPC1212-I-WT PA (lecture/voice) + left-side surround speakers
2   SLS CPC1212-I-WT PA (lecture/voice) + right-side surround speakers
4   SLS CS1290C ceiling (mounted) surround speakers
8   SLS CS1290S wall (mounted) surround speakers
3   SLS CS218XL behind screen HM left-, right-, center-channel speakers
6   SLS CS890C ceiling (mounted) surround speakers
10 SLS CS890S wall (mounted) surround speakers

Amplification Stage Power Rack

    Belden 10 gauge high-strand speaker cable (7000')
4   Crown DCI41250N 4-channel x1250W network amps
1   Crown DCI42400N 4-channel x2400W network amp
1   Crown DCI4300N 4-channel x300W network amp
3   Crown DCI8300N 8-channel x300W network amps

Projection, Control

1   BSS BLU-160 audio signal processor
1   Christie CP4220 digital cinema projector
1   Christie IMB-S2 integrated media block
1   Christie SKA-3D cinema video processor
1   Crestron DMPS3-300-C 4K DigitalMedia control processor
2   Crestron TSW-750 2 touchscreens
1   Dolby Labs CP850 Dolby Atmos processor
1   Oppo BDP-103 Blu-ray player
1   Panasonic PT-DZ13KU large-venue data projector
1   Samsung UBD-K8500 4K disc player
1   Seymour AV/Screen Excellence RF310WS-4K Enlighter-PRO acoustically transparent projection screen

List is edited from information supplied by Tailored Technologies.

The cinema processor provides custom sound-reinforcement voicing and Atmos surround playback processing.

to rotate into the wall because we had no room. There's a staircase coming up on each side of the stage, which couldn't be obstructed."

We will offer further perspectives, as related by the two Stanford classroom technology specialists, about these new system speakers and the misfortune of the replaced existing PA later.

Now that we've covered the sound-reinforcement speakers, here's a summary of the Atmos surround sound SLS speakers.

They consist of three seven-element arrays of CPC6600V2s for screen channels. The 30 surround channels are comprised of CS890Ss and CS1290Ss for the side, rear and balcony channels, and CS890Cs and CS1290Ss for the ceiling channels, along with the aforementioned CPC1212 stage-mounted columns.

For low-frequency support, there are three CS218XL subs for screen channel LFEs and bass management (bass supplement for front surround channels), and two 115-I subs for surround bass management. All speakers are driven by Crown amplifiers. Readers should also view the equip-