



# THE POWER OF PANELS

## Sandals Church Install Highlights the Importance of Well-Designed AVL Control

### Matt Brown, Pastor, Sandals Church

Sandals Church, in Riverside, Calif., started 19 years ago as a humble vision in the minds of Pastor Matt Brown and his wife Tammy. Called to create a community, we opened up our living room as our first gathering place. As our congregation grew, we needed a larger space. For the next several years we operated out of several churches. Finally, five years ago, we moved into the current 100,000 square-

foot building that functions as our main campus, and today, along with two other satellite locations, we serve more than 6,000 congregants.

When CCI Solutions started working with us almost three years ago, our sanctuary was only intended to be a temporary space until a larger, permanent facility could be built next door. That permanent space would provide our church with a 3,000-seat auditorium and additional ministry space, and we had worked with the CCI Solutions to design systems with ample room

for expansion. Faced with insufficient funding, the plans for a bigger facility were revised to a scaled back version of the AV design installed into our current building to support our five contemporary weekend services.

In the current building, the front half of the sanctuary, which is on the stage side of the room, houses all of our church's

backstage storage and electrical distribution for the AVL systems, while the FOH and video production suite are on the other side of the room. With space at a premium, we needed a cost-effective lighting control system and power platform that could distribute power to the two sides of the building without undertaking an expensive remodel. With

PHOTOS: TWO DIFFERENT BREAKER PANELS AT SANDALS CHURCH – ONE DEDICATED TO THE AUDIO/VIDEO EQUIPMENT AND ONE FOR THE LIGHTING SYSTEM – OFFER MORE THAN ENOUGH CIRCUITRY NOW AND INTO THE FUTURE.  
PHOTOS COURTESY OF SANDALS CHURCH



## LYNTEC GEAR LIST

- PANEL AV1
- RPC 365 REMOTE POWER CONTROL PANEL, 3Ø, 4 WIRE, 208Y/120VAC
- 400A MAIN, HOLDS 65 BREAKERS, CONTROLS 167 BREAKERS
- MBR-20 BOLT-ON MOTORIZED BREAKER, SQUARE D #ECB14020G3
- UBR-220 BOLT-ON UNMOTORIZED BREAKER, SQUARE D #EDB24020
- UBR-20 BOLT-ON UNMOTORIZED BREAKER, SQUARE D #EDB14020
- UBR-100 3-POLE BOLT-ON UNMOTORIZED BREAKER, SQUARE D
- SGX20-12 LYNTEC SIDCAR CONTAINING 12 20A SURGEX POWER CONDITIONING
- PANEL TL
- RPS 384 REMOTE POWER CONTROL PANEL, 3Ø, 4 WIRE, 208Y/120VAC
- RPS 384 REMOTE POWER CONTROL PANEL, 3Ø, 4 WIRE, 208Y/120VAC
- MBR-20 BOLT-ON MOTORIZED BREAKER, SQUARE D #ECB14020G3
- MBR-220 BOLT-ON MOTORIZED BREAKER, SQUARE D #ECB240220G3
- UBR-20 BOLT-ON UNMOTORIZED BREAKER, SQUARE D #EDB14020
- SURGE SUPPRESSION FOR USE WITH TL CIRCUIT 82 AND CIRCUIT 83



CCI's help, that's what we were able to achieve.

### Mark Pearson, Project Lead, CCI Solutions

Since it wasn't an option to install an 85-space breaker panel in the main electrical room and run 22 circuits across the room, at an extreme cost, we opted to split the panels up and install a panel to handle all the power for the video suite, the FOH tech booth, and circuits in the broadcast room. That left the other side of the room, which required a sophisticated power-control platform to accommodate the stage audio, video, and lighting systems. We have been fans of LynTec for decades, and the company's RPC panels were part of our original design plans. Instead of installing the five panels we specified in that design, we scaled down to two panels, a 66-space LynTec RPC-365-M400 breaker panel dedicated to the audio/video equipment and an 84-space RPS-384 breaker panel

dedicated to the lighting system.

These panels provide audio sequencing and full control and relay over every circuit in the whole system. The RPC-365-M400 also is equipped with 12 circuits of surge suppression, providing an additional layer of power protection. Installing two larger panels, rather than multiple smaller panels, also helped us to more efficiently utilize the available space in the electrical room where they were installed while providing more than enough circuitry to add additional equipment in the future, such as motorized circuits for an LED wall or other upgrades in the future or simply add another projector screen to support video-based services.

One of the most important benefits to the client is giving them full control of the power distribution system for the church's audio/video and lighting systems. With LynTec, the technical staff can manage, program, and configure the system, as well as monitor the incoming voltage and check the status



of each breaker via the Web GUI or an iOS device. This is especially critical in the worship space. For example, if the technical team experiences issues with a piece of equipment, the GUI gives them access to quickly and easily turn off that circuit.

Now Sandals Church has a reliable and integrated panel control system that gives its team access to each and every circuit via the Web GUI or iOS app. Isaiah Franco, production director for Sandals Church, can pull out his iPhone or iPad and immediately have access to turn circuits on, run program power sequences, and turn the system off. This solution allows the church to protect its investment, ensuring AV and lighting equipment performance and longevity, and decrease operational costs. It's really given them the capabilities they needed to continue to provide inspirational services to their congregation as well as the opportunity to expand in this building in the future. **T**

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