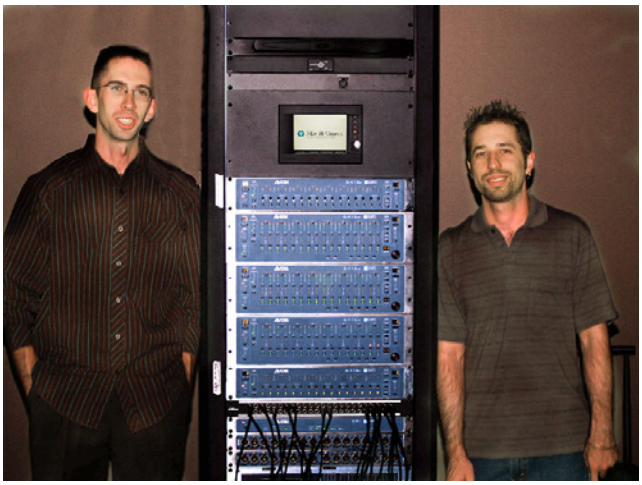
AVIOM®

Case Study

Pro64 Digital Snake and Monitor Mixing at Denver's Mile Hi Church



Andrew Welker, field engineer installer for Ford Audio-Video, and Nathan Marschall, head audio engineer at Mile Hi Church

APPLICATION

Digital Snake and Monitor Mixing System

MARKET SEGMENT

House of Worship

LOCATION

Denver, CO

PRODUCT LINES

Pro16®

Pro64®

PRODUCTS

3 6416m Mic Input Modules
1 RCI Remote Control Interface
1 MCS Mic Control Surface
1 6416i Input Module
1 6416o Output Module
3 6416Y2 A-Net Interface Cards
1 ASI A-Net Systems Interface
1 A-16D Pro A-Net Distributor
9 A-16II Personal Mixers

TESTIMONIAL

"The audio quality, flexibility, and scalability of Aviom's Pro64 system made it the best choice."

Edward Logsdon, P.E.
D. L. Adams Associates, Inc.

FEATURES AND BENEFITS

Flexibility for channel distribution and setup

Scalability for future use

Fidelity

Reliability of the monitor mixing solution

INSTALLATION DETAILS

D. L. Adams Associates, Inc., consultant Ed Logsdon designed a Pro64® system for Mile Hi Church in Denver that allowed him to maximize the flexibility in routing audio channels from the Yamaha® console, while eliminating the need for physical patching of signals. He chose Pro64 for its audio quality, future scalability, plug-and-play simplicity, and compatibility with Aviom's Pro16® monitor mixing solution.

The 48x48 Pro64 digital snake between stage and front of house at Mile Hi includes three 6416m Mic Input Modules on stage that can be controlled remotely from FOH using the RCI Remote Control Interface and MCS Mic Control Surface. Forty-eight channels of mic inputs on stage are connected to three daisy-chained 6416m Mic Input Modules. All 48 channels are transported via A-Net® using a single Cat-5e cable to FOH, where three 6416Y2 A-Net Interface Cards are installed in the Yamaha console for main and monitor returns.

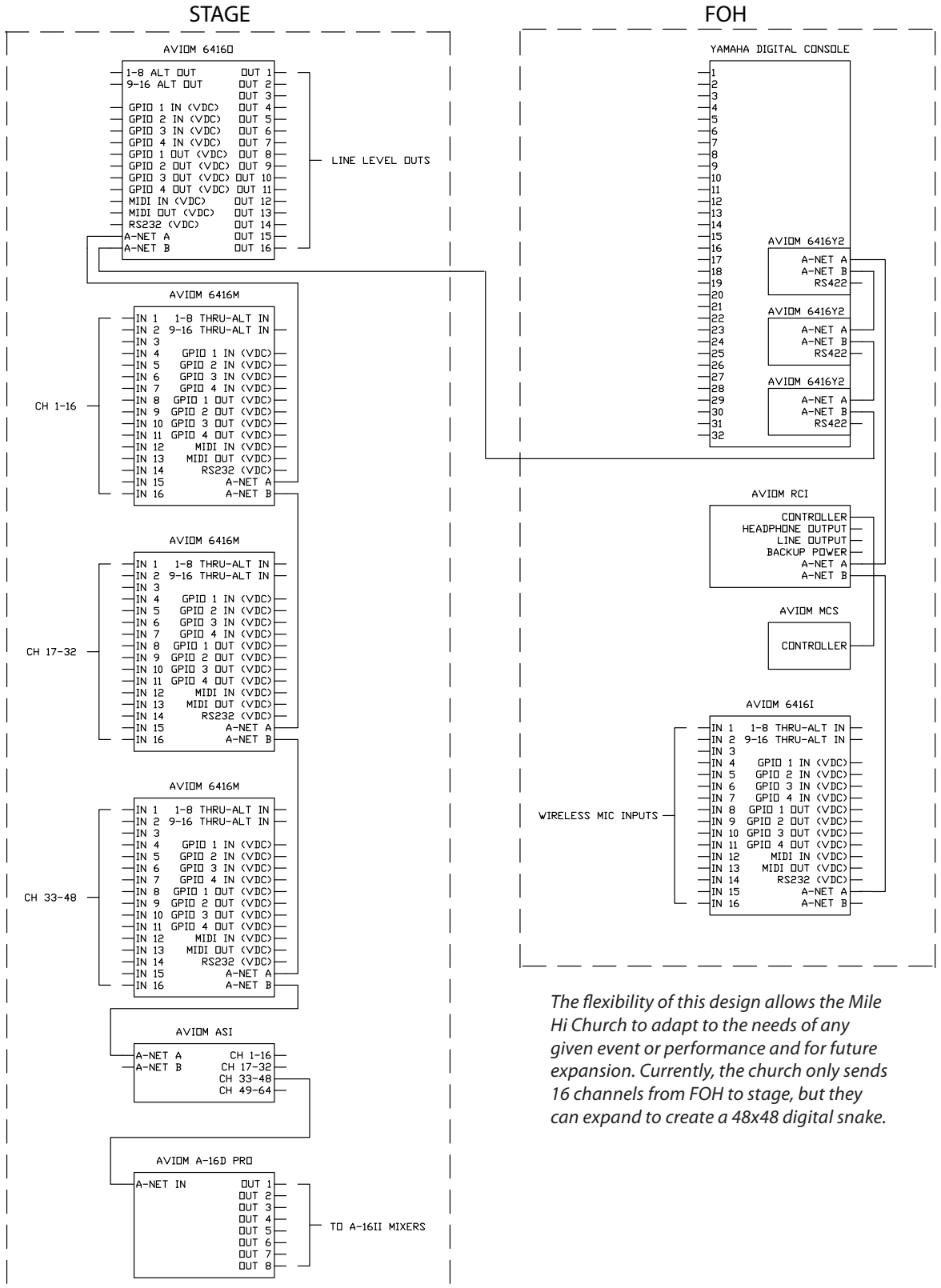
Sixteen channels of Pro64 A-Net are sent to stage on the same Cat-5e cable to an ASI A-Net Systems Interface to provide Pro16 A-Net for the church's existing A-16II Personal Mixers. The church has the ability to expand its FOH-to-stage sends to up to 48 channels from the console for future use. At FOH, an optional 6416i Input Module is available for adding analog channels to the network from a CD player or wireless mics.

The system offers a great deal of opportunity for future expansion. For instance, all 48 channels from the console will be able to go directly into a recording console, when the church adds one, using the 6416Y2 cards. The ASI on the stage supports expansion of the monitor mixing system to include additional zones. The church is already making plans to add more Personal Mixers to its setup.

Dan Purdom, lead installer/engineer for Ford Audio-Video, the systems integrators who handled the installation, says, "As a whole, the Aviom system helps to give the church more options in how the stage is set up and the ability to easily move people around. This is important in a church application where they host a number of events with varied audio requirements."

System diagram on reverse

1157 Phoenixville Pike, Suite 201 • West Chester, PA 19380
Voice: +1 610.738.9005 • Fax: +1 610.738.9950 • www.Aviom.com



The flexibility of this design allows the Mile Hi Church to adapt to the needs of any given event or performance and for future expansion. Currently, the church only sends 16 channels from FOH to stage, but they can expand to create a 48x48 digital snake.

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