

Pro64 Digital Snake for the ARC at the University of the Sciences in Philadelphia



The Athletic Recreation Center at the University of the Sciences

TESTIMONIAL

“My goal in using the Aviom system was simply to provide reliable signal transport.”

Chris Dietze
President of Clear Sound, Inc.

INSTALLATION DETAILS

When the University of the Sciences in Philadelphia turned to Clear Sound, Inc., to retrofit its sound system in the Athletic Recreation Center (ARC), it had two main goals: to improve the quality of the ARC’s sound system and to save money by eliminating the need to rent a sound system for special events held in the facility.

The biggest challenge that Clear Sound faced in designing the system was to work with an existing 3/4” conduit that ran the length of the gymnasium. The University wanted the flexibility to use the Yamaha® LS9 console at the opposite end of the facility from where the control room was located. They also needed to move the console to different locations, depending on the event. Analog cabling was not an option because of its bulk and expense. Chris Dietze from Clear Sound knew that Cat-5 cabling was the answer, and he chose Aviom’s digital solution because he was confident it would “provide reliable signal transport.”

The design was simple. A 6416i Input Module and a 6416o Output Module were installed in the control room on one end

APPLICATION

Digital Snake

MARKET SEGMENT

Education

LOCATION

Philadelphia, PA

PRODUCTS

- 1 6416Y2 A-Net Interface Card
- 1 6416i Input Module
- 1 6416o Output Module

PRODUCT LINES

Pro64®

FEATURES AND BENEFITS

- Reliability of A-Net® to distribute signals
- Cost-effectiveness of using existing conduit
- Money saved by eliminating rental companies
- Time saved in event setup

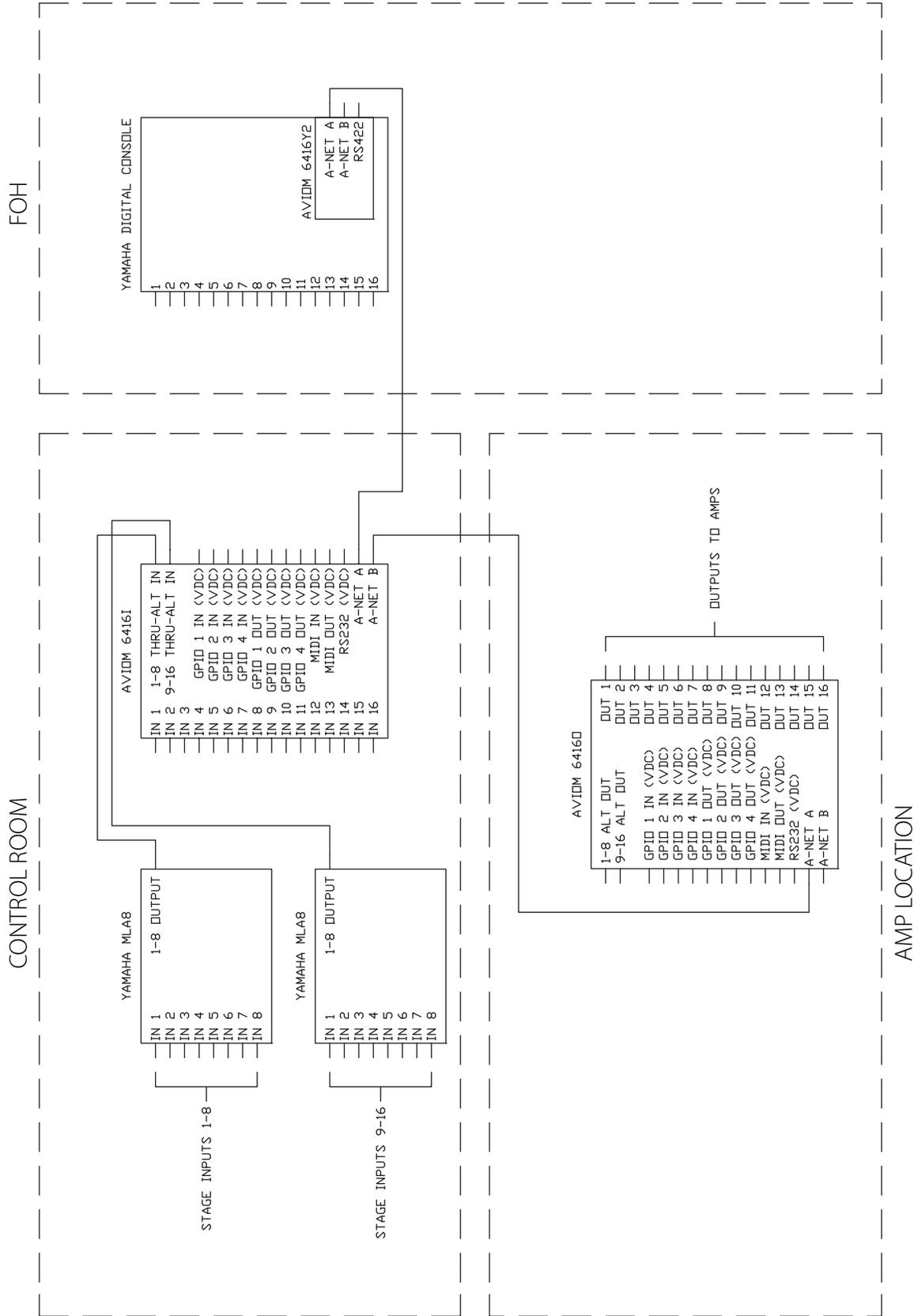
of the ARC. A 6416Y2 A-Net® Interface Card was installed in the Yamaha LS9 console that is usually used at the other end of the facility. The console is mounted in a moveable rack that allows Bill Horton, the University’s audio visual technician to set up the facility in various ways.

In order to reduce total system costs, the integrator specified external Yamaha analog mic pres. The line-level outputs from the Yamaha pres are connected to a 6416i in the control room, which is tied to the LS9 console with the 6416Y2 card installed. The 6416Y2 card also returns 16 channels to a 6416o back in the control room connected to the power amplifiers.

Not only was the installation a simple matter of running two Cat-5 cables, but setup for events at the ARC was made dramatically easier with the installation of the new system. Now instead of three to four hours of setup for the school’s special events, it takes “a mere 10 minutes to roll out the rack and plug it in,” says Horton. “Now it is a one-person job. No rentals and no pre-planning. We just roll it out, choose our coverage layout, and we are all set.”

System diagram on reverse

Case Study



This 16x16 digital snake sends 16 mic channels from one end of the ARC to the LS9 console and 16 returns to the control room for the power amplifiers.