

# ElectronicLifestyles

Exclusive Publication of the Custom Electronic Design & Installation Association

Winter 2011

**GOLD** technical design Large Home Theater, \$200K-\$240K



CUSTOM  
ELECTRONIC  
DESIGN &  
INSTALLATION  
ASSOCIATION



# Maximizing the Possibilities

A small room is awarded big audio/video.

Space was the biggest challenge in this 250-square-foot theater. La Scala's mandate was to make the most out of the real estate they had to work with, accommodating as much seating as possible, while maintaining a clean look and feel.

To pull it off, La Scala "paid careful attention to known installation and calibration techniques," says the company. "We also pushed the limits on screen size to create an enveloping feeling for the viewer." A Stewart Filmscreen CinemaScope curved screen with masking and Runco's DLP projector with anamorphic lens were used to create a dramatic impact.

Of course, the client didn't want to see any equipment when watching a movie. To satisfy this caveat, La Scala located the equipment rack in an adjacent closet. The company installed a James Powerpipe in the same closet and fed into the theater behind an acoustical panel, providing better subwoofer isolation from the rest of the home.

Good communication between the trades was very important. The designer wanted to have walnut wood walls in the theater, which would have caused an unacceptable acoustical condition for La Scala. "We were able to agree on the placement of acoustic panels that would absorb and diffract sound in the room as well as accommodate concealment of surround speakers and the subwoofer," says the company.

An AMX handheld remote as well as a small wireless touch panel provide full control of all aspects of the environment, including HVAC and lighting. ■

Electronic Systems Contractor:  
**LA SCALA**  
 204 West 6th Ave.  
 Vancouver, BC, Canada  
 V5Y1K8  
 (604) 876-8765  
 www.lascalaca  
*CEDIA Member Since 1993*

**Architect:**  
**Adam Wheeler Design**  
 2683 S. Robertson Blvd.  
 Los Angeles, CA 90034  
 (310) 733-4644

**Builder:**  
**Northwest Contracting**  
 Box 182  
 Roberts Creek, BC, Canada  
 V0N 2N0  
 (604) 740-1445

**Interior Designer:**  
**Waddell & Conder**  
 502 - 55 E. Cordova St.  
 Vancouver, BC, Canada  
 V6A 0A5  
 (604) 662-4428



## ■ time and expertise

Client Interviews	12
Electronic Design and Engineering	24
Proposal and System Documentation Preparation	16
Project Management	35
Pre-wire/Rough-in	25
Trim-out	20
Shop Time for Racking and Testing	45
Programming	24
Final Installation and Calibration	66
Client Instruction	6
Interior Design and/or Architecture by your Company	8
Interior Design and/or Architecture by Others	16
Project Management by Others	8
<b>Total Hours to Complete:</b>	<b>305</b>

## ■ equipment Contact the CEDIA ESC for a complete equipment list.

**Runco** RS900 DLP Projector, Rainier CW AS CineWide Lens w/ Autoscope; **Stewart Filmscreen** CC123CST13G3VWMPX Screen; **Kaleidescape** KSERVER-1500 Server, KPLAYER-6000 Movie Player; **Dell** 2724 Switch; **James Loudspeakers** 1000PPT Subwoofer; **Genelec** A1W26 In-wall Speakers (7), Rm1-401 Adapter (2); **Lexicon** MV5 Digital Controller; **Panasonic** DMP-BD30-BB Blu-ray player; **Tripp Lite** AV550SC Power Block; **AMX** MVP5200i Modero 5.2, MVPWCS-52-GB Modero 5.2, NI-3100 Controller, MIO-R4-ZGW Remote Kit; **Pakedge** WAP-W3-01; **Surge-X** PF420 Surge Eliminator



**GOLD technical design** Integrated Home, \$410K-\$503K





# Old Meets New

The impetus behind this homeowner's whole-home integration is an impressive antiques collection.

**Paradoxically, this high-tech project was driven by the homeowner's desire to protect and highlight his unique and priceless collection of antique treasures.** He was resistant to technology and fretful of the complexity that integration might bring to his life, so simplicity was high priority. High aesthetic appeal and environmental control were also at the top of his list.

The client's commitment to aesthetics is evidenced by the intricate handmade fabric on the walls, which made wall clutter unacceptable. "Devices had to be meticulously installed into the 'one off' fabric," says electronic systems contractor La Scala. Even security peripherals had to be hidden, which necessitated additional planning and work to ensure high levels of security with minimal visual intrusion.

Controlling the environment—including humidity, temperature and snow-melt—was also crucial to the homeowner. Five highly unique fireplaces from England required complex integration of fans, chimney dampers, and igniters, and automation was required to ensure the damper is open and it's safe to turn on the gas. La Scala also gave the client the ability to control the flame height, which is variable for each unit.

Because the client entertains, he wanted to be able to carry trays of food from the kitchen to the dining room hands-free, yet did not want the kitchen open to guests. La Scala installed a sensor system that automatically opens the pocket door, yet is not fussy or sensitive to normal foot traffic.

La Scala's creative thinking was also evident in the automation of the client's old church bell, which is automated to chime periodically. Time is kept precise with an Internet link to a reference atomic clock. Likewise, bath control is fully automated to fill, power-up spa controls and maintain water level. To prevent flooding in case of power or system failure during fill-up, automation is very precise.

"Perhaps the most rewarding element was the client's comment that they have never found any system easier to operate which, as he says, is amazing considering his aversion to technology," says La Scala. ■

## ■ equipment Contact the CEDIA ESC for a complete equipment list.

**ADA** A-16, AVP-16, P-16, PTM-1645 Amp, V-16; **AMX** CB-TP7, MIO-R4-ZGW Remote Kit (3), NI-3100 Controller, NI-700 Controller (4), NXD-700Vi Wall Mount, PSN6.5 Power Supply; **B&W** CCM65 Speaker (4), CCM80 Speaker (4); **CEAD** Segretto Quattro Speaker (2); **Chief** PAC-501B, PNRIWUB Arm Bracket; **Denon** AVR-2809CI Receiver; **Elan** DTNR Tuner; Extron MAV 88 Plus HD Switcher; **James Loudspeaker** 1000PPT Sub, PL-39LCR STD Speaker Bar; **Lutron** H8P5-MH48 Processor, HWI-KP5-DN Keypads, HWI-MI-120 Module Interface (6), HWI-PNL-8 Panel, HWI-RPM-4A-120 Dimmer Modules; **Middle Atlantic** MRK-4426AXS Rack; **Motorola** DCT3416HDPVR DVR (2); **Niles Audio** AC-3 Power Strip; **OmniMount** ULPTL Mount (2)

Electronic Systems Contractor:

### **LA SCALA**

204 West 6th Ave.  
Vancouver, BC, Canada V5Y 1K8  
(604) 876-8765  
www.lascalaca  
*CEDIA Member Since 1993*

Architect:

### **Ramsay Worden Architects**

355 Kingsway  
Vancouver, BC, Canada V5T 3J7  
(604) 736-8959

Builder:

### **Kindred Construction**

2150 West Broadway, Ste. 308  
Vancouver, BC, Canada V6K 4L9  
(604) 736-4847

Interior Designer:

### **Richard Salter Interiors Ltd.**

1039 W. 7th Ave.  
Vancouver, BC, Canada V6H 1B2  
(604) 730-9220

## ■ time and expertise

Client Interviews	<b>16</b>
Electronic Design and Engineering	<b>290</b>
Proposal and System	
Documentation Preparation	<b>38.5</b>
Project Management	<b>104.5</b>
Pre-wire/Rough-in	<b>906</b>
Trim-out	<b>109</b>
Shop Time for Racking and Testing	<b>192</b>
Programming	<b>193.5</b>
Final Installation and Calibration	<b>712</b>
Client Instruction	<b>16</b>
Interior Design and/or Architecture by Others	<b>64</b>

**Total Hours to Complete: 2,641.5**

