

Electronic Lifestyles®

Exclusive Publication of the 2009 CEDIA Electronic Lifestyles® Designer Awards

Winter 2010



CUSTOM
ELECTRONIC
DESIGN &
INSTALLATION
ASSOCIATION



17th

Annual Electronic Lifestyles® Designer Awards

Effecting Change: Registered Outreach Instructors promote power partnerships

Learning from the Pros:
Architects, Interior Designers, Builders
& Building Designers Speak Out



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Electronic Systems Contractor:
**ELECTRONICS DESIGN
GROUP, INC.**
60 Ethel Road W., Ste. 5
Piscataway, NJ 08854-5929
732-650-9800
www.edgonline.com
CEDIA member since 1990

CEDIA Electronic Lifestyles Designer® Awards

GOLD
technical design Large Home Theater, \$211K-\$290K



■ time and expertise

Client Interviews	2 hrs
Electronic Design and Engineering	24 hrs
Proposal and System Documentation Preparation	12 hrs
Project Management	24 hrs
Pre-wire/Rough-in	32 hrs
Trim-out	8 hrs
Shop Time for Racking and Testing	16 hrs
Programming	16 hrs
Final Installation and Calibration	60 hrs
Client Instruction	1 hrs
Interior Design and/or Architecture by your Company	6 hrs
Interior Design and/or Architecture by Others	24 hrs
Project Management by Others	16 hrs

Total Hours to Complete: **241**





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Builder:
L.M. Reid Group, LLC
51 Hurlbutt St.
Wilton, CT 06897
203-702-0511

Interior Designer:
Brian Webb Painting & Design
1 Bank St.
New York, NY 10014
212-333-7242

Specialty Consultant:
RPG Acoustics
651-C Commerce Dr.
Upper Marlboro, MD 20774
301-294-0044

Stunning Visuals

An acoustic marvel combines performance with aesthetics.

Electronics Design Group was initially hired by the owner of this large estate home to install its multi-room A/V and sub-system integration. As the project progressed, the company was asked to build a theater in the home's lower-level recreation area. He insisted on high performance, but expressed a willingness to step outside the realm of traditional theater design to create something special.

Electronics Design Group then connected the homeowners' designated designer, also an experienced theater set designer, with the acousticians at RPG so he could learn the basics of theater design and be exposed to a palette of materials from which to work. After some discussion, it was decided that a mix of wood on the ceiling and fabric on the walls (with acoustic treatments hidden behind) would be ideal from a performance standpoint.

"The resulting theater is a near-perfect meld of acoustic treatment, working in the service of stunning visual design," says Electronics Design Group. "Far from being purely aesthetic, the engaging wave ceiling provides no less than four acoustic functions that balance the sound and help eliminate direct reflections that can muddy clarity."

The four-inch-wide planks that make up the ceiling provide high-frequency diffusion, thanks to the depth and shape of the grooves separating them. The precise shape of the wave itself is designed to provide mid-frequency diffusion. The planks are microperforated, which helps absorb bass pumped into the room by passing it into the cavity above the planks.

The dramatic scoop below the screen, built from the same microperforated planks and stuffed with fiberglass, serves as a giant bass trap to absorb low-frequency energy moving around the room and proved to be the perfect place to hide the system's two subwoofers, as well. The theater's open back maintains the room's open floor plan and provides site lines from the rest of the large space for viewing sports.

"The successful symmetry of acoustic, electronic and architectural design in this theater is a rarity," says Electronics Design Group. "Putting together the right experts with a willing and engaged client resulted in an amazing theater that rocks both sonically and visually." ■

■ equipment [Contact the CEDIA ESC for a complete equipment list.](#)

Crestron CP2E Control Processor, CNRFGWA 418 RF Receiver, TPS-3000 Touch Panel, CNXRMC Room Interface; **LG** BH200 Blu-ray/HD DVD Player; **Kaleidescape** Kplayer-5000; **Sony** PlayStation 3; **Key Digital** KD-CSW4X1 4x1 Audio/Video Switch; **Gefen** EXT-HDMI-441 1x4 HDMI Switch; **Audio Authority** 977RPO Toslink/Coax Audio Converter; **Intelix** AVO-V3ADF A/V Balun; **Lexicon** MC-8 Digital Surround Processor; **Genelec** RAM1 AIW26 Amplifier (4), AIW26 Speaker (4), HT210B Speaker (3), HTS4B Subwoofer (2); **Runco** VX2-IX Projector; **Stewart Filmscreen** B.R.I.C. Screen Masking Controller, 132-inch Projection Screen; **Middle Atlantic** PD915R Equipment Rack; **Richard Gray** 600 PRO Power Conditioner; **Cinema Tech** Vantage Theater Seat (12); **RPG** FlutterFree/Abffusor/BAD Acoustic Treatment Kit



BRONZE technical design Special Project

High-Tech Home Discotheque

At the press of a button, an aquarium space turns into a bona fide dance party.

This homeowner, who was building his dream home on the East Coast shore in the classic style of a stucco Italian villa, was intent on making the home the ultimate retreat for entertaining family and friends. Along with many terraced areas outside for relaxing and enjoying the beautiful water views, the house includes a wine cellar, and, thanks to Electronics Design Group, a dedicated home theater and an entertaining area including a semi-circular bar with two small televisions, a 60-inch plasma, and multi-room audio/video distribution.

The most notable feature in this space is an exhibition-size salt-water aquarium. Stocked with fish indigenous to the area, the tank holds 15,000 gallons, is 7-1/2 feet tall and has three facings running 35 feet total along one wall. The homeowner eventually decided that the space alongside the aquarium should include a small professional-grade discotheque system, but with a twist.

The finished disco system has most of the elements found in professional clubs, yet extends only 2 feet 2 inches into the ceiling and projects sound and light effects through an approximately 8 x 4-foot oval cutout. Selecting the Disco button on the nearby Crestron touchpanel reveals a menu of 12 pre-programmed light shows.

The audio system, featuring JBL Pro disco speakers driven by a Crown amplifier and a Genelec subwoofer, can be fed with playlists from the multi-room audio server or via a jack-pack on a side wall that accommodates a portable DJ station the homeowner sets up for parties.

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

American DJ Accuscan 250 Intelligent Scanner; **H2O** 250 Water Light Reflection; **Sunray II** Large Beam Mirror Ball Effect; **Mister Kool** Low Lying Fogger; **Emerald Beam** Green Flat Line Laser Effect Beam; **Color Shot** LED Color Wash/Strobe (2), B601 Emergency Light Effect; **JBL** MRX512 PA Speakers (2); **Genelec** HTS3B 10-in Active Subwoofer; **dbx** Drivetrack Active PA Crossover; **Crown** XTI 4000 Power Amplifier

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Architect:
Robert W. Adler & Associates
 1049 Broadway
 West Long Branch, NJ 07764
 732-571-1010

Builder:
Navesink Estate Homes, LLC
 809 State Rd. 36
 Union Beach, NJ 07735
 908-303-0637

■ time and expertise

Client Interviews	1 hr
Electronic Design and Engineering	5 hrs
Proposal and System Documentation	
Preparation	5 hrs
Project Management	2 hrs
Pre-wire/Rough-in	12 hrs
Trim-out	16 hrs
Shop Time for Racking and Testing	5 hrs
Programming	4 hrs
Final Installation and Calibration	24 hrs
Client Instruction	1 hr
Interior Design and/or Architecture by your Company	0 hrs
Interior Design and/or Architecture by Others	2 hrs
Project Management by Others	0 hrs
Other time	2 hrs
Describe Task: Truss framing and motorized panel Installation by builder	

Total Hours to Complete: 79