# System Design For: Sample Home Automation Proposal

## Control & Automation

### Great Room

| | | |
|---|---|---|
| 1 | **Aprilaire 8820** | $281.25 |
| | Wifi thermostat standalone or integrated into automation system. 2H/2C w/ Humidity auto changeover with integrated IAQ. | |

| | |
|---|---|
| Equipment: | $281.25 |
| Labor: | $0.00 |
| Great Room Total: | $281.25 |

### Equipment Room

| | | |
|---|---|---|
| 1 | **Elan gSC10** | $1,833.75 |
| | System controller with 10 RS232 outputs, 10 Relay outputs, 4 sense inputs. Support for large systems. | |
| 1 | **Elan SC1** | $116.25 |
| | Serial to ViaNet adapter. | |
| 1 | **Elan VTSENSOR** | $37.50 |
| | Detects AC or DC voltage from 9-24 Volts. A two-terminal barrier strip is used to connect voltage + and conductors. Perfect for use with the SC Series or multi-room controller. | |
| 1 | **myEasytek Programming** | $600.00 |
| | Includes setup and programming for network related components. | |
| 2 | **Niles MF1VF** | $30.00 |
| | IR Emitter with 3.5 mm mono mini plug and LED diode with red feedback (flasher). | |

| | |
|---|---|
| Equipment: | $2,017.50 |
| Labor: | $600.00 |
| Equipment Room Total: | $2,617.50 |

### Laundry

| | | |
|---|---|---|
| 1 | **Vera VERAEDGE** | $74.96 |
| | VeraEdge gateway adapts ethernet to Z-Wave. Standalone programming or integrated into automation system. | |

| | |
|---|---|
| Equipment: | $74.96 |
| Labor: | $0.00 |
| Laundry Total: | $74.96 |

### Mudroom

| | | |
|---|---|---|
| 1 | **Viking DOORBELL** | $0.00 |
| | [OFE] - Viking single pole doorbell contact. | |

| | |
|---|---|
| Equipment: | $0.00 |
| Labor: | $0.00 |
| Mudroom Total: | $0.00 |

### Entry Porch

| | | |
|---|---|---|
| 1 | **Viking DB-40** | $0.00 |
| | [NB] - [OFE] - Viking single pole doorbell contact. | |

| | Equipment: | $0.00 |
|---|---|---|
| | Labor: | $0.00 |
| | Entry Porch Total: | $0.00 |

### Master Bed

| | | |
|---|---|---|
| 1 | **Aprilaire 8820** | $281.25 |
| | Wifi thermostat standalone or integrated into automation system. 2H/2C w/ Humidity auto changeover with integrated IAQ. | |

| | Equipment: | $281.25 |
|---|---|---|
| | Labor: | $0.00 |
| | Master Bed Total: | $281.25 |

### Garage

| | | |
|---|---|---|
| 3 | **GoControl LN-GD00Z4** | $312.75 |

| | Equipment: | $312.75 |
|---|---|---|
| | Labor: | $0.00 |
| | Garage Total: | $312.75 |

### Kitchen

| | | |
|---|---|---|
| 1 | **Aprilaire 8820** | $281.25 |
| | Wifi thermostat standalone or integrated into automation system. 2H/2C w/ Humidity auto changeover with integrated IAQ. | |

| | Equipment: | $281.25 |
|---|---|---|
| | Labor: | $0.00 |
| | Kitchen Total: | $281.25 |

| | **Equipment:** | **$3,248.96** |
|---|---|---|
| | **Labor:** | **$600.00** |
| | **Control & Automation Total:** | **$3,848.96** |

## Distributed Audio

### Master Bath

| | | |
|---|---|---|
| 2 | **SpeakerCraft AIM7 TWO Series 2** | $600.00 |
| | AIM Series 2 breaks new ground by adapting technology that was once only utilized in large sound reinforcement experiences. By incorporating multiple tweeters in a line array, AIM Series 2 delivers focused high frequencies farther into the listening area than standard tweeter configurations so that listeners may enjoy a larger sweet spot. Complementing the ARC Tweeter Array is our updated WavePlane technology that acts as an acoustic lens, focusing the high frequency audio energy into the listening environment for a cleaner, wider, and richer sound. But its the enhanced aim-ability of the AIM Series 2 that presents all new options for sound design from home theater to whole home audio. Simply put, every element of the AIM Series 2 has been recrafted for heightened aesthetics and heightened sound. | |

| | Equipment: | $600.00 |
|---|---|---|
| | Labor: | $0.00 |
| | Master Bath Total: | $600.00 |

### Equipment Room

| | | |
|---|---|---:|
| 1 | **Autonomic AU-MMS-3E** | $1,496.25 |

The eSeries Music Streamer is a solid-state, multi-source music streamer, complete with the features and functionality expected from the Autonomic family of products. Seamlessly integrate the streamer into any popular automation system, and deliver playback of pure, 24-bit/192kHz high-resolution audio, in addition to the most popular online music streaming services. Pair with an Autonomic digital amplifier, and the streamer supports multiple discrete streams of audio over Ethernet using eAudioCast technology.

| | | |
|---|---|---:|
| 1 | **Elan S1616A** | $2,737.50 |

A 16-channel multi-zone amplifier/controller combining the functionality of the ELAN D16 amplifier and S128P multi-zone controller into a stackable component. Create an audio matrix up to 16x16 with loop outputs for expansion. Controlled via ViaNet using RS232 SC1 to vianet adapter.

| | | |
|---|---|---:|
| 1 | **Niles DBI-2** | $330.00 |

Two contact closure inputs activating chime generator. 12V output for integration into automation system. Recordable or pre-recorded chimes available.

| | |
|---|---:|
| Equipment: | $4,563.75 |
| Labor: | $0.00 |
| Equipment Room Total: | $4,563.75 |

### Living Room

| | | |
|---|---|---:|
| 2 | **Niles CM7PR** | $300.00 |

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter  130W RMS Maximum, White Frameless Grille

| | |
|---|---:|
| Equipment: | $300.00 |
| Labor: | $0.00 |
| Living Room Total: | $300.00 |

### Dining Room

| | | |
|---|---|---:|
| 2 | **Niles CM7PR** | $300.00 |

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter  130W RMS Maximum, White Frameless Grille

| | |
|---|---:|
| Equipment: | $300.00 |
| Labor: | $0.00 |
| Dining Room Total: | $300.00 |

### Master Bed

| | | |
|---|---|---:|
| 2 | **SpeakerCraft AIM7 TWO Series 2** | $600.00 |

AIM Series 2 breaks new ground by adapting technology that was once only utilized in large sound reinforcement experiences. By incorporating multiple tweeters in a line array, AIM Series 2 delivers focused high frequencies farther into the listening area than standard tweeter configurations so that listeners may enjoy a larger sweet spot. Complementing the ARC Tweeter Array is our updated WavePlane technology that acts as an acoustic lens, focusing the high frequency audio energy into the listening environment for a cleaner, wider, and richer sound. But its the enhanced aim-ability of the AIM Series 2 that presents all new options for sound design from home theater to whole home audio. Simply put, every element of the AIM Series 2 has been recrafted for heightened aesthetics and heightened sound.

| | |
|---|---:|
| Equipment: | $600.00 |
| Labor: | $0.00 |
| Master Bed Total: | $600.00 |

### Garage

| | | |
|---|---|---:|
| 4 | **Niles CM7PR** | $600.00 |

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter  130W RMS Maximum, White Frameless Grille

| | | |
|---|---|---|
| | Equipment: | $600.00 |
| | Labor: | $0.00 |
| | Garage Total: | $600.00 |

**Covered Porch**

| 2 | **Niles CM7PR** | $300.00 |
|---|---|---|

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter 130W RMS Maximum, White Frameless Grille

| | Equipment: | $300.00 |
|---|---|---|
| | Labor: | $0.00 |
| | Covered Porch Total: | $300.00 |

**Kitchen**

| 2 | **Niles CM7PR** | $300.00 |
|---|---|---|

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter 130W RMS Maximum, White Frameless Grille

| 2 | **SpeakerCraft AIM7 TWO Series 2** | $600.00 |
|---|---|---|

AIM Series 2 breaks new ground by adapting technology that was once only utilized in large sound reinforcement experiences. By incorporating multiple tweeters in a line array, AIM Series 2 delivers focused high frequencies farther into the listening area than standard tweeter configurations so that listeners may enjoy a larger sweet spot. Complementing the ARC Tweeter Array is our updated WavePlane technology that acts as an acoustic lens, focusing the high frequency audio energy into the listening environment for a cleaner, wider, and richer sound. But its the enhanced aim-ability of the AIM Series 2 that presents all new options for sound design from home theater to whole home audio. Simply put, every element of the AIM Series 2 has been recrafted for heightened aesthetics and heightened sound.

| | Equipment: | $900.00 |
|---|---|---|
| | Labor: | $0.00 |
| | Kitchen Total: | $900.00 |

**Library**

| 2 | **Niles CM7PR** | $300.00 |
|---|---|---|

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter 130W RMS Maximum, White Frameless Grille

| | Equipment: | $300.00 |
|---|---|---|
| | Labor: | $0.00 |
| | Library Total: | $300.00 |
| | **Equipment:** | **$8,463.75** |
| | **Labor:** | **$0.00** |
| | **Distributed Audio Total:** | **$8,463.75** |

## Distributed Video

**Great Room**

| 1 | **Atlona AT-UHD-EX-70C-RX** | $187.49 |
|---|---|---|

4K/UHD HDMI Over 70M HDBaseT Receiver with Control and PoE

| | | |
|---|---|---|
| 1 | **SnapAV SM-RBX-PRO-8-BLK** | $82.49 |

This little brother to our original Strong VersaBox Pro is the perfect companion to all our Strong mounts and its smaller size makes it more versatile than ever. Constructed from durable sheet metal, this state-of-the-art box elegantly fits your equipment behind the TV. This box's metal construction and UL listing ensure that it meets building codes across the US. Plus, it features a handy knock out for dropping in a Compact WattBox, and you can use it with any mount.

| | |
|---|---|
| Equipment: | $269.98 |
| Labor: | $0.00 |
| Great Room Total: | $269.98 |

### Equipment Room

| | | |
|---|---|---|
| 2 | **Apple Apple TV 4K** | $0.00 |

[OFE] - 4K Media Streaming Device

| | | |
|---|---|---|
| 1 | **Atlona AT-UHD-PRO3-88M** | $5,249.25 |

The Atlona AT-UHD-PRO3-88M is a dual-distance 8x8 HDMI to HDBaseT matrix switcher for 4K/UHD @ 60Hz video signals with Power over Ethernet for receivers and analog audio breakout. The matrix provides flexible HDBaseT routing with both extended distance, 328 foot (100 meter) and long distance, 230 foot (70 meter) transmission over category cable with bidirectional extension of both RS- 232 and IR Control. Two HDMI outputs are provided as mirrored outputs designed for routing HDMI-based audio to an AVR or as additional matrix outputs. The matrix switcher is HDCP 2.2 compliant and supports EDID communication. The matrix is control system-friendly and integrates with any TCP/IP, RS-232, or IR based control signals. Use with optional AT-IR-CS-TX IR emitter cable for AV system control.  Designed for multi-zone residential or commercial distribution applications, the AT-UHD-PRO3-88M features a 2U, rack-mountable enclosure with internal, international power supply.

| | | |
|---|---|---|
| 2 | **Motorola Cable Box** | $0.00 |

[OFE] - High definition all digital dual tuner DVR set-top box

| | |
|---|---|
| Equipment: | $5,249.25 |
| Labor: | $0.00 |
| Equipment Room Total: | $5,249.25 |

### Laundry

| | | |
|---|---|---|
| 1 | **Atlona AT-UHD-EX-70C-RX** | $187.49 |

4K/UHD HDMI Over 70M HDBaseT Receiver with  Control and PoE

| | |
|---|---|
| Equipment: | $187.49 |
| Labor: | $0.00 |
| Laundry Total: | $187.49 |

### Living Room

| | | |
|---|---|---|
| 1 | **Atlona AT-UHD-EX-70C-RX** | $187.49 |

4K/UHD HDMI Over 70M HDBaseT Receiver with  Control and PoE

| | |
|---|---|
| Equipment: | $187.49 |
| Labor: | $0.00 |
| Living Room Total: | $187.49 |

### Master Bed

| | | |
|---|---|---|
| 1 | **Atlona AT-UHD-EX-70C-RX** | $187.49 |

4K/UHD HDMI Over 70M HDBaseT Receiver with  Control and PoE

| | | |
|---|---|---|
| 1 | **SnapAV SM-RBX-PRO-14** | $89.99 |

This little brother to our original Strong VersaBox Pro is the perfect companion to all our Strong mounts and its smaller size makes it more versatile than ever. Constructed from durable sheet metal, this state-of-the-art box elegantly fits your equipment behind the TV. This box's metal construction and UL listing ensure that it meets building codes across the US. Plus, it features a handy knock out for dropping in a Compact WattBox, and you can use it with any mount.

| | | |
|---|---|---|
| 1 | **Xantech XT-EX-TOS-3** | $17.99 |

| | |
|---|---|
| Equipment: | $295.47 |
| Labor: | $0.00 |
| Master Bed Total: | $295.47 |

### Kitchen

| | | |
|---|---|---|
| 1 | **Atlona AT-UHD-EX-70C-RX** | $187.49 |
| | 4K/UHD HDMI Over 70M HDBaseT Receiver with Control and PoE | |
| 1 | **SnapAV SM-RBX-PRO-8-BLK** | $82.49 |
| | This little brother to our original Strong VersaBox Pro is the perfect companion to all our Strong mounts and its smaller size makes it more versatile than ever. Constructed from durable sheet metal, this state-of-the-art box elegantly fits your equipment behind the TV. This box's metal construction and UL listing ensure that it meets building codes across the US. Plus, it features a handy knock out for dropping in a Compact WattBox, and you can use it with any mount. | |

| | |
|---|---|
| Equipment: | $269.98 |
| Labor: | $0.00 |
| Kitchen Total: | $269.98 |

### Library

| | | |
|---|---|---|
| 1 | **SnapAV SM-RBX-PRO-8-BLK** | $82.49 |
| | This little brother to our original Strong VersaBox Pro is the perfect companion to all our Strong mounts and its smaller size makes it more versatile than ever. Constructed from durable sheet metal, this state-of-the-art box elegantly fits your equipment behind the TV. This box's metal construction and UL listing ensure that it meets building codes across the US. Plus, it features a handy knock out for dropping in a Compact WattBox, and you can use it with any mount. | |

| | |
|---|---|
| Equipment: | $82.49 |
| Labor: | $0.00 |
| Library Total: | $82.49 |
| **Equipment:** | **$6,542.15** |
| **Labor:** | **$0.00** |
| **Distributed Video Total:** | **$6,542.15** |

## Lighting

### Outdoor Lighting Control

| | | |
|---|---|---|
| 5 | **GoControl S15Z5-1** | $224.80 |
| | GoControl Z-Wave Plus White In-Wall Switch, 15A Maximum Load | |
| 1 | **GoControl WT00Z5-1** | $44.96 |
| | GoControl Z-Wave Plus In-Wall Virtual 3-Way Switch | |

| | |
|---|---|
| Equipment: | $269.76 |
| Labor: | $0.00 |
| Outdoor Lighting Control Total: | $269.76 |

# System Design For: Sample Home Automation Proposal

| | |
|---|---|
| **Equipment:** | **$269.76** |
| **Labor:** | **$0.00** |
| **Lighting Total:** | **$269.76** |

## Network & Internet

### Great Room

| | | |
|---|---|---|
| 1 | **Aruba IAP-305** | $521.25 |

3x3 Antenna MU-MIMO, 5Ghz band capable of 1300 Mb/s data rate. Seamless client migration, managed client handoff in multi-access point systems.

| | |
|---|---|
| Equipment: | $521.25 |
| Labor: | $0.00 |
| Great Room Total: | $521.25 |

### Equipment Room

| | | |
|---|---|---|
| 1 | **Luxul ABR-5000** | $449.25 |

Gigabit WAN capability, Cavium Dual Core MiPS64 processors, 2GB DDR3 Memory, integrated VPN, failover WAN capable, QOS enforcement, VLAN Tagging, Fanless, 1U Rackmount, 3 year warranty.

| | | |
|---|---|---|
| 1 | **Luxul AGS-1024** | $262.46 |

The Luxul AV-Series 24-Port Gigabit Switch (AGS-1024) features rear panel ports and front facing LEDs (user selectable blue/green colors) for clean integration with AV rack systems. With a 48Gbps backplane, this 24-port switch lets you network up to twenty-four Ethernet-enabled devices at full-duplex, non-blocking Gigabit speeds.

| | | |
|---|---|---|
| 1 | **Luxul AMS-2624P** | $824.96 |

The Luxul AV-Series 26-port/24 PoE+ Gigabit Managed Switch (AMS-2616P) features rear panel ports and front facing LEDs (user selectable blue/green colors) for clean integration with AV rack systems. It is an excellent choice for expanding your network when using PoE-enabled devices such as VoIP, IP cameras and Wireless Access Points. The 26-port Gigabit switch includes 24 PoE+ ports, allowing you to use standard Ethernet cable to deliver both power and high speed data to 802.3af/at-compliant devices. It also features advanced management, VLAN and security capabilities to ensure optimal benefit from your home or office network.

| | | |
|---|---|---|
| 1 | **Motorola SB6121** | $0.00 |

[OFE]

| | |
|---|---|
| Equipment: | $1,536.67 |
| Labor: | $0.00 |
| Equipment Room Total: | $1,536.67 |

### Master Bed

| | | |
|---|---|---|
| 1 | **Aruba IAP-305** | $521.25 |

3x3 Antenna MU-MIMO, 5Ghz band capable of 1300 Mb/s data rate. Seamless client migration, managed client handoff in multi-access point systems.

| | |
|---|---|
| Equipment: | $521.25 |
| Labor: | $0.00 |
| Master Bed Total: | $521.25 |

### Library

| | | |
|---|---|---|
| 1 | **Aruba IAP-305** | $521.25 |

3x3 Antenna MU-MIMO, 5Ghz band capable of 1300 Mb/s data rate. Seamless client migration, managed client handoff in multi-access point systems.

| | |
|---|---|
| Equipment: | $521.25 |

|  |  |
|---|---|
| Labor: | $0.00 |
| Library Total: | $521.25 |
| **Equipment:** | **$3,100.42** |
| **Labor:** | **$0.00** |
| **Network & Internet Total:** | **$3,100.42** |

## Power Management

### Equipment Room

| | | |
|---|---|---|
| 1 | **BlueBOLT M4000-PRO** | $299.96 |
| | Power conditioner, 8 outlet, 15A | |
| 1 | **Furman Sound D10-PFP** | $52.46 |
| | The D10-PFP is a sturdy, rack-mountable power distributor. Featuring 10 rear panel outlets with circuit breaker, it offers a convenient way to power a rack full of equipment up to a 15 amp load. | |

|  |  |
|---|---|
| Equipment: | $352.42 |
| Labor: | $0.00 |
| Equipment Room Total: | $352.42 |
| **Equipment:** | **$352.42** |
| **Labor:** | **$0.00** |
| **Power Management Total:** | **$352.42** |

## Structured Wiring

### Equipment Room

| | | |
|---|---|---|
| 3 | **Middle Atlantic EB1** | $27.00 |
| | 1 Space (1 3/4) flanged econo-blank, black powder coat finish | |
| 5 | **Middle Atlantic EB2** | $60.00 |
| | Economical steel panels finished in a durable flat black powder coat finish | |
| 9 | **Middle Atlantic EB2** | $0.00 |
| | [OFE] - Economical steel panels finished in a durable flat black powder coat finish | |
| 1 | **Middle Atlantic RCS-4224** | $1,192.50 |
| | The Essex RCS Series Residential Configured Rack System offers exceptional quality and value at cost-effective prices for residential installers. It is completely assembled at the factory and ships with pre-installed accessories to save contractors time in the field while eliminating packaging waste. | |
| 3 | **Middle Atlantic U2** | $171.00 |
| | For use in any rack system, the U2 Double Space Universal Rack Shelf is constructed of steel for durability and has a tough black, powder coat finish that won't rust or scratch. Rack any component up to 50 lbs (even non-rackable) with this universal rack shelf by Middle-Atlantic. | |

|  |  |
|---|---|
| Equipment: | $1,450.50 |
| Labor: | $0.00 |
| Equipment Room Total: | $1,450.50 |

|  |  |
|---|---|
| Equipment: | **$1,450.50** |
| Labor: | **$0.00** |
| Structured Wiring Total: | **$1,450.50** |

## Surround Sound Systems

### Great Room

| | | |
|---|---|---|
| 1 | **Definitive Technology MYTHOS SEVEN** | $299.25 |

Each Mythos Seven contains a DAppolito array consisting of two high-definition 3-1/2 inch drivers housed in a air-tight enclosure. The drivers feature die cast Aluminum baskets, mono-polymer cones and Finite Element Analysis optimized magnet structures for clear low distortion life-like sound. The drivers are pressure-coupled to two 3-1/2 inch planar Low-Bass Radiators for exceptional bass extension not normally found in slim on-wall loudspeakers of this size. The bass roll-off of the Mythos Seven is smooth and controlled, allowing it to seamlessly blend with a powered subwoofer, such as Definitives SuperCubes, for audiophile-grade home theater power and precision. A 1 inch Pure Aluminum dome tweeter produces extended highs that reveal nuance and shimmer without a trace of edginess.

| | | |
|---|---|---|
| 1 | **Gefen GTV-DD-2-AA** | $99.75 |

Takes audio encoded in Dolby Digital (at up to 5.1 channels) from your multichannel S/PDIF or TOSLINK digital audio source and converts it to L/R analog audio -- without the need for any other external equipment!

| | | |
|---|---|---|
| 2 | **SpeakerCraft PROFILE AIM CINEMA THREE** | $1,078.50 |

Impressive sonic performance is only valuable if the loudspeaker is attractive enough to live in the space where music will be enjoyed. Having created and manufactured the first in-wall speakers for residential applications, we understand how important the speakers appearance is to the homeowner. Once again, the Profile series delivers. Almost invisible subtlety. A flawless look.
Through precise engineering and with the use of Neodymium magnets, the Profile series is little more than a shadow on the wall or ceiling. Although there is still a flange to cover the rough edge of the drywall after the hole has been cut, the final appearance is all grille with only the slightest edge to create a smooth, finished result.

| | | |
|---|---|---|
| 2 | **SpeakerCraft PROFILE AIM LCR5 THREE** | $643.50 |
| 1 | **Sunfire HRS-12** | $975.00 |

You could certainly be forgiven for wanting an HRS subwoofer on its looks alone. With their compact, stunning, piano -like finished cabinets, the HRS Series subs make a design statement about themselves  and you. Whats more, beneath this beautiful exterior lies some of todays most advanced audio science. Like Sunfires High Back-emf driver technology that produces massive amounts of low distortion bass from some of the smallest drivers around. In fact, the HRS-12 delivers output equal to the performance of most available 15 subwoofers and does so with an unmatched visual finesse. The HRS-12 is ideal for larger rooms and dedicated home theater environments where the emphasis is on movies.

| | | |
|---|---|---|
| 1 | **Xantech XT-EX-HDMI-1.5** | $32.24 |

1.5M HDMI Cable, 4K/HDR Ready, 18 GB/s.

| | | |
|---|---|---|
| 1 | **Xantech XT-EX-TOS-3** | $17.99 |

|  |  |
|---|---|
| Equipment: | $3,146.23 |
| Labor: | $0.00 |
| Great Room Total: | $3,146.23 |

### Equipment Room

| | | |
|---|---|---|
| 1 | **Integra Home Theater DRX-4.3** | $1,049.25 |

With more distortion-free power, IMAX Enhanced certification for IMAX remastered movies, and Dolby Atmos or DTS:X surround-sound reproduction through 5.2.4 channels, the Integra DRX-4.3 opens the door to gold-class home theater complete with powered or wireless audio distribution to your favorite rooms.

|  |  |
|---|---|
| Equipment: | $1,049.25 |
| Labor: | $0.00 |
| Equipment Room Total: | $1,049.25 |

### Master Bed

| 1 | **Motorola Cable Box** | $0.00 |
|---|---|---|
|  | [OFE] - High definition all digital dual tuner DVR set-top box | |

|  |  |
|---|---|
| Equipment: | $0.00 |
| Labor: | $0.00 |
| Master Bed Total: | $0.00 |

|  |  |
|---|---|
| **Equipment:** | **$4,195.48** |
| **Labor:** | **$0.00** |
| **Surround Sound Systems Total:** | **$4,195.48** |

## Surveillance

### Equipment Room

| 1 | **Elan EL-NVR-1TB** | $1,500.00 |
|---|---|---|
|  | Elan NVR's allow playback of recorders through both web GUI and Elan system viewer. 16TB max storage, 480 Total FPS. | |
| 4 | **Western Digital WD40PURX** | $567.00 |
|  | Western digital Purple series NVR HDD, rated for 24x7 usage. | |

|  |  |
|---|---|
| Equipment: | $2,067.00 |
| Labor: | $0.00 |
| Equipment Room Total: | $2,067.00 |

### Outdoor Perimeter

| 8 | **Elan EL-IP-ODV2-WH** | $3,150.00 |
|---|---|---|
|  | 2MPIP Varifocal Dome Camera with a 102-34 degree field of vision with automatic shutter speed adjustment. 100' IR Range. | |

|  |  |
|---|---|
| Equipment: | $3,150.00 |
| Labor: | $0.00 |
| Outdoor Perimeter Total: | $3,150.00 |

|  |  |
|---|---|
| **Equipment:** | **$5,217.00** |
| **Labor:** | **$0.00** |
| **Surveillance Total:** | **$5,217.00** |

## User Interfaces

### Great Room

| 1 | **Elan gHR10** | $299.25 |

The same great control capabilities of the HR200 predecessor with an ehanced wifi chip soft side button control in lieu of touch screen. Great for single zone and minor whole home control. 2.4" display.

| | Equipment: | $299.25 |
| | Labor: | $0.00 |
| | Great Room Total: | $299.25 |

### Master Bed

| 1 | **Elan EL-ITP-8-WH** | $750.00 |

8" Intelligent touch panel - white

| 1 | **Elan gHR10** | $299.25 |

The same great control capabilities of the HR200 predecessor with an ehanced wifi chip soft side button control in lieu of touch screen. Great for single zone and minor whole home control. 2.4" display.

| | Equipment: | $1,049.25 |
| | Labor: | $0.00 |
| | Master Bed Total: | $1,049.25 |

### Kitchen

| 1 | **Elan EL-ITP-8-WH** | $750.00 |

8" Intelligent touch panel - white

| | Equipment: | $750.00 |
| | Labor: | $0.00 |
| | Kitchen Total: | $750.00 |

| | **Equipment:** | **$2,098.50** |
| | **Labor:** | **$0.00** |
| | **User Interfaces Total:** | **$2,098.50** |

## Project Summary

| | |
|---:|---:|
| **Equipment:** | **$46,585.27** |
| **Discount:** | **($11,646.33)** |
| **Labor:** | **$600.00** |
| **Sales Tax:** | **$3,493.89** |

# Grand Total: $39,032.83

**Client:** _____

**Date** _____

**Contractor:**   myEasytek _____

**Date** _____

## Product Details

**Aprilaire 8820**

Wifi thermostat standalone or integrated into automation system. 2H/2C w/ Humidity auto changeover with integrated IAQ.

**Elan gSC10**

System controller with 10 RS232 outputs, 10 Relay outputs, 4 sense inputs. Support for large systems.

http://www.elanhomesystems.com/system_controllers.asp

**Elan SC1**

Serial to ViaNet adapter.

**Elan VTSENSOR**

Detects AC or DC voltage from 9-24 Volts. A two-terminal barrier strip is used to connect voltage + and  conductors. Perfect for use with the SC Series or multi-room controller.

http://www.elanhomesystems.com/pdf/elan2011catalog.pdf

**Niles MF1VF**

IR Emitter with 3.5 mm mono mini plug and LED diode with red feedback (flasher).

http://www.nilesaudio.com/product.php?prodID=MF1VF&recordID=IR%20Flashers&categoryID=Ingenious%20IR&catcdID=5&prdcdID=FG01020

**Vera VERAEDGE**

VeraEdge gateway adapts ethernet to Z-Wave. Standalone programming or integrated into automation system.

http://getvera.com/controllers/veraedge/

**Viking DOORBELL**

[OFE] - Viking single pole doorbell contact.

**Viking DB-40**

[NB] - [OFE] - Viking single pole doorbell contact.

https://www.vikingelectronics.com/products/db40-wh/

**Aprilaire 8820**

Wifi thermostat standalone or integrated into automation system. 2H/2C w/ Humidity auto changeover with integrated IAQ.

**GoControl LN-GD00Z4**

**Aprilaire 8820**

Wifi thermostat standalone or integrated into automation system. 2H/2C w/ Humidity auto changeover with integrated IAQ.

**SpeakerCraft AIM7 TWO Series 2**

AIM Series 2 breaks new ground by adapting technology that was once only utilized in large sound reinforcement experiences. By incorporating multiple tweeters in a line array, AIM Series 2 delivers focused high frequencies farther into the listening area than standard tweeter configurations so that listeners may enjoy a larger sweet spot. Complementing the ARC Tweeter Array is our updated WavePlane technology that acts as an acoustic lens, focusing the high frequency audio energy into the listening environment for a cleaner, wider, and richer sound. But its the enhanced aim-ability of the AIM Series 2 that presents all new options for sound design from home theater to whole home audio. Simply put, every element of the AIM Series 2 has been recrafted for heightened aesthetics and heightened sound.

**Autonomic AU-MMS-3E**

The eSeries Music Streamer is a solid-state, multi-source music streamer, complete with the features and functionality expected from the Autonomic family of products. Seamlessly integrate the streamer into any popular automation system, and deliver playback of pure, 24-bit/192kHz high-resolution audio, in addition to the most popular online music streaming services. Pair with an Autonomic digital amplifier, and the streamer supports multiple discrete streams of audio over Ethernet using eAudioCast technology.

**Elan S1616A**

A 16-channel multi-zone amplifier/controller combining the functionality of the ELAN D16 amplifier and S128P multi-zone controller into a stackable component. Create an audio matrix up to 16x16 with loop outputs for expansion. Controlled via ViaNet using RS232 SC1 to vianet adapter.

http://www.elanhomesystems.com/amplification.asp

**Niles DBI-2**

Two contact closure inputs activating chime generator. 12V output for integration into automation system. Recordable or pre-recorded chimes available.

http://www.nilesaudio.com/product.php?prodID=DBI-2&recordID=MultiZone%20Accessories&categoryID=Multizone%20Products&catcdID=2&prdcdID=FG01613

**Niles CM7PR**

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter  130W RMS Maximum, White Frameless Grille

http://www.nilesaudio.com/product.php?prodID=CM7PR&recordID=Ceiling%20Mount%20Loudspeakers&categoryID=Speakers&catcdID=1&prdcdID=FG01657

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**Niles CM7PR**

Niles Audio Performance Series Speakers, 7" Woofer w/ Tweeter  130W RMS Maximum, White Frameless Grille

http://www.nilesaudio.com/product.php?prodID=CM7PR&recordID=Ceiling%20Mount%20Loudspeakers&categoryID=Speakers&catcdID=1&prdcdID=FG01657

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**Atlona AT-UHD-EX-70C-RX**

4K/UHD HDMI Over 70M HDBaseT Receiver with  Control and PoE

http://atlona.com/product/at-uhd-ex-70c-rx/

**SnapAV SM-RBX-PRO-8-BLK**

This little brother to our original Strong VersaBox Pro is the perfect companion to all our Strong mounts  and its smaller size makes it more versatile than ever. Constructed from durable sheet metal, this state-of-the-art box elegantly fits your equipment behind the TV. This box's metal construction and UL listing ensure that it meets building codes across the US. Plus, it features a handy knock out for dropping in a Compact WattBox, and you can use it with any mount.

http://www.snapav.com/p-2028-SM-RBX-PRO-8-BLK.aspx

**Apple Apple TV 4K**

[OFE] - 4K Media Streaming Device

**Atlona AT-UHD-PRO3-88M**

The Atlona AT-UHD-PRO3-88M is a dual-distance 8x8 HDMI to HDBaseT matrix switcher for 4K/UHD @ 60Hz video signals with Power over Ethernet for receivers and analog audio breakout. The matrix provides flexible HDBaseT routing with both extended distance, 328 foot (100 meter) and long distance, 230 foot (70 meter) transmission over category cable with bidirectional extension of both RS- 232 and IR Control. Two HDMI outputs are provided as mirrored outputs designed for routing HDMI-based audio to an AVR or as additional matrix outputs. The matrix switcher is HDCP 2.2 compliant and supports EDID communication. The matrix is control system-friendly and integrates with any TCP/IP, RS-232, or IR based control signals. Use with optional AT-IR-CS-TX IR emitter cable for AV system control.  Designed for multi-zone residential or commercial distribution applications, the AT-UHD-PRO3-88M features a 2U, rack-mountable enclosure with internal, international power supply.

**Motorola Cable Box**

[OFE] - High definition all digital dual tuner DVR set-top box

**Atlona AT-UHD-EX-70C-RX**

4K/UHD HDMI Over 70M HDBaseT Receiver with  Control and PoE

http://atlona.com/product/at-uhd-ex-70c-rx/

**SnapAV SM-RBX-PRO-14**

This little brother to our original Strong VersaBox Pro is the perfect companion to all our Strong mounts  and its smaller size makes it more versatile than ever. Constructed from durable sheet metal, this state-of-the-art box elegantly fits your equipment behind the TV. This box's metal construction and UL listing ensure that it meets building codes across the US. Plus, it features a handy knock out for dropping in a Compact WattBox, and you can use it with any mount.

https://www.snapav.com/shop/en/snapav/boxes/strong-trade%3B-versabox%E2%84%A2-

**Xantech XT-EX-TOS-3**

**Atlona AT-UHD-EX-70C-RX**

4K/UHD HDMI Over 70M HDBaseT Receiver with  Control and PoE

http://atlona.com/product/at-uhd-ex-70c-rx/

**SnapAV SM-RBX-PRO-8-BLK**

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http://www.snapav.com/p-2028-SM-RBX-PRO-8-BLK.aspx

**GoControl S15Z5-1**

GoControl Z-Wave Plus White In-Wall Switch, 15A Maximum Load

**GoControl WT00Z5-1**

GoControl Z-Wave Plus In-Wall Virtual 3-Way Switch

**Aruba IAP-305**

3x3 Antenna MU-MIMO, 5Ghz band capable of 1300 Mb/s data rate. Seamless client migration, managed client handoff in multi-access point systems.

http://www.arubanetworks.com/assets/ds/DS_AP300Series.pdf

**Luxul ABR-5000**

Gigabit WAN capability, Cavium Dual Core MiPS64 processors, 2GB DDR3 Memory, integrated VPN, failover WAN capable, QOS enforcement, VLAN Tagging, Fanless, 1U Rackmount, 3 year warranty.

https://luxul.com/abr-5000

**Luxul AGS-1024**

The Luxul AV-Series 24-Port Gigabit Switch (AGS-1024) features rear panel ports and front facing LEDs (user selectable blue/green colors) for clean integration with AV rack systems. With a 48Gbps backplane, this 24-port switch lets you network up to twenty-four Ethernet-enabled devices at full-duplex, non-blocking Gigabit speeds.

http://luxul.com/ags-1024

**Luxul AMS-2624P**

The Luxul AV-Series 26-port/24 PoE+ Gigabit Managed Switch (AMS-2616P) features rear panel ports and front facing LEDs (user selectable blue/green colors) for clean integration with AV rack systems. It is an excellent choice for expanding your network when using PoE-enabled devices such as VoIP, IP cameras and Wireless Access Points. The 26-port Gigabit switch includes 24 PoE+ ports, allowing you to use standard Ethernet cable to deliver both power and high speed data to 802.3af/at-compliant devices. It also features advanced management, VLAN and security capabilities to ensure optimal benefit from your home or office network.

**Motorola SB6121**

[OFE]

**Aruba IAP-305**

3x3 Antenna MU-MIMO, 5Ghz band capable of 1300 Mb/s data rate. Seamless client migration, managed client handoff in multi-access point systems.

http://www.arubanetworks.com/assets/ds/DS_AP300Series.pdf

**BlueBOLT M4000-PRO**

Power conditioner, 8 outlet, 15A

http://www.panamax.com/Products/A-V-Components/M4000-PRO.php

**Furman Sound D10-PFP**

The D10-PFP is a sturdy, rack-mountable power distributor. Featuring 10 rear panel outlets with circuit breaker, it offers a convenient way to power a rack full of equipment up to a 15 amp load.

http://www.furmansound.com/product.php?div=01&id=D10-PFP

**Middle Atlantic EB1**

1 Space (1 3/4) flanged econo-blank, black powder coat finish

http://www.middleatlantic.com/rackac/panels/bpanels.htm

**Middle Atlantic EB2**

Economical steel panels finished in a durable flat black powder coat finish

http://www.middleatlantic.com/products/accessories/blank-panels/economy-blank-steel-panels/eb2.aspx

**Middle Atlantic RCS-4224**

The Essex RCS Series Residential Configured Rack System offers exceptional quality and value at cost-effective prices for residential installers. It is completely assembled at the factory and ships with pre-installed accessories to save contractors time in the field while eliminating packaging waste.

http://www.middleatlantic.com/products/racks-enclosures/stand-alone-floor-standing-enclosures/essex-rcs-series-pre-configured-rack-system/rcs-4224.aspx

**Middle Atlantic U2**

For use in any rack system, the U2 Double Space Universal Rack Shelf is constructed of steel for durability and has a tough black, powder coat finish that won't rust or scratch. Rack any component up to 50 lbs (even non-rackable) with this universal rack shelf by Middle-Atlantic.

http://www.middleatlantic.com/products/accessories/rackshelves/utility-and-clamping-rackshelves/u2.aspx

**Definitive Technology MYTHOS SEVEN**

Each Mythos Seven contains a DAppolito array consisting of two high-definition 3-1/2 inch drivers housed in a air-tight enclosure. The drivers feature die cast Aluminum baskets, mono-polymer cones and Finite Element Analysis optimized magnet structures for clear low distortion life-like sound. The drivers are pressure-coupled to two 3-1/2 inch planar Low-Bass Radiators for exceptional bass extension not normally found in slim on-wall loudspeakers of this size. The bass roll-off of the Mythos Seven is smooth and controlled, allowing it to seamlessly blend with a powered subwoofer, such as Definitives SuperCubes, for audiophile-grade home theater power and precision. A 1 inch Pure Aluminum dome tweeter produces extended highs that reveal nuance and shimmer without a trace of edginess.

### Gefen GTV-DD-2-AA

Takes audio encoded in Dolby Digital (at up to 5.1 channels) from your multichannel S/PDIF or TOSLINK digital audio source and converts it to L/R analog audio -- without the need for any other external equipment!

http://www.gefen.com/kvm/dproduct.jsp?prod_id=5980

### SpeakerCraft PROFILE AIM CINEMA THREE

Impressive sonic performance is only valuable if the loudspeaker is attractive enough to live in the space where music will be enjoyed. Having created and manufactured the first in-wall speakers for residential applications, we understand how important the speakers appearance is to the homeowner. Once again, the Profile series delivers. Almost invisible subtlety. A flawless look.
Through precise engineering and with the use of Neodymium magnets, the Profile series is little more than a shadow on the wall or ceiling. Although there is still a flange to cover the rough edge of the drywall after the hole has been cut, the final appearance is all grille with only the slightest edge to create a smooth, finished result.

### SpeakerCraft PROFILE AIM LCR5 THREE

http://www.speakercraft.com/product/profile-aim-lcr5-3-ASM54633

### Sunfire HRS-12

You could certainly be forgiven for wanting an HRS subwoofer on its looks alone. With their compact, stunning, piano -like finished cabinets, the HRS Series subs make a design statement about themselves  and you. Whats more, beneath this beautiful exterior lies some of todays most advanced audio science. Like Sunfires High Back-emf driver technology that produces massive amounts of low distortion bass from some of the smallest drivers around. In fact, the HRS-12 delivers output equal to the performance of most available 15 subwoofers and does so with an unmatched visual finesse. The HRS-12 is ideal for larger rooms and dedicated home theater environments where the emphasis is on movies.

### Xantech XT-EX-HDMI-1.5

1.5M HDMI Cable, 4K/HDR Ready, 18 GB/s.

### Xantech XT-EX-TOS-3

### Integra Home Theater DRX-4.3

With more distortion-free power, IMAX Enhanced certification for IMAX remastered movies, and Dolby Atmos or DTS:X surround-sound reproduction through 5.2.4 channels, the Integra DRX-4.3 opens the door to gold-class home theater complete with powered or wireless audio distribution to your favorite rooms.

http://www.integrahometheater.com/Products/model.php?m=DRX-4.3&class=Receiver&source=prodClass

**Motorola Cable Box**

[OFE] - High definition all digital dual tuner DVR set-top box

**Elan EL-NVR-1TB**

Elan NVR's allow playback of recorders through both web GUI and Elan system viewer. 16TB max storage, 480 Total FPS.

https://www.elanhomesystems.com/product/elan-network-video-recorder-nvr-1tb-EL-NVR-1TB

**Western Digital WD40PURX**

Western digital Purple series NVR HDD, rated for 24x7 usage.

**Elan EL-IP-ODV2-WH**

2MPIP Varifocal Dome Camera with a 102-34 degree field of vision with automatic shutter speed adjustment. 100' IR Range.

**Elan gHR10**

The same great control capabilities of the HR200 predecessor with an ehanced wifi chip soft side button control in lieu of touch screen. Great for single zone and minor whole home control. 2.4" display.

https://youtu.be/dq1uaz4PRaU

**Elan EL-ITP-8-WH**

8" Intelligent touch panel - white

**Elan gHR10**

The same great control capabilities of the HR200 predecessor with an ehanced wifi chip soft side button control in lieu of touch screen. Great for single zone and minor whole home control. 2.4" display.

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