**The 2016 Custom House Project**

*Project description*

This ultra modern home has a seamlessly-integrated system of electronic innovations which include two motorized TV lifts; eight zones of audio; a media room; and artistic trim out.

*Project Scope*

*Describe the scope of this project, and specific needs and desires of the customer.*

This project was finished ontime and in budget. The listing below specifies the automation design dimensions requested and approved by the clients.

\*Matrix-switched audio is part of a whole-house ***Leviton/URC interface*** distributed A/V system, which clients control (onsite and remotely) by mobile devices, and in-wall touch screens.

\*Advanced surge protection

\* Two of home’s TVs mounted on lifts/programmed in automation

\*Televisions calibrated using ***Sencore*** , ***VP 403***, and ***Color Pro*** gear

\*Arming the security system turns off lighting, fireplace, and A/V, while setting thermostats for more efficient temps

\*Programmed announcements, which play throughout at specified volume levels, include:

driveway alerts

 doorbell on all speakers

 phone ringing on outdoor speakers

 doors left open

 temperature warnings

 security alerts

\*Lighting scenes, which include fireplaces and fountains, change according to security system status/mode

\* Ascending the stairs triggers a flex sensor under the first step, turning on the stairwell lights; descending does the same.

\* Water leak detection in the kitchen and Laundry with shutoff Valve at water line entrance

\*Each security sensor is individually cabled and named

\* Artistic **finish**

All bare circuit boards are interconnected at two OnQ panels located in the control

 room. All cables from contacts, sensors, and other devices are individualized and color coded, labeling is *color coded*, as well as using *color-coded* heat shrink, cat-6 boots, and Velcro strapping

\*Additional open conduit pathways inside walls for future projects

*Describe how the system addressed the customer's needs and desires. Include:*

*How the systems and components were integrated physically and aesthetically into the architecture of the structure*

*Improvements in quality of life for the customer*

*Intuitiveness and ease of use functions*

*Any documentation that was provided to the owner at the completion of the project*

 We’re here! Your automated lifestyle begins. The driveway sensor triggers the outdoor lights and security alerts. The front door camera is viewed on any television. At this point of entry, a Maglock with access control is integrated into the home system. Once inside, motion sensors in corridors, and flex-sensors under stairway steps also trigger safety lighting and security features. Walking through the house, your comfort has been provided by programmed thermostats and lighting scenes incorporating fireplaces, fountains, indoor and landscape illumination.

Sit down in any room, pick up a cell phone, and activate the home’s distributed A/V system. Watch the décor change, as your television screen lowers in front of you. Run into the master bedroom for a quick change of clothes, and never miss a second of the show because the TV’s on there, too, just above the warm inviting fire, waiting for you. Play your Pandora station in the kitchen while you get your cooking groove on.

Going out for the evening? Will there be a change in weather? No worries, because the temperature and humidity are being monitored by the home system, so indoors will be change accordingly. Just leave, click “Away” on your phone, and the house will take care of itself! If anything unexpected happens, you’ll be notified so you can make changes.