

## **RESIDENTIAL NEW CONSTRUCTION PROCESS**

### **1. WHOLE HOME SOLUTIONS DESIGN (before framing is finished)**

- Discuss desired outcomes with home owner and/or builder
- Mark-up plans according to first discussion
- Build and discuss preliminary quotes
- Fine tune quotes to fit customer needs and budget

### **2. LOW-VOLTAGE PRE-WIRE (after electrical rough-in & before drywall)**

- TV Locations (Coax & CAT6)
- Zone Audio Locations (16/4 speaker wire pulled to each room)
  - a. Pair of 16/2 to zones needing 2 speakers
  - b. One 16/4 to zones only getting one speaker
  - c. 16/4 to exterior for outdoor landscape audio options
- Surround system / home theater pre-wire(s)
- Security System / Burglar Alarm
- Surveillance System / CAT6 pulled to all future camera locations
- Wi-Fi distribution / CAT6 to all future Wi-Fi access point locations
- Low-voltage raceways to attic and exterior for future cabling
- Home automation preparations
  - a. Additional CAT6 to each TV for control
  - b. Additional CAT6 locations for in-wall control panel locations
  - c. Lutron lighting
  - d. Smart thermostats for HVAC control
  - e. Automated / powered window treatments
  - f. Smart / My-Q enabled garage door openers
  - g. Smart door locks installed on frequently used doorways
  - h. Video distribution designs for advanced video options on TVs

### **3. LOW-VOLTAGE Trim-out (after paint & before flooring)**

- Trim out coax & CAT6 wall plates

- Install all in-ceiling / in-wall speakers
- Mount Wi-Fi access points
- Mount cameras
- Install all recessed door contacts for security system
- Terminate all cabling at headend / DMARC location

#### **4. A/V & Security Installations (2-3 days before move-in)**

- Deliver & install all wall mounted TVs
- Provide guidance to internet providers and cable technicians
- Install AV rack(s) at low-voltage headend location
- Install network switches and make all needed hardwired network connections (TVs, access points, etc.).
- Install & activate Wi-Fi access points
- Install home audio distribution amplification (SONOS amps)
- Perform final surround sound / home theater installation and programming.
- Install, program, and test home automation system and control panels

#### **5. Final System Testing & Introductions (2-3 days after move-in)**

- Calibrate all audio zones with furniture in place for proper acoustical performance in every room.
- Calibrate surround sound / home theater system with furniture in place.
- Perform complete control system(s) testing and fine tuning.
- Assist customer in downloading all needed control apps and provide system introduction & instruction.
- Address any issues and answer any customer questions.