

## Camino Del Lago - Structured Wiring Information

### Family Room

The Family Room Media Nitch includes two RG-6 (terminated) which can be used for cable TV or Satellite TV (compatible with dual tuner **D**igital **V**ideo **R**ecorder (DVR). One telephone jack, which is terminated for L1/L2. Behind this outlet (unterminated) is a Cat5e, which may be used telephone or computer network.

**Speakers** - Family room includes speaker pre-wire for 7.1-surround sound. Six pre-wire locations in the ceiling, two fronts, two surround, two effect. These speaker locations are marked by a small round plug on the ceiling (the wire is in a bundle located in the ceiling right above these marks).

One subwoofer pre-wire location. Typically located in the rear of the family room.

The center channel you add to complete the package of 7.1 (seven speakers along with the .1 subwoofer). These wires are located behind a blank wall plate in the Media Nitch.

Also behind this plate is a wire that runs to the master bedroom for speaker connection and an additional wire to the structured wiring box for additional future connections.

### Living Room

**There are no RG-6 or Cat5e wires to this room.**

### Dining Room

**There are no RG-6 or Cat5e wires to this room.**

### Kitchen

Kitchen include a RG-6 outlet which can be used for cable TV or Satellite TV. Behind this outlet (unterminated) is a Cat5e which may be used telephone or computer networks. On the other side of the room is a Telephone jack which is terminated for L1/L2. Behind this outlet (unterminated) is a RG-6 cable which may be used for Cable TV or Satellite TV.

## Bedrooms

Bedrooms include a RG-6 outlet which can be used for cable TV or Satellite TV. Behind this outlet (unterminated) is a Cat5e which may be used telephone or computer networks. On the other side of the room is a Telephone jack which is terminated for L1/L2. Behind this outlet (unterminated) is a RG-6 cable which may be used for Cable TV or Satellite TV.

- **Master Bedroom** includes pre-wire for speakers, along with an in-wall volume control location. These speakers can be amplified from the family room or there is a blank plate on the master bedroom wall with a wire for a master bedroom amplifier. These wires run to the volume control location in the Master Bedroom.

Master bedroom includes two RG-6 (terminated) which can be used for cable TV or Satellite TV. One telephone jack which is terminated for L1/L2. Behind this outlet (unterminated) is a Cat5e which may be used telephone or computer networks.

On the other side of the room is a Telephone jack which is terminated for L1/L2. Behind this outlet (unterminated) is a RG-6 cable which may be used for Cable TV or Satellite TV.

## Bonus

Loft includes a 5.1 surround sound speaker pre-wire. These speakers are marked by a small round plug on the ceiling (the wire is in a bundle located in the ceiling right above the marks). The two front speakers are wired to the volume control which has a blank plate and is located near the light switches. One subwoofer pre-wire, located in the rear of the room. These speakers can be amplified from the media niche in the family room or from within the loft itself. There is a blank plate located near the cable outlet with the wire to the volume control.

The Loft also includes two RG-6 (terminated) which can be used for cable TV or Satellite TV. One telephone jack which is terminated for L1/L2. Behind this outlet (unterminated) is a Cat5e which may be used telephone or computer networks.

On the other side of the room is a Telephone jack which is terminated for L1/L2. Behind this outlet (unterminated) is a RG-6 cable which may be used for Cable TV or Satellite TV.

**Main (Side of Home)**

The wires coming from the Main Point Of Entry (MPOE) are two RG-6 and two cat5e. These run from the MPOE to the structured wiring box in the Master Bedroom closet. One Cat5e is terminated for phone (white in color), the other cat5e (blue in color) is an extra and is marked in the panel. The RG-6 is also terminated and labeled in the enclosure.

**Satellite Prewire**

There is a predetermined location for a satellite dish. A custom designed satellite pole is mounted through the roof with four RG-6 and a ground wire(10 gauge stranded copper). On this pole is mounted a High Definition DirecTv Satellite dish. This dish is adjusted correctly and ready to use. The four RG-6 and ground are wired to the structured wiring box in the master bedroom closet.

**Structured Wiring Enclosure**

This enclosure is located in the Master Bedroom Closet. This is the central point or distribution “hub” for all the low voltage wiring. In this box are all phone, coax, and network end points. This location allows you to connect any location to phone, coax, or computer networking (with the correct equipment). You will find and phone module that connects your phone main and splits it throughout the home. There may be other modules such as network or cable depending on your community. These modules are available if needed.

## Helpful Fact-

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#### **5.1 Channel Surround Sound**

Is a discrete six-channel surround sound, where the "5" corresponds to five channels (left, right, center, left surround, right surround) and the "1" refers to the Low-Frequency subwoofer channel. The first "5" is the full range channels and the "1" means there is a dedicated subwoofer channel.

#### **7.1 Channel Surround Sound**

Also known as Dolby Digital & DTS THX Surround EX. This is an extension of 5.1 surround sound format. It has the added effect channel being split into two channels - Back/Rear Left and Right to improve precision of surround sound.

### **Center Channel/Speaker**

The channel in a surround sound setup that is directly in front of the viewer. The center channel speaker "anchors" sound that should be coming from the front of the screen. Most dialogs in a DVD are played through the center channel.

### **RG-6 Coax**

RG6 is the recommended coaxial cable for distributing signals from cable TV, satellite or from a rooftop antenna. This cable has an 18-gauge solid copper center conductor with a quad foil and braid shield. RG-6 is UL Rated Class 2 or higher to meet electrical codes.

### **Cat5e (Category 5 Enhanced – Unshielded Twisted Pair cable)**

Cat 5e Cable is used in computer network applications such as 10Base-T, 100Base-T, and 1000Base-T Ethernet technology to 100 meters (328 feet). Our cat5e is composed of 4 pairs 24 AWG solid conductors with a PVC jacket.

**This type of cable may also be used for all types of telephone applications and more.**

### **Speaker wire 16-gauge**

The speaker wire installed in all homes is 16-gauge (65/34) strands HI-FLEX AUDIO Jacketed wire. We use both 16/2 and 16/4 types. This means there may be a 2 conductor of 16-gauge or a 4 conductor of 16-gauge wire depending on location and use.