

Audio Design, Inc.

CONNECTING ENVIRONMENTS

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Scope of Work Summary Proposal: AV-1a-Rev02

January 15, 2007

Sample Residence
123 Ocean Street
Anywhere, FL

System List and Descriptions:

Display Devices:

Equipment required for viewing television programming and other video sources, such as digital satellite or cabling, DVD and closed-circuit cameras.

Theater:

Equipment required for a room dedicated to the faithful reproduction of film.

Surround Sound:

Media room(s) designed for playback of high-quality video and multi-channel audio.

Audio/Video Distribution:

Equipment required for the distribution of high quality music from centrally located sources such as CD, iPod, radio and satellite tuners.

Automation and Control:

Equipment required for the integration and control of building-wide sub-systems, such as Home Theater, Audio/Video Distribution, Lighting, HVAC and Security.

CCTV:

Equipment required for viewing and recording video of the premises, including closed-circuit cameras and digital video recorders.

Telecommunications:

Equipment required for internal and external communication, including telephones, door intercom stations and telephone systems.

Equipment Racks:

Equipment required for the housing and interconnection of all system electronics.

Local System:

Equipment required for a stand-alone audio/video system.

Lighting Control:

Equipment required for integrating and controlling premise lighting.

Prewire – Audio/Video/Control:

Rough-in wire and materials required to support the home entertainment and automation systems.

Prewire – Structured Cabling:

Rough-in wire and materials required to support the voice/video/data systems.

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Rooms List:

Upper Floor:

Covered Entry
Foyer
Formal Parlor
Theater
Equipment Closet
Master Bed
Master Sitting Room
Master Balcony
Master Bath
Master Closet
Breakfast Bar
Gallery
Wine Cellar
Powder Bath
Covered Terrace – Up
Sundeck
Family Room
Kitchen
Butler's Pantry
Dining Hallway
Dining Room
Guest Bedroom
Guest Bedroom Closet
Guest Bath
Elevator
Stairway

Lower Floor:

Driveway
Garage
Storage
Parlor
Parlor Closet
Game Room
Exercise Room
Exercise Bath
Spa Bath
Steam Shower
Utility Room
Office
Bedroom 3
Bedroom 4
Bedroom 4 Closet
Bedroom 5
Covered Patio - Down
Cabana Bath
Pool Area
Pergola
Jacuzzi
Exterior - N
Exterior - NE
Security Panel Location
Jandy Pool Control Location
Lighting Control Processor Location
Attic
Dish Location
Network Enclosure
Whole House

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Covered Entry:

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- Control via Foyer touch screen.

CCTV:

- Video door camera distributed to all TVs.

Telecommunications:

- Door intercom through telephone system.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- CCTV/IP camera home run to equipment closet.

Prewire – Structured Cabling:

- Door intercom station home run to network enclosure.

Foyer:

Audio/Video Distribution:

- In-ceiling speakers (1 pair).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- In-wall video touch screen.

Lighting Control:

- All loads controlled, in accordance with electrical plan (less 1 keypad @ touch screen location).

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- Cabling for in-wall video touch screen (Cresnet / Cat5e / Composite AV) home run to equipment closet.

Formal Parlor:

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- Control via Foyer touch screen.

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Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.

Theater:

Display Devices:

- Ceiling-mount video projector.
- 123" fixed projection screen, 16:9 aspect ratio.

Theater:

- 7.1 Surround-Sound speaker system.

Audio/Video Distribution:

- Playback capability of house-wide music and video sources through surround-sound system.

Automation and Control:

- Wireless touch screen with control of house-wide integrated systems.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- 7.1 surround system with 2 subwoofer locations (speaker and line level audio).
- Projector link (RGBHV, RGB, Composite, Control, Data)
- Screen motor control.

Prewire – Structured Cabling:

- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.
- Digital services outlet (RG-6/Cat5e) home run to network enclosure.

Equipment Closet:

Theater:

- 7.1 Surround-Sound system including processor and multi-channel amplifier.

Surround Sound:

- 5.1 Surround-Sound receivers for Family and Master Bedroom systems.

Audio/Video Distribution:

- Hard drive music server (2 zone outputs) for house-wide music system.
- Dedicated satellite music receiver for house-wide music system.
- Dedicated satellite receiver for Master Bathroom wireless TV.
- Audio switching and amplification as required for house-wide distribution of music sources.

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- Video switching as required for distribution of CCTV cameras, satellite music receiver and hard drive music server to in-wall touch screens and TVs (Club Room, Master Bed, Family, Game, Exercise, Office and Sundeck).
- Dedicated HD satellite receivers (6) for Club Room, Master Bed, Family, Game, Exercise and Office.
- Dedicated DVD players (4) for Club Room, Master Bed, Family and Office.

Automation and Control:

- Central processor and equipment necessary for control of house-wide integrated systems, with Ethernet connectivity for off-site programming and trouble shooting.

CCTV:

- Digital video recorder (DVR) with Ethernet connectivity for recording and Internet viewing of cameras.

Equipment Racks:

- Rack-mount system for housing of all centrally located equipment.

Prewire – Audio/Video/Control:

- Satellite dish cabling as required home run to network enclosure.

Prewire – Structured Cabling:

- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Master Bedroom:

Display Devices:

- 57" flat screen HDTV on pull-out/swivel bracket.

Surround Sound:

- 5.1 Surround-Sound in-ceiling speaker system with floor-standing powered subwoofer.

Audio/Video Distribution:

- Playback capability of house-wide music and video sources through surround-sound AV system.

Automation and Control:

- Wireless touch screen with control of house-wide integrated systems.
- In-wall video touch screen.

Lighting Control:

- All loads controlled, in accordance with electrical plan (less 1 keypad @ touch screen location).

Prewire – Audio/Video/Control:

- 5.1 surround system cabling home run to equipment closet.
- TV Link cabling (RGB, Composite, Audio, Control) home run to equipment closet for connection of TV to house-wide audio/video distribution system.
- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.
- Cabling for in-wall video touch screen (Cresnet / Cat5e / Composite AV) home run to equipment closet.

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Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure (2 locations).
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Master Sitting Room:

Automation and Control:

- Control via Master Bedroom wireless touch screen and/or in-wall video touch screen.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.

Prewire – Structured Cabling:

- Digital services outlet (RG-6/Cat5e) home run to network enclosure (2 locations).

Master Balcony:

Automation and Control:

- Control via Master Bedroom wireless touch screen and/or in-wall video touch screen.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.

Master Bath:

Display Devices:

- 12" wireless television (base station to be located in Master Closet).

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- In-wall control keypad to be ganged together with lighting control keypad.

Local System:

- Dedicated satellite receiver to be located in equipment closet.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- Cabling for control keypad (Cresnet / Cat5e) home run to equipment closet.

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Master Closet:

Audio/Video Distribution:

- Master Bath Wireless TV base station for connection to cable TV distribution, LAN and dedicated satellite receiver located in equipment closet.

Automation and Control:

- Wireless Access Point (WAP).

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Audio/Video/Control cabling (Composite AV / Cat5e) home run to equipment closet.
- Digital services outlet (RG-6/Cat5e) home run to network enclosure (2 locations).

Prewire – Structured Cabling:

- Telephone/LAN outlet (2 ea. Cat5e) home run to network enclosure.

Breakfast Bar:

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Gallery:

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- In-wall control keypad to be ganged together with lighting control keypad.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.

Wine Cellar:

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Covered Terrace - Up:

Audio/Video Distribution:

- In-ceiling speakers (2 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

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Automation and Control:

- Control via Family wireless remote and/or Kitchen in-wall touch screen.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet (2 pr).

Prewire – Structured Cabling:

- Digital services outlet (RG-6/Cat5e) home run to network enclosure.

Sundeck:

Display Devices:

- Owner supplied television.

Audio/Video Distribution:

- Surface-mount weather-resistant speakers (1 pr).
- Playback capability of house-wide music sources through surface-mount speakers.

Automation and Control:

- In-wall control keypad to be ganged together with lighting control keypad.

Local System:

- Share output of House Music satellite receiver located in equipment closet.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- Cabling for control keypad (Cresnet / Cat5e) home run to equipment closet.
- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.

Prewire – Structured Cabling:

- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Family Room:

Display Devices:

- 57" flat screen HDTV on tilt wall-mount bracket.

Surround Sound:

- 5.1 Surround-Sound in-ceiling speaker system with floor-standing powered subwoofer.

Audio/Video Distribution:

- Playback capability of house-wide music and video sources through surround-sound AV system.

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Automation and Control:

- Wireless touch screen with control of house-wide integrated systems.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- 5.1 surround system cabling home run to equipment closet.
- TV Link cabling (RGB, Composite, Audio, Control) home run to equipment closet for connection of TV to house-wide audio/video distribution system.
- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.

Prewire – Structured Cabling:

- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Kitchen:

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music and video sources through TV and in-ceiling speakers.

Automation and Control:

- In-wall video touch screen.
- Wireless Access Point (WAP).

Lighting Control:

- All loads controlled, in accordance with electrical plan (less 1 keypad @ touch screen location).

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- Cabling for in-wall video touch screen (Cresnet / Cat5e / Composite AV) home run to equipment closet.
- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.
- Telephone/LAN outlet (2 ea. Cat5e) home run to network enclosure.

Butler's Pantry:

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Dining Hallway:

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Dining Room:

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Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- In-wall control keypad to be ganged together with lighting control keypad.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- Cabling for control keypad (Cresnet / Cat5e) home run to equipment closet.

Guest Bedroom:

Display Devices:

- Owner supplied TV connected to cable TV distribution.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Elevator:

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.

Stairway:

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Driveway:

CCTV:

- Outdoor Day/Night color camera (0 lux) with video distributed to all TVs.

Prewire – Audio/Video/Control:

- CCTV/IP camera home run to equipment closet.

Garage:

Display Devices:

- Owner supplied TV connected to cable TV distribution.

Audio/Video Distribution:

- In-ceiling speakers (2 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

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Automation and Control:

- Control via Game Room in-wall touch screen.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet (2 pr).
- Control cable (Cat5e) at garage door opener location home run to equipment closet.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Cable TV outlet (1 ea. RG-6) home run to network enclosure.

Storage Room:

Display Devices:

- Owner supplied TV connected to cable TV distribution.

Prewire – Structured Cabling:

- Digital services outlet (RG-6/Cat5e) home run to network enclosure.

Parlor:

Lighting Control:

- All loads controlled, in accordance with electrical plan (less 1 keypad @ touch screen location).

Parlor Closet:

Audio/Video Distribution:

- Dedicated DVD players (2) connected to Game Room and Exercise Room TVs.

Automation and Control:

- IR connecting blocks and emitters as required for control of Game Room and Exercise Room DVD players (2).

Prewire – Audio/Video/Control:

- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.

Prewire – Structured Cabling:

- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Game Room:

Display Devices:

- 46" flat screen HDTV on tilt wall-mount bracket.

Audio/Video Distribution:

- In-ceiling speakers (1 pr).

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- Playback capability of house-wide music through in-ceiling speakers.

Automation and Control:

- In-wall video touch screen.
- Wireless touch screen with control of house-wide integrated systems (to be shared with Exercise room equipment).

Lighting Control:

- All loads controlled, in accordance with electrical plan (less 1 keypad @ touch screen location).

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- Audio/Video/Control link (3 ea. Cat5e) to Parlor Closet equipment location.
- Cabling for in-wall video touch screen (Cresnet / Cat5e / Composite AV) home run to equipment closet.
- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Exercise Room:

Display Devices:

- 42" flat screen HDTV on pull-out/swivel bracket.

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music and video sources through TV and in-ceiling speakers.

Automation and Control:

- In-wall control keypad to be ganged together with lighting control keypad.
- Wireless touch screen with control of house-wide integrated systems (share w/Game Room).

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- Audio/Video/Control link (3 ea. Cat5e) to Parlor Closet equipment location.
- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.
- Cabling for control keypad (Cresnet / Cat5e) home run to equipment closet.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Exercise Bath:

Lighting Control:

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- All loads controlled, in accordance with electrical plan.

Spa Bath:

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Steam Shower:

Audio/Video Distribution:

- In-ceiling speaker (1 dual voice coil).
- Playback capability of house-wide music sources through in-ceiling speaker.

Automation and Control:

- In-wall control keypad to be ganged together with lighting control keypad.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speaker home run to equipment closet (single DVC speaker).
- Cabling for control keypad (Cresnet / Cat5e) home run to equipment closet.

Utility Room:

Display Devices:

- Owner supplied TV connected to cable TV distribution.

Automation and Control:

- Wireless Access Point (WAP).

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.
- Telephone/LAN outlet (2 ea. Cat5e) home run to network enclosure.

Office:

Display Devices:

- 57" flat screen HDTV on pull-out/swivel bracket.

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- In-wall control keypad to be ganged together with lighting control keypad.
- Wireless touch screen with control of house-wide integrated systems.

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Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.
- TV Link cabling (RGB, Composite, Audio, Control) for connection of local DSS receiver to TV.
- Crestron Room Solution box cabling (Cresnet and 3 ea. Cat5e) home run to equipment closet.
- Cabling for control keypad (Cresnet / Cat5e) home run to equipment closet.

Prewire – Structured Cabling:

- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure (2 locations).

Bedroom 3:

Display Devices:

- Owner supplied TV connected to cable TV distribution.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Bedroom 4:

Display Devices:

- Owner supplied TV connected to cable TV distribution.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Bedroom 4 Closet:

Automation and Control:

- Wireless Access Point (WAP).

Prewire – Audio/Video/Control:

- Data/control cabling (Cresnet/Cat5e) for WAP and/or antenna for Pool Area wireless remote control.

Prewire – Structured Cabling:

- Telephone/LAN outlet (2 ea. Cat5e) home run to network enclosure.

Bedroom 5:

Display Devices:

- Owner supplied TV connected to cable TV distribution.

Prewire – Structured Cabling:

- Telephone outlet (Cat5e) home run to network enclosure.
- Structured outlet (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

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Covered Patio - Down:

Audio/Video Distribution:

- In-ceiling speakers (1 pr).
- Playback capability of house-wide music sources through in-ceiling speakers.

Automation and Control:

- Control via Pool Area weather-resistant remote and/or Game Room touch screen.

Lighting Control:

- All loads controlled, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Stereo speakers home run to equipment closet.

Prewire – Structured Cabling:

- Digital services outlet (RG-6/Cat5e) home run to network enclosure.

Cabana Bath:

Prewire – Audio/Video/Control:

- Data/control cabling (Cresnet/Cat5e) for WAP and/or antenna for Pool Area wireless remote control.

Pool Area:

Automation and Control:

- Weather-resistant remote control (Covered Patio - Down, Jacuzzi and Pergola speakers).

Pergola:

Audio/Video Distribution:

- Outdoor “rock” speakers (1 pr).
- Playback capability of house-wide music sources through “rock” speakers.

Automation and Control:

- Control via Pool Area weather-resistant remote and/or Game Room touch screen.

Prewire – Audio/Video/Control:

- Stereo landscape speakers home run to equipment closet.

Jacuzzi:

Audio/Video Distribution:

- Outdoor “rock” speakers (1 pr).
- Playback capability of house-wide music sources through “rock” speakers.

Automation and Control:

- Control via Pool Area weather-resistant remote and/or Game Room touch screen.

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Prewire – Audio/Video/Control:

- Stereo landscape speakers home run to equipment closet.

Exterior N:

CCTV:

- Outdoor Day/Night color camera (0 lux) with video distributed to all TVs.

Prewire – Audio/Video/Control:

- CCTV/IP camera home run to equipment closet.

Exterior NE:

CCTV:

- Outdoor Day/Night color camera (0 lux) with video distributed to all TVs.

Prewire – Audio/Video/Control:

- CCTV/IP camera home run to equipment closet.

Security Panel Location:

Automation and Control:

- Serial (RS 232) connection to whole-house automation processor.

Prewire – Audio/Video/Control:

- Serial remote control home run to equipment closet.

Prewire – Structured Cabling:

- LAN outlet home run to network enclosure.

Jandy Pool Control Location:

Automation and Control:

- Serial (RS 232) connection to whole-house automation processor.

Prewire – Audio/Video/Control:

- Serial remote control cabling home run to equipment closet.

Prewire – Structured Cabling:

- LAN outlet home run to network enclosure.

Lighting Control Processor Location:

Automation and Control:

- Serial (RS 232) and/or Ethernet connection to whole-house automation processor.

Lighting Control:

- Low voltage lighting control processor, as specified in (separate) lighting proposal.

Prewire – Audio/Video/Control:

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- Data/control (Cresnet / Cat5e) cabling home run to equipment closet.

Prewire – Structured Cabling:

- LAN outlet home run to network enclosure.

Attic:

Audio/Video Distribution:

- UHF/VHF antenna for FM and Local Off-Air HDTV reception.

Prewire – Audio/Video/Control:

- RF antenna cabling home run to network enclosure.

Dish Location:

Audio/Video Distribution:

- Multi-LNB dish for DirecTV satellite reception, including HDTV local stations.

Prewire – Audio/Video/Control:

- Satellite dish cabling as required for DirecTV HDTV home run to network enclosure.

Network Enclosure:

Audio/Video Distribution:

- Hardware necessary for proper house-wide distribution of RF antenna and satellite dish.
- Hardware necessary for proper house-wide distribution of computer network.

Prewire – Structured Cabling:

- Hardware necessary for proper house-wide distribution of cable TV signal.

Service Demarc:

Prewire – Structured Cabling:

- Voice/Video/Data service lines (2ea. RG-6/2 ea. Cat5e) home run to network enclosure.

Whole House:

Automation and Control:

- “Smart” thermostats (5).

Lighting Control:

- All exterior loads, in accordance with electrical plan.

Prewire – Audio/Video/Control:

- Control of all HVAC thermostats (5).

Client Signature

Date