




































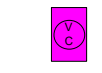



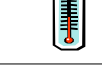


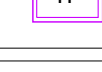
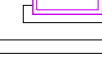


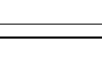
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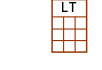


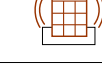


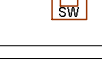
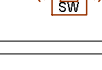
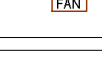
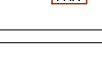


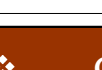



**7695 Village Way  
Park City  
Utah  
84060**



















| AUDIO   |  |  |
|---|--|--|
| SYMBOL  | DESCRIPTION                              | INFRASTRUCTURE WIRE  |
| ✦ AUDIO DEVICES   |  |  |
|    | 6" In Ceiling Speaker Location           | 1 - 162 Speaker Cable<br>1 - 8" Sonance Round Speaker Ring<br>Align With Lighting Fixtures, Evenly Spaced In Room  |
|    | 6" Blind Wire In Ceiling Speaker         | 1 - 162 Speaker Cable<br>Bury Speaker Cable Behind Drywall<br>Align With Lighting Fixtures, Evenly Spaced In Room  |
|    | 6" In Ceiling Speaker w/ Dual Voice Coil | 1 - 164 Speaker Cable<br>1 - 8" Sonance Round Speaker Ring<br>Align With Lighting Fixtures, Evenly Spaced In Room  |
|    | 8" In Ceiling Speaker                    | 1 - 162 Speaker Cable<br>1 - 8" Sonance Round Speaker Ring<br>Align With Lighting Fixtures, Evenly Spaced In Room  |
|    | 8" Blind Wire In Ceiling Speaker         | 1 - 162 Speaker Cable<br>Bury Speaker Cable Behind Drywall<br>Align With Lighting Fixtures, Evenly Spaced In Room  |
|    | 8" In Ceiling Speaker w/ Dual Voice Coil | 1 - 164 Speaker Cable<br>1 - 8" Sonance Round Speaker Ring<br>Align With Lighting Fixtures, Evenly Spaced In Room  |
|    | Outdoor Speaker                          | 1 - 162 Speaker Cable<br>3/16" Vinyl Zip Tie It To A Staple Near The Exit Point<br>Try To Align With Outdoor Lighting Fixtures                               |
|    | Outdoor Speaker w/ Dual Voice Coil       | 1 - 164 Speaker Cable<br>3/16" Vinyl Zip Tie It To A Staple Near The Exit Point<br>Try To Align With Outdoor Lighting Fixtures                               |
|    | 6" In Wall Speaker                       | 1 - 162 Speaker Cable<br>1 - 8" Sonance Rectangular Speaker Ring<br>Spread Out In Room, Height Determined By Room Layout                                     |
|    | 8" In Wall Speaker                       | 1 - 162 Speaker Cable<br>1 - 8" Sonance Rectangular Speaker Ring<br>Spread Out In Room, Height Determined By Room Layout                                     |
|    | In Wall Subwoofer                        | 1 - 142 Speaker Cable<br>1 - 8" Specified Specialty Ring Or Back Box<br>Mount Ring 12" Above Floor or<br>Butt Box To Bottom Plate Of Wall                    |
|    | In Ceiling Subwoofer                     | 1 - 162 Speaker Cable<br>1 - 8" Sonance Round Speaker Ring Or Back Box<br>Align With Lighting Fixtures Or<br>If Used For A Surround Sound, Place Near Fronts |
|    | 6" Theater In Wall Speaker               | 1 - 142 Speaker Cable<br>1 - Check Proposal For Specified Speaker Ring/Back Box<br>See Plans For Specifications & Layout                                     |
|    | 8" Theater In Wall Speaker               | 1 - 142 Speaker Cable<br>1 - Check Proposal For Specified Speaker Ring/Back Box<br>See Plans For Specifications & Layout                                     |
|    | Box Subwoofer                            | 1 - 162 Speaker Cable<br>1 - Black R08 Quad Case<br>Single Gang Backless Mud Ring<br>Match Outlet Height With Electrical                                     |
|  | Box Speaker                              | 1 - 162 Speaker Cable<br>Single Gang Backless Mud Ring<br>Match Outlet Height With Electrical  |
|  | Landscape Speaker System                 | 2 - 164 Speaker Cable<br>Single Gang Backless Mud Ring<br>Match Outlet Height With Electrical  |
|  | Landscape Rock Speaker                   | 1 - 162 Speaker Cable<br>Single Gang Backless Mud Ring<br>Match Outlet Height With Electrical  |
|  | Soundbar Speaker                         | 3 - 162 Speaker Cable<br>Use Same Single Gang Backless Mud Ring As RTV Outlet  |







| VIDEO   |   |  |
|---|---|--|
| SYMBOL  | DESCRIPTION                               | INFRASTRUCTURE WIRE  |
| ✦ VIDEO & DISPLAY DEVICES   |   |  |
|  | Remote Television Location (RTV)          | 1 - Purple CAT5e, 1 - Green CAT5e, 1 - Blue CAT6, 1 - Black R08 Quad Case<br>1 - Single Gang Backless Mud Ring @ 60" To Center   |
|  | Local Source Location                     | 1 - Purple CAT5e, 1 - Green CAT5e, 1 - Blue CAT6, 1 - White R08 Quad Case<br>1 - Single Gang Backless Mud Ring<br>Match Outlet Height With Electrical                                      |
|  | Projector Location                        | 1 - 2' Conduit@4' On Tube or<br>1 - Purple CAT5e, 1 - Green CAT5e, 1 - Blue CAT6, 1 - Black R08 Quad Case<br>1 - Single Gang Backless Mud Ring<br>Center On Screen@4' @ Specified Distance |
|  | Motorized Projection Screen               | 1 - Purple CAT5e, 1 - Green CAT5e<br>Reference Wiring Plans for Infrastructure Specifications  |
|  | Satellite 6 Location                      | 8 - Black R08 Quad Case, 2 - Blue CAT5e, 1 - 162 Speaker Cable<br>Location TBD On-Site With Contractor   |
|  | Phone / Cable D-Mark Location             | 1 - Purple CAT5e, 1 - Green CAT5e<br>Reference Wiring Plans for Infrastructure Specifications  |
|  | Closed Circuit Television Location (CCTV) | 1 - Purple CAT5e, 1 - Green CAT5e<br>Reference Wiring Plans for Infrastructure Specifications  |



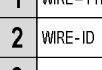


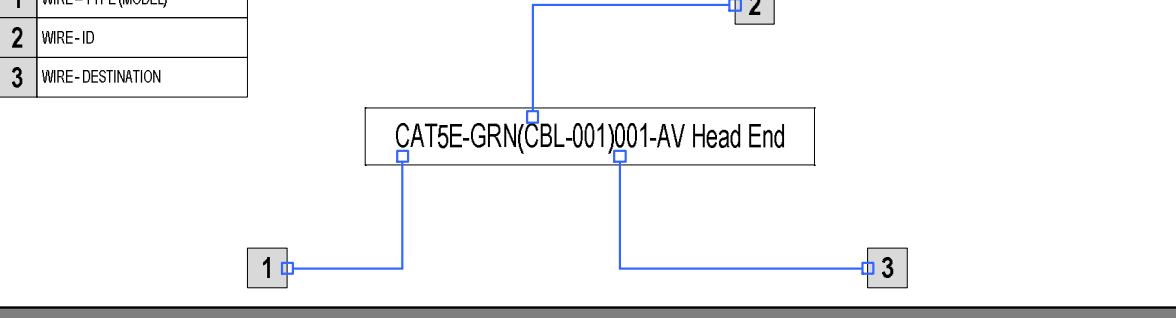
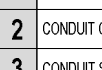


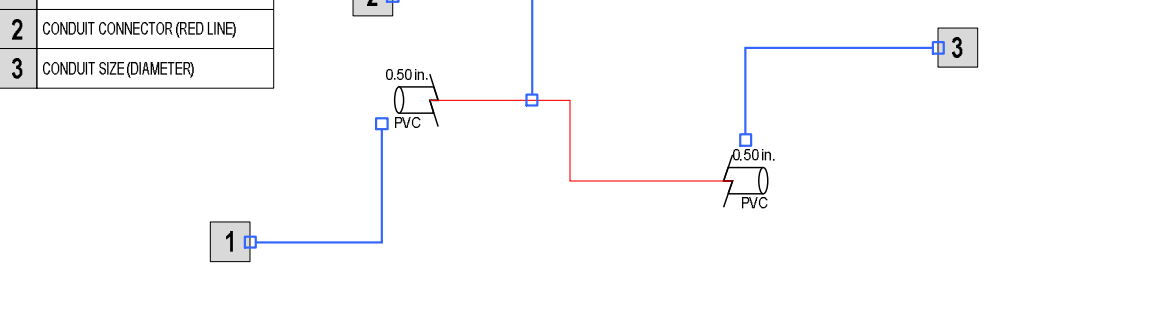


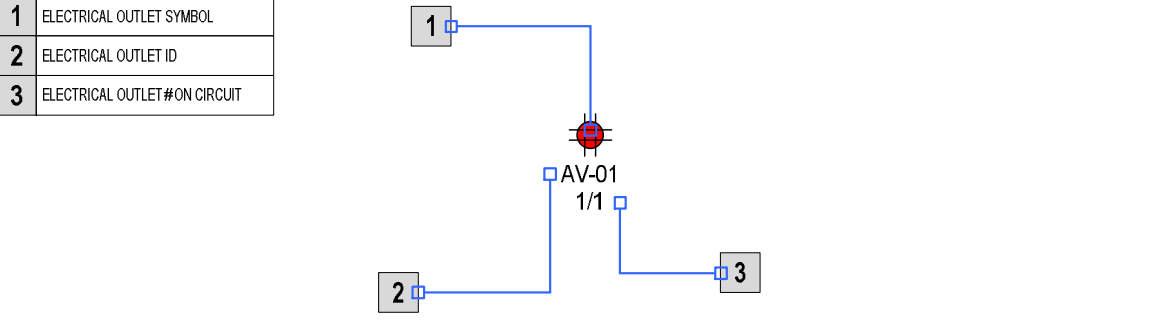
| VOICE & DATA  |  |  |
|---|--|--|
| SYMBOL  | DESCRIPTION  | INFRASTRUCTURE WIRE  |
| ✦ VOICE/DATA DEVICES  |  |  |
|  | Wall Phone Location                                    | 1 - White CAT5e<br>1 - Single Gang Backless Mud Ring @ 60" To Center                                       |
|  | Phone and Data Location                                | 1 - White CAT5e, 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring, Match Outlet Height W/ Electrical    |
|  | Wireless Voice or Data Device (Type: Cell, DECT, WiFi) | 1 - White CAT5e, 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring @ 90" To Center                       |
|  | Floor Phone and Data Location                          | 1 - White CAT5e, 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring, Match Outlet W/ Electrical Floor Box |
|  | Data Location  | 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring, Match Outlet Height W/ Electrical                     |
|  | Phone Location   | 1 - White CAT5e<br>1 - Single Gang Backless Mud Ring, Match Outlet Height W/ Electrical                    |


| CONTROL & USER INTERFACES   |  |  |
|---|--|--|
| SYMBOL  | DESCRIPTION                                  | INFRASTRUCTURE WIRE  |
| ✦ CONTROL DEVICES   |  |  |
|  | Touchpanel                                   | 1 - Pink CAT5e, 1 - Gray CAT5e<br>1 - Single Gang Backless Mud Ring @ 60" To Center<br>Screw The Mud Ring Into The Side Of The Stud  |
|  | Door Station                                 | 1 - White CAT5e, 1 - Blue CAT6<br>1 - Single Gang Backless Mud Ring @ 60" To Center  |
|  | Volume Control                               | 1 - Pink CAT5e, 1 - 164 Speaker Cable<br>Speakers Must Loop Through Volume Control Location<br>1 - Single Gang Backless Mud Ring @ 60" To Center<br>Screw The Mud Ring Into The Side Of The Stud |
|  | Keypad                                       | 1 - Pink CAT5e, 1 - Gray CAT5e<br>1 - Single Gang Backless Mud Ring @ 60" To Center<br>Screw The Mud Ring Into The Side Of The Stud  |
|  | Lighting Keypad                              | Reference Wiring Plans for Infrastructure Specifications   |
|  | Lighting Integration                         | 1 - White CAT5e, 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring<br>Reference Plans For Location   |
|  | HVAC Integration                             | 1 - White CAT5e, 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring<br>Reference Plans For Location   |
|  | Security Integration                         | 1 - White CAT5e, 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring<br>Reference Plans For Location   |
|  | Pool/Spa Integration                         | 1 - White CAT5e, 1 - Blue CAT5e<br>1 - Single Gang Backless Mud Ring<br>Reference Plans For Location   |
|  | Touch Panel                                  | Not Applicable   |
|  | Touch Panel - Tabletop Location              | Reference Wiring Plans for Infrastructure Specifications   |
|  | Touch Panel - In-Wall Location               | Reference Wiring Plans for Infrastructure Specifications   |
|  | Remote Control - Hand-held                   | Not Applicable   |
|  | Wireless - Control Device (Type: RF, Zigbee) | Reference Wiring Plans for Infrastructure Specifications   |

| LIGHTING & CLIMATE CONTROL  |   |  |
|---|---|--|
| SYMBOL  | DESCRIPTION   | INFRASTRUCTURE WIRE                                      |
| ✦ LIGHTING DEVICES  |   |  |
|  | Keypad - In-Wall Location (Type: KP, LT, SH, CL)            | Reference Wiring Plans for Infrastructure Specifications |
|  | Wireless Keypad - In-Wall Location (Type: KP, LT, SH, CL)   | Not Applicable   |
|  | Keypad - Table Top Location (Type: KP, LT, SH, CL)          | Reference Wiring Plans for Infrastructure Specifications |
|  | Wireless Keypad - Table Top Location (Type: KP, LT, SH, CL) | Not Applicable   |
|  | Dimmer  | Wiring Provided and Installed by Electrician             |
|  | Wireless Dimmer   | Not Applicable   |
|  | Switch  | Wiring Provided and Installed by Electrician             |
|  | Wireless Switch   | Not Applicable   |
|  | Fan Control   | Wiring Provided and Installed by Electrician             |
|  | Wireless Fan Control  | Not Applicable   |
|  | Occupancy Sensor  | Reference Wiring Plans for Infrastructure Specifications |
|  | Motorized Shade or Blind (Type: DRAM, SH4M)                 | Reference Wiring Plans for Infrastructure Specifications |
|  | Wireless - Lighting Device                                  | Reference Wiring Plans for Infrastructure Specifications |
| ✦ CLIMATE DEVICES   |   |  |
|  | Thermostat  | Reference Wiring Plans for Infrastructure Specifications |
|  | Temperature Sensor  | Reference Wiring Plans for Infrastructure Specifications |
|  | Temperature Sensor - Outdoor                                | Reference Wiring Plans for Infrastructure Specifications |

| SECURITY  |                                    |  |
|---|------------------------------------|--|
| SYMBOL  | DESCRIPTION                        | INFRASTRUCTURE WIRE  |
| ✦ SECURITY DEVICES  |                                    |  |
|    | Security Keypad                    | 1 - 224 Security Cable<br>60" To Center<br>Align With Light Switches           |
|    | Siren                              | 1 - 224 Security Cable<br>60" To Center<br>Align With Light Switches           |
|    | Door Contact                       | 1 - 224 Security Cable<br>Locate Inside Door Frame                             |
|    | Window Contact                     | 1 - 224 Security Cable<br>Locate Inside Window Frame                           |
|    | Smoke Detector                     | 1 - 184 Fire Cable<br>Align With Lighting                                      |
|    | Carbon Monoxide (CO) Detector      | 1 - 184 Fire Cable<br>Outlet Height<br>Align With High Voltage                 |
|    | Corner Motion Detector             | 1 - 224 Security Cable<br>60" To Center<br>Place In Corner                     |
|    | Overhead Door Contact              | 1 - 224 Security Cable<br>60" To Center<br>Place Near Overhead Garage Door     |
|    | Flush Mount Motion Sensor          | 1 - 224 Security Cable<br>78" To Center<br>See Plans For Location              |
|    | Ceiling Mount Motion Sensor        | 1 - 224 Security Cable<br>Align With Lighting                                  |
|    | Freeze Sensor                      | 1 - 224 Security Cable<br>Outlet Height<br>See Plans For Placement             |
|    | Flood Sensor                       | 1 - 224 Security Cable<br>Outlet Height<br>See Plans For Placement             |
|    | Flow Valve Sensor Connection       | 1 - 184 Fire Cable<br>See Plans For Placement<br>Align With High Voltage       |
|    | Glass Break Sensor                 | 1 - 224 Security Cable<br>Align With Lighting                                  |
|    | Wireless Receiver                  | 1 - 224 Security Cable<br>60" To Center<br>Align With Light Switches           |
|  | RS-232 Module                      | 1 - White CAT5e Cable<br>Run From Home Automation System To Security Panel     |
|  | Security Panel / Security Head End | See Plans For Placement<br>Align Security Panel Top To Electrical Panel        |
|  | Security Expansion Panel           | See Plans For Placement<br>Align Expansion Panel Above Or Below Security Panel |

| PLATES & JACKS  |   |  |
|---|---|--|
| SYMBOL  | DESCRIPTION   | INFRASTRUCTURE WIRE                                      |
| ✦ UNIVERSAL JACKS   |   |  |
|  | Universal (Multi-Purpose) Jack - Wall Location          | Reference Wiring Plans for Infrastructure Specifications |
|  | Universal (Multi-Purpose) Jack - Floor Location         | Reference Wiring Plans for Infrastructure Specifications |
|  | Universal (Multi-Purpose) Jack - Ceiling Location       | Reference Wiring Plans for Infrastructure Specifications |
| ✦ UNIVERSAL JACKS (AUDIO)   |   |  |
|  | Universal (Multi-Purpose) Audio Jack - Wall Location    | Reference Wiring Plans for Infrastructure Specifications |
|  | Universal (Multi-Purpose) Audio Jack - Floor Location   | Reference Wiring Plans for Infrastructure Specifications |
|  | Universal (Multi-Purpose) Audio Jack - Ceiling Location | Reference Wiring Plans for Infrastructure Specifications |

| MISCELLANEOUS  |   |  |
|--|---|--|
| SYMBOL   | DESCRIPTION   | INFRASTRUCTURE WIRE                                      |
| ✦ MISCELLANEOUS DEVICES  |   |  |
|   | Satellite Dish  | Reference Wiring Plans for Infrastructure Specifications |
|   | Antenna (Any Type)  | Reference Wiring Plans for Infrastructure Specifications |
| ✦ INFRASTRUCTURE ANNOTATIONS (WIRE TAG)  |   |  |
|   | WIRE-TYPE (WIREID)  |  |
|   | WIRE-ID   |  |
|   | WIRE-DESTINATION  |  |
|   |   |  |
| ✦ CONDUIT CALLOUTS & ANNOTATIONS   |   |  |
|   | CONDUIT MATERIAL  |  |
|   | CONDUIT CONNECTOR/RESILIENT                                 |  |
|   | CONDUIT SIZE/DIAMETER                                       |  |
|   |   |  |
| ✦ TECHNICAL POWER CALLOUTS & ANNOTATIONS   |   |  |
| SYMBOL   | DESCRIPTION   | INFRASTRUCTURE WIRE                                      |
|   | Typical - 120V Duplex Isolated Ground - NEMA 5-15R or 5-20R | Wiring Provided and Installed by Electrician             |
|   | Typical - 120V Quad Isolated Ground - NEMA 5-15R or 5-20R   | Wiring Provided and Installed by Electrician             |
|  |   |  |

| LOCATIONS & DESTINATIONS  |   |  |
|---|---|--|
| SYMBOL  | DESCRIPTION   | INFRASTRUCTURE WIRE                                      |
| ✦ ELECTRONIC DEVICE CENTERS   |   |  |
|  | Text Varies based on Designation  | Reference Wiring Plans for Infrastructure Specifications |
|   |   |  |
| DESIGNATION   | DESCRIPTION   |  |
| MDP   | MAIN DISTRIBUTION FRAME   |  |
| EDP   | INTERMEDIATE DISTRIBUTION FRAME   |  |
| LEC   | LOCAL EQUIPMENT CENTER  |  |
| HE  | HEAD END  |  |
| PANEL   | EQUIPMENT PANEL   |  |
| MPVE  | MINIMUM POINT OF ENTRY (POINT OF DEMARCATION FOR OUTSIDE SERVICE PROVIDERS) |  |
| PE  | PULL BOX  |  |
| CCB   | CONDUIT COLLECTION BOX  |  |

| SCHEMATIC KEY |                         |
|---------------|-------------------------|
| LINE FILE     | DESCRIPTION             |
| TEXT FIELD    | AUDIO & VIDEO EQUIPMENT |
| TEXT FIELD    | PHONE & DATA            |
| TEXT FIELD    | CLTV                    |
| TEXT FIELD    | SHAKES                  |
| TEXT FIELD    | UNUSED                  |
| TEXT FIELD    | UNUSED                  |
| TEXT FIELD    | UNUSED                  |
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| DATE     |  |  |  |  |  |  |  |  |  |
|----------|--|--|--|--|--|--|--|--|--|
| REVISION |  |  |  |  |  |  |  |  |  |
| #        |  |  |  |  |  |  |  |  |  |

AUDIO VIDEO SYSTEMS

390 WEST 6500 SOUTH  
MURRAY, UTAH 84107  
OFFICE (801) 649 - 5200  
FAX (801) 255-5039

2700 HOMESTEAD RD. # 10  
PARK CITY, UTAH 84098  
(844) 649 - 5200

Empire Residences

7695 Village Way  
Park City  
Utah  
84060

| PAGE NAME     | PAGE #    |
|---------------|-----------|
| Symbol Legend | 2         |
| DATE          | 6/12/2018 |
| DRAWN BY      | AVS       |



