




































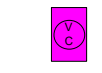



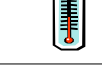


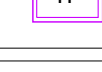
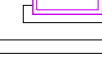


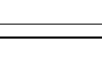
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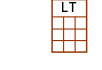


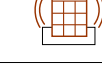


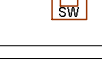
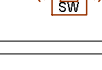
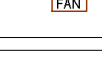
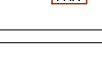


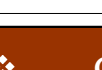



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

















AUDIO		
SYMBOL	DESCRIPTION	INFRASTRUCTURE WIRE
AUDIO DEVICES		
	6" In Ceiling Speaker Location	1 - 162 Speaker Cable 1 - 8" Sonance Round Speaker Ring Align With Lighting Fixtures, Evenly Spaced In Room
	6" Blind Wire In Ceiling Speaker	1 - 162 Speaker Cable Bury Speaker Cable Behind Drywall Align With Lighting Fixtures, Evenly Spaced In Room
	6" In Ceiling Speaker w/ Dual Voice Coil	1 - 164 Speaker Cable 1 - 8" Sonance Round Speaker Ring Align With Lighting Fixtures, Evenly Spaced In Room
	8" In Ceiling Speaker	1 - 162 Speaker Cable 1 - 8" Sonance Round Speaker Ring Align With Lighting Fixtures, Evenly Spaced In Room
	8" Blind Wire In Ceiling Speaker	1 - 162 Speaker Cable Bury Speaker Cable Behind Drywall Align With Lighting Fixtures, Evenly Spaced In Room
	8" In Ceiling Speaker w/ Dual Voice Coil	1 - 164 Speaker Cable 1 - 8" Sonance Round Speaker Ring Align With Lighting Fixtures, Evenly Spaced In Room
	Outdoor Speaker	1 - 162 Speaker Cable 3/16" Vinyl Zip Tie It To A Staple Near The Exit Point Try To Align With Outdoor Lighting Fixtures
	Outdoor Speaker w/ Dual Voice Coil	1 - 164 Speaker Cable 3/16" Vinyl Zip Tie It To A Staple Near The Exit Point Try To Align With Outdoor Lighting Fixtures
	6" In Wall Speaker	1 - 162 Speaker Cable 1 - 8" Sonance Rectangular Speaker Ring Spread Out In Room, Height Determined By Room Layout
	8" In Wall Speaker	1 - 162 Speaker Cable 1 - 8" Sonance Rectangular Speaker Ring Spread Out In Room, Height Determined By Room Layout
	In Wall Subwoofer	1 - 142 Speaker Cable 1 - 8" Specified Specialty Ring Or Back Box Mount Ring 12" Above Floor or Butt Box To Bottom Plate Of Wall
	In Ceiling Subwoofer	1 - 162 Speaker Cable 1 - 8" Sonance Round Speaker Ring Or Back Box Align With Lighting Fixtures Or If Used For A Surround Sound, Place Near Fronts
	6" Theater In Wall Speaker	1 - 142 Speaker Cable 1 - Check Proposal For Specified Speaker Ring/Back Box See Plans For Specifications & Layout
	8" Theater In Wall Speaker	1 - 142 Speaker Cable 1 - Check Proposal For Specified Speaker Ring/Back Box See Plans For Specifications & Layout
	Box Subwoofer	1 - 162 Speaker Cable 1 - Black R08 Quad Case Single Gang Backless Mud Ring Match Outlet Height With Electrical
	Box Speaker	1 - 162 Speaker Cable Single Gang Backless Mud Ring Match Outlet Height With Electrical
	Landscape Speaker System	2 - 164 Speaker Cable Single Gang Backless Mud Ring Match Outlet Height With Electrical
	Landscape Rock Speaker	1 - 162 Speaker Cable Single Gang Backless Mud Ring Match Outlet Height With Electrical
	Soundbar Speaker	3 - 162 Speaker Cable 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 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 1 - Single Gang Backless Mud Ring Match Outlet Height With Electrical
	Projector Location	1 - 2' Conduit@4' On Tube or 1 - Purple CAT5e, 1 - Green CAT5e, 1 - Blue CAT6, 1 - Black R08 Quad Case 1 - Single Gang Backless Mud Ring Center On Screen@8' @ Specified Distance
	Motorized Projection Screen	1 - Purple CAT5e, 1 - Green CAT5e Reference Wiring Plans for Infrastructure Specifications
	Satellite 6 Location	8 - Black R08 Quad Case, 2 - Blue CAT5e, 1 - 162 Speaker Cable Location TBD On-Site With Contractor
	Phone / Cable D-Mark Location	1 - Purple CAT5e, 1 - Green CAT5e Reference Wiring Plans for Infrastructure Specifications
	Closed Circuit Television Location (CCTV)	1 - Purple CAT5e, 1 - Green CAT5e Reference Wiring Plans for Infrastructure Specifications



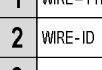


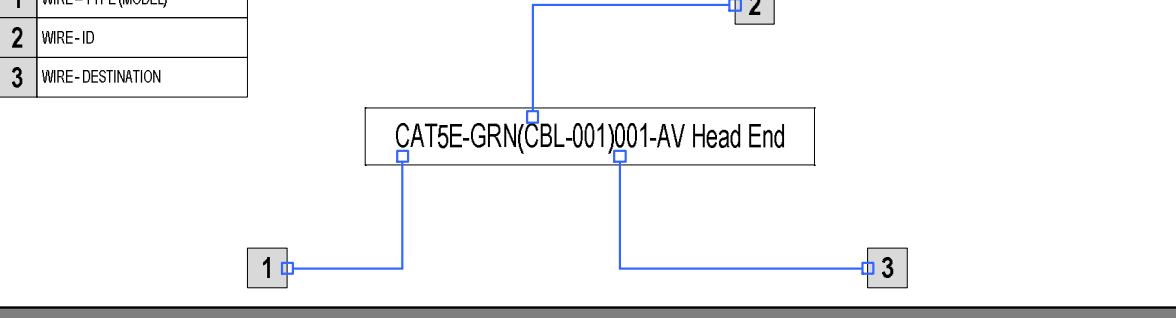
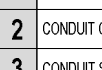


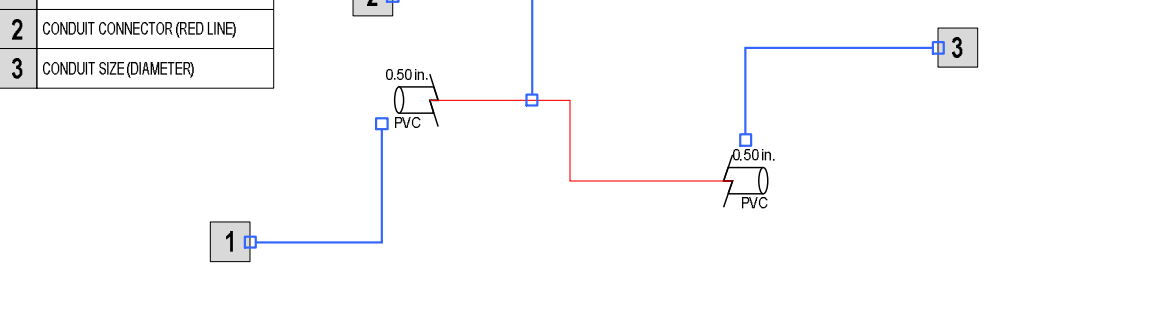


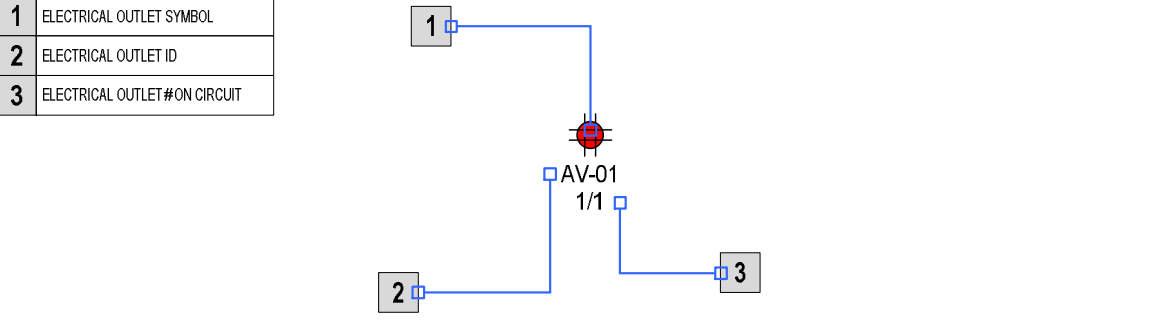
VOICE & DATA		
SYMBOL	DESCRIPTION	INFRASTRUCTURE WIRE
VOICE/DATA DEVICES		
	Wall Phone Location	1 - White CAT5e 1 - Single Gang Backless Mud Ring @ 60" To Center
	Phone and Data Location	1 - White CAT5e, 1 - Blue CAT5e 1 - Single Gang Backless Mud Ring, Match Outlet Height IW Electrical
	Wireless Voice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


CONTROL & USER INTERFACES		
SYMBOL	DESCRIPTION	INFRASTRUCTURE WIRE
CONTROL DEVICES		
	Touchpanel	1 - Pink CAT5e, 1 - Gray CAT5e 1 - Single Gang Backless Mud Ring @ 60" To Center Screw The Mud Ring Into The Side Of The Stud
	Door Station	1 - White CAT5e, 1 - Blue CAT6 1 - Single Gang Backless Mud Ring @ 60" To Center
	Volume Control	1 - Pink CAT5e, 1 - 164 Speaker Cable Speakers Must Loop Through Volume Control Location 1 - Single Gang Backless Mud Ring @ 60" To Center Screw The Mud Ring Into The Side Of The Stud
	Keypad	1 - Pink CAT5e, 1 - Gray CAT5e 1 - Single Gang Backless Mud Ring @ 60" To Center 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 1 - Single Gang Backless Mud Ring Reference Plans For Location
	HVAC Integration	1 - White CAT5e, 1 - Blue CAT5e 1 - Single Gang Backless Mud Ring Reference Plans For Location
	Security Integration	1 - White CAT5e, 1 - Blue CAT5e 1 - Single Gang Backless Mud Ring Reference Plans For Location
	Pool/Spa Integration	1 - White CAT5e, 1 - Blue CAT5e 1 - Single Gang Backless Mud Ring 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 60" To Center Align With Light Switches
	Siren	1 - 224 Security Cable 60" To Center Align With Light Switches
	Door Contact	1 - 224 Security Cable Locate Inside Door Frame
	Window Contact	1 - 224 Security Cable Locate Inside Window Frame
	Smoke Detector	1 - 184 Fire Cable Align With Lighting
	Carbon Monoxide (CO) Detector	1 - 184 Fire Cable Outlet Height Align With High Voltage
	Corner Motion Detector	1 - 224 Security Cable 60" To Center Place In Corner
	Overhead Door Contact	1 - 224 Security Cable 60" To Center Place Near Overhead Garage Door
	Flush Mount Motion Sensor	1 - 224 Security Cable 78" To Center See Plans For Location
	Ceiling Mount Motion Sensor	1 - 224 Security Cable Align With Lighting
	Freeze Sensor	1 - 224 Security Cable Outlet Height See Plans For Placement
	Flood Sensor	1 - 224 Security Cable Outlet Height See Plans For Placement
	Flow Valve Sensor Connection	1 - 184 Fire Cable See Plans For Placement Align With High Voltage
	Glass Break Sensor	1 - 224 Security Cable Align With Lighting
	Wireless Receiver	1 - 224 Security Cable 60" To Center Align With Light Switches
	RS-232 Module	1 - White CAT5e Cable Run From Home Automation System To Security Panel
	Security Panel / Security Head End	See Plans For Placement Align Security Panel Top To Electrical Panel
	Security Expansion Panel	See Plans For Placement 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 LINE	
	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		
MDR	MAIN DISTRIBUTION FRAME	
EDF	INTERMEDIATE DISTRIBUTION FRAME	
LEC	LOCAL EQUIPMENT CENTER	
HE	HEAD END	
PNEL	EQUIPMENT PANEL	
MPDE	MINIMUM POINT OF ENTRY (POINT OF DEMARCATION FOR OUTSIDE SERVICE PROVIDERS)	
PR	PULL BOX	
CSB	CONDUIT COLLECTION BOX	

SCHEMATIC KEY	
LINE FILE	DESCRIPTION
TEXT FIELD	AUDIO & VIDEO EQUIPMENT
TEXT FIELD	PHONE & DATA
TEXT FIELD	CLTV
TEXT FIELD	SWIMERS
TEXT FIELD	UNUSED
TEXT FIELD	UNUSED
TEXT FIELD	UNUSED
TEXT FIELD	UNUSED
TEXT FIELD	UNUSED
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AUDIO VIDEO SYSTEMS

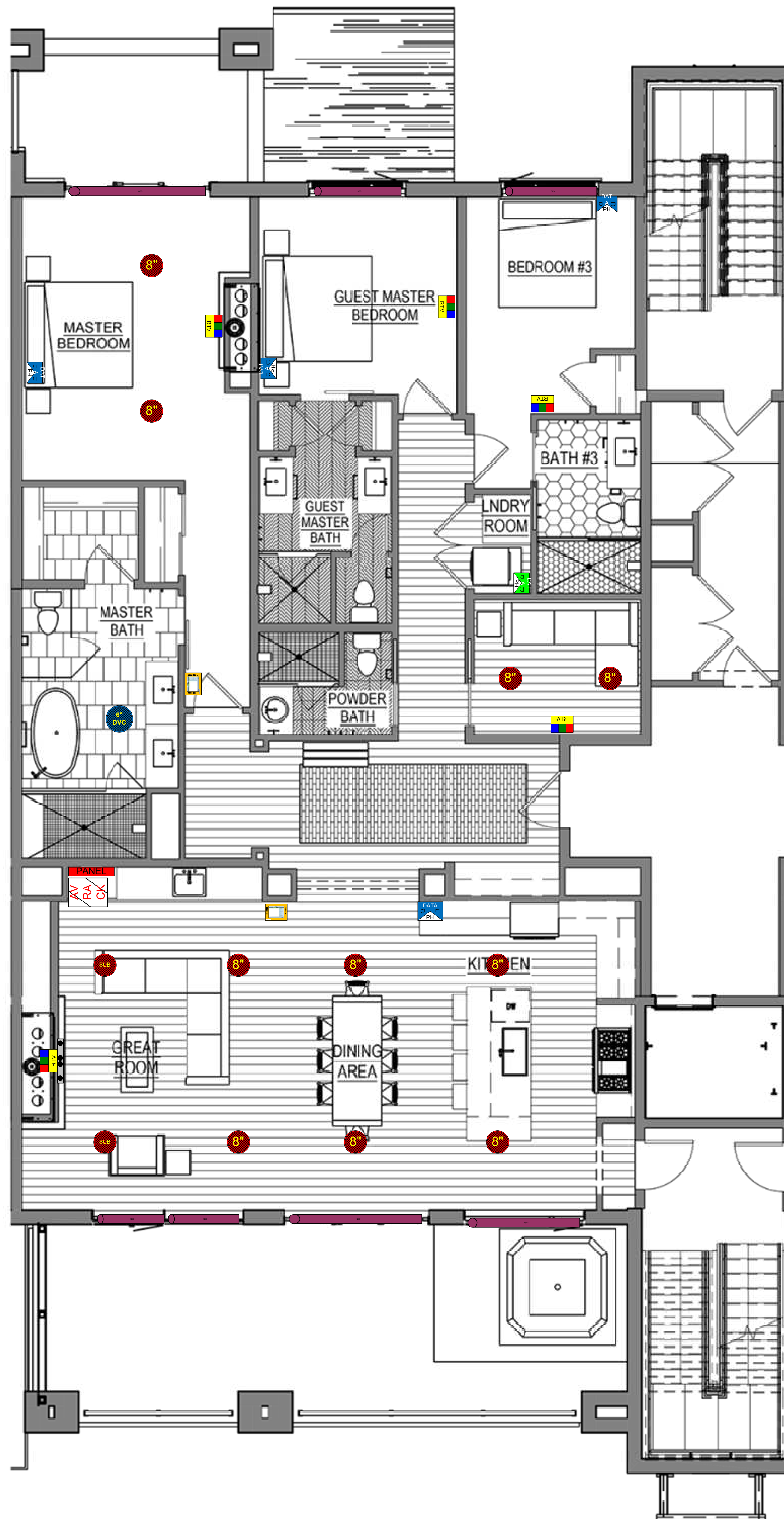
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MURRAY, UTAH 84107
OFFICE (801) 649 - 5200
FAX (801) 255-5039

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

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