

Cables Into, Out of, and Inside of Panel

v58

White/CN-Panel/2

No Connection X	Cable Label	Cable Class	Cable Style	Circuit Name(s)	Circuit ID & Load / Source Location - Or -	
					Panel or Device	
1	1A-S09	CL2	22-4 (S)	1A-S09, Room Temperature	Temp@BR 4/5 Bath	
Change	1A-S13	CL2	22-2 (S)	1A-S13, Hot Water Loop Temperature	1A-S13	BR 4/5 Bath
3	1C-A04	CL2	14-4	1C-A04, Panel LV Power Supply Input 1C-A19, Single-point Common	Red/CN-Panel/D	
4	1C-A05	CL2	22-4 (S)	1C-A05, Panel LV Power Supply Sense	Red/CN-Panel/D	
5	1C-A14	CL2	22-4 (S)	1C-A14, Cabinet Fan Drive 1C-S12, Cabinet Temperature	Red/GP-Panel	
6	1C-S09	CL2	22-10	1C-S09, BR 4/5 Bath: Doors (1A-S03/1B-S02) 1C-S11, Master Bath Doors (2B-S02 / 2A-S08) 1C-S14, BR 4/5 Bath: Motion (1A-S08) 1C-S15, Master Bath: Motion (1A-S07) 1C-S13, Master Closet Door	Red/CN-Panel/D	
7	1F-A04	CL2	14-4	1F-A04, Panel LV Power Supply 1F-A11, Single-point Common	Green/CN-Panel	
8	1F-A05	CL2	22-4 (S)	1F-A05, Panel LV Power Sense	Green/CN-Panel	
9	1F-A10	CL2	22-4 (S)	1F-A10, Cabinet Fan Drive 1F-S08, Cabinet Temperature	Green/GP-Panel	
Change	1G-A05	CL2	22-4	1G-A05, Lighting Xfer Switch - On 1G-A06, On-Generator Indicator 1G-A18, Lighting Xfer Switch - "Norm" Call	1G-A05	Blue Utility Area 1G-A06 Blue Utility Area 1G-A18 Blue Utility Area
11	1G-A07	CL2	22-8	1G-A07, Changing Room A Heater Control 1G-A08, Changing Room B Heater Control 1G-A09, Bedroom 2/3 Bath Heater Drive 1G-A10, Lounge: Outlet for Instant Hot 1G-A11, Bedroom 2/3 Bath: Towel Warmer Control	Blue/GP-Panel	
12	1G-A13	CL2	14-4	1G-A13, Blue Panel LV Power Supply 1G-A35, Single-point Common	Blue/CN-Panel/D	
13	1G-A14	CL2	22-4 (S)	1G-A14, Blue Panel LV Power Sense	Blue/CN-Panel/D	
14	1G-A16	CL2	18-2	1G-A16, 24 Vdc Power (Line)	Blue/CN-Panel/D	
15	1G-A17	CL2	22-2	1G-A17, Floor Heat Setback - BR 2/3 Bath	Blue/CN-Panel/D	
16	1G-A33	CL2	22-4 (S)	1G-A33, Cabinet Fan Drive 1G-S21, Cabinet Temperature	Blue/GP-Panel	
17	1G-A45	CL2	22-4	1G-A45, Shop Lighting Transfer Control	Blue/GP-Panel	
Change	1G-S16	CL2	22-8	1G-S16, Changing Room A: Door 1G-S17, Changing Room B: Door 1G-S18, BR 2/3 Bath Doors (2) 1G-S20, BR 2/3 Bath: Motion (2G-S13)	Blue/CN-Panel/D	
19	1H-S01	CL2	22-4 (S)	1H-S01, Room Temperature	Temp@Changing Room A	
20	1H-S02	CL2	22-4 (S)	1H-S02, Room Temperature	Temp@Changing Room B	
21	1H-S09	CL2	22-2 (S)	1H-S09, Hot Water Loop Temperature	1H-S09	Changing Room B
Change	1L-A01	CL2	22-4	1L-A01, Hot Water Recirc Pump (N) Control 1L-A02, Hot Water Recirc Pump (S) Control	White/GP-Panel/1	

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Change	1L-A03	CL2	22-4	1L-A03, Standby Lighting Drive 1L-A65, UPS Secondary Loads Drive	White/GP-Panel/1
24	1L-A04	CL2	18-2	1L-A04, 6 Vdc Supply	Yellow/XL-LVRB
25	1L-A08	CL2	18-2	1L-A08, Critical Power - White Panels (12 Vdc)	Yellow/XL-LVRB White/CN-Panel/1
26	1L-A09	CL2	22-4 (S)	1L-A09, Cabinet Fan Drive 1L-S13, Cabinet Temperature	Yellow/CN-Panel/H
Change	1L-A10	CL2	22-10	1L-A10, Load Group B Green LED 1L-A11, HVAC North Green LED 1L-A12, HVAC South Green LED 1L-A13, Water Heaters Red LED 1L-A14, Water Heaters Green LED 1L-A28, Load Group B Red LED 1L-A29, HVAC North Red LED 1L-A30, HVAC South Red LED	White/GP-Panel/1
28	1L-A15+	CL2	22-8	1L-A41, BR 4/5 Bath Heater Drive 1L-A42, Master Bath Heater Control 1L-A43, Upper Bath Heater Control 1L-A15, Master Bath: Towel Warmer Pump Drive 1L-A16, Instrument Heaters Control 1L-A17, Great Room: Fireplace Blower Drive	White/GP-Panel/1
Change	1L-A18	CL2	22-4	1L-A18, Great Room: Exhaust (Low Speed) 1L-A19, Great Room: Exhaust (High Speed)	White/GP-Panel/1
Change	1L-A40	CL2	22-4	1L-A40, Generator Transfer Active (NO) 1L-A52, Line Power Fail (NC)	Yellow/Gen-Xfer-Switch
New	1L-A55	CL2	22-4	1L-A55, spare 2 (LVRB to White/CN/2)	Yellow/XL-LVRB
Change	1L-A61	CL2	22-6	1L-A61, AC Mains Fail (NO) 1L-A62, Generator Fail (NO) 1L-A63, Standby Lights On (NO) 1L-A64, UPS Trouble (NC) 1L-A74, Emerg Power Control Trouble (EPC)	White/CN-Panel/1
Change	1L-A66	CL2	22-4	1L-A66, Dark Outside (NO) 1L-A67, Emerg Lights Manual (NO) 1L-A68, Emerg Lights On (NO)	White/CN-Panel/1
Change	1L-A69	CL2	22-6	1L-A69, UPS On-battery (NO) 1L-A70, UPS Low Battery (NO) 1L-A71, UPS Trouble (NO) 1L-A72, UPS Overload (NO)	White/E-Rack/2
Change	1L-A82	CL2	22-8	1L-A82, Floor Heat Enable - Garage/Shop 1L-A115, Floor Heat Enable - Interior 1L-A116, Floor Heat Enable - Master Bath	Yellow/CN-Panel/H
36	1L-A08a	CL2	18-2	1L-A08a, White/CN 2: 12 Vdc Power (UPS)	
37	1L-A101	CL2	22-2	1L-A101, Power Fault - Blue 12 vdc (powerMod 3)	
38	1L-A102	CL2	22-2	1L-A102, Power Fault - Green 12 vdc (powerMod 2)	
39	1L-A103	CL2	22-2	1L-A103, Power Fault - Orange 12 vdc (powerMod 4)	

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	40 1L-A104	CL2	22-2	1L-A104, Power Fault - Red 12 vdc (powerMod 1)	
	41 1L-A105	CL2	22-2	1L-A105, Power Fault - 18 vdc (powerMod 6-1)	
	42 1L-A106	CL2	22-2	1L-A106, Power Fault - 24 vdc (powerMod 6-2)	
	43 1L-A107	CL2	22-2	1L-A107, Power Fault - powerPac Fan Fail	
	44 1L-A109	CL2	22-2	1L-A109, Power Fault - White 12 vdc (powerMod 5)	
	45 1L-A110	CL2	18-2	1L-A110, 24 Vdc Power - EC; HWC; Fan (Line)	White/CN-Panel/1
	46 1L-A111	CL2	18-2	1L-A111, 12 Vdc Down Spout Power (UPS Powered)	White/CN-Panel/1
X	1L-A112	CL2	18-2	1L-A112, spare (White CN/1 to White CN/2)	White/CN-Panel/1
	48 1L-A113	CL2	18-2	1L-A113, 15Vdc M1G Backup Power (UPS)	White/CN-Panel/1
	49 1L-A118	CL2	22-10	1L-A118, #Heater Set On - Master Bath 1L-A119, #Heater Set On - BR 2/3 Bath 1L-A120, #Heater Set On - BR 4/5 Bath 1L-A121, #Great-Room-Hotter-Than-Outside 1L-A122, #Great-Room-Hotter-Than-85 1L-A123, #Vacation 1L-A124, #Heating-Season 1L-A125, #Portal-Is-Open	
Change	1L-A126	CL2	22-4	1L-A126, #Fire-Alarm-Active 1L-A169, #Guests Present 1L-A170, #spare 1 - M1G-NC	
	51 1L-A127	CL2	22-4	1L-A127, #Outside-Temp-Above-60 1L-A128, #Enable-Frost-Protection 1L-A171, #Precipitation-Present	White/CN-Panel/6
	52 1L-A129	CL2	22-8	1L-A129, #Changing Room A Over-Temp 1L-A130, #Changing Room B Over-Temp 1L-A131, #BR 2/3 Bath Over-Temp 1L-A132, #BR 4/5 Bath Over-Temp 1L-A133, #Master Bath Over-Temp 1L-A134, #Upper Bath Over-Temp	
New X	1L-A135	CL2	22-4	1L-A135, spare 1 (LVRB to White/CN/2)	Yellow/XL-LVRB
	54 1L-A140	CL2	22-2	1L-A140, Trouble - Critical Power Supply	White/CN-Panel/1
Change	1L-A141	CL2	22-8	1L-A141, #Heating-Season-L 1L-A142, #spare 1 - M1G - Fan Direction 1L-A163, #spare 2 - M1G - Fan Direction	Yellow/CN-Panel/2
	56 1L-A143	CL2	22-4 (S)	1L-A143, Cabinet Fan Drive 1L-S08, Cabinet Temperature	White/GP-Panel/3
	57 1L-A144	CL2	22-4 (S)	1L-A144, Cabinet Fan Drive 1L-S09, Cabinet Temperature	
	58 1L-A145	CL2	22-4 (S)	1L-A145, Cabinet Fan Drive 1L-S10, Cabinet Temperature	White/GP-Panel/1
	59 1L-A146	CL2	22-4 (S)	1L-A146, Cabinet Fan Drive 1L-S11, Cabinet Temperature	White/CN-Panel/3

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60	1L-A147	CL2	22-4 (S)	1L-A147, Cabinet Fan Drive 1L-S12, Cabinet Temperature	White/CN-Panel/6
61	1L-A149	CL2	18-2	1L-A149, 24 Vdc Power (UPS)	
62	1L-A150	CL2	22-4	1L-A150, Cabinet Fan Alarm 1L-A151, Cabinet Fan Trouble	White/CN-Panel/1
63	1L-A152	CL2	22-4	1L-A152, Bathroom Heating Alarm 1L-A153, Bathroom Heating Trouble	White/CN-Panel/1
64	1L-A157	CL2	18-2	1L-A157, 12 vdc Power - Energy Controls (Line)	
Change X	1L-A158	CL2	22-2	1L-A158, Floor Heat. BR 2/3 Bath Enable	
66	1L-A166	CL2	16-2	1L-A166, M1G Prime (AC) Power (UPS)	White/CN-Panel/1
67	1L-A167	CL2	22 Wire	1L-A167, Fan Controller 1 Alarm	
68	1L-A168	CL2	22 Wire	1L-A168, Fan Controller 1 Trouble	
Change	1L-A172	CL2	22-4	1L-A172, HVAC Call - Upper 1L-A173, HVAC Call - North 1L-A174, HVAC Call - South	Yellow/CN-Panel/H
New	1L-A185	CL2	22-8	1L-A185, Button LED; Changing Room A 1L-A188, Button LED; Changing Room B 1L-A197, Button LED; BR 2/3 Bath 1L-A198, Button LED; BR 4/5 Bath 1L-A199, Button LED; Master Bath 1L-A200, Button LED; Upper Bath 1L-A201, Button LED; Great Room Exhaust	
New	1L-A186	CL2	22-6	1L-A186, HVAC Upper Green LED 1L-A187, Off-Peak HVAC Upper Drive; Off 1L-A204, Water Heaters - Enable 1L-A205, Group B Loads Enable	White/GP-Panel/1
Change	1L-A189	CL2	22-10	1L-A191, Changing Room A Heater Call (Toggle) 1L-A192, Changing Room B Heater Control 1L-A190, BR 2/3 Bath Heater Control 1L-A193, BR 4/5 Bath Heater Call (Toggle) 1L-A194, Master Bath Heater Call (Toggle) 1L-A189, Upper Bath Heater Call (Toggle) 1L-A195, Great Room Exhaust Toggle 1L-A196, Great Room Exhaust Off Call	
New	1L-A202	CL2	22-2	1L-A202, Heater Button Adapter Power	
New	1L-A203	CL2	22 Wire	1L-A203, Hot Water Circulation - Armed	
New	1L-A206	CL2	22-6	1L-A206, HVAC North Enable (ext) 1L-A207, HVAC South Enable (ext) 1L-A208, HVAC Upper Enable (ext)	White/GP-Panel/1
New	1L-A212	CL2	22-4	1L-A212, Call - Load Group B 1L-A217, Call - Water Heaters	Yellow/CN-Panel/H
New	1L-A218	CL2	22-2	1L-A218, HVAC Call - Any	White/CN-Panel/1
X	1L-C51	CL2	18-4	1L-C51, spare White/CN1 to White CN/2	White/CN-Panel/1

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	79 2B-S08	CL2	22-4 (S)	2B-S08, Room Temperature	Temp@Master Bath	
	80 2C-S02	CL2	22-4	2C-S02, Fireplace Valve Monitor (Signal) 2C-P02, Fireplace Valve Monitor (Power)	Fireplace@Great Room	
Change	2D-A03	CL2	22-4	2D-A03, Lighting Xfer Switch "On" Call 2D-A04, Lighting Xfer Switch Norm 2D-A05, On-Generator Indicator	2D-A03 Kitchen 2D-A04 Kitchen 2D-A05 Kitchen	
	82 2G-S10	CL2	22-4 (S)	2G-S10, Room Temperature	Temp@BR 2/3 Bath	
	83 2H-A01	CL2	14-4	2H-A01, Panel LV Power Supply 2H-A30, Single-point Common	Orange/CN-Panel/L	
	84 2H-A02	CL2	22-4 (S)	2H-A02, Panel LV Power Sense	Orange/CN-Panel/L	
	85 2H-A08	CL2	22-4	2H-A08, Floor Heat Setback - Upper Bath 2H-A09, Bathroom Window Close Call	Orange/CN-Panel/L	
	86 2H-A23	CL2	22-4 (S)	2H-A23, Cabinet Fan Drive 2H-S07, Cabinet Temperature	Orange/GP-Panel	
X	2H-A24	CL2	22-12	2H-A24, spare	Orange/CN-Panel/L	
	88 2H-A26	CL2	22-2	2H-A26, Upper Bath Window Open Status	Orange/CN-Panel/L	
	89 2H-A35>39	CL2	22-8	2H-A35, Kitchen Lighting Transfer Control 2H-A36, Garage Lighting Transfer Control 2H-A37, Upper Bar Lighting Transfer Drive 2H-A38, Lakeside Room Lighting Transfer Drive 2H-A39, Upper Bath Lighting Transfer Drive	Orange/GP-Panel	
	90 2H-A41	CL2	18-2	2H-A41, Vehicle Detector - Power	Orange/CN-Panel/L	
	91 2H-A66	CL2	22-6	2H-A66, Lighting Xfer Switch - On 2H-A67, On-Generator Indicator 2H-A10, Lighting Xfer Switch - Norm Call	2H-A10 Garage	Orange/CN-Panel/L
	92 2H-S03	CL2	22-4	2H-S03, Upper Bath: Door (3A-S69)	Orange/CN-Panel/L	
Change	2L-A04	CL2	22-4	2L-A04, Off-Peak Relay; West "Orange" 2L-A05, Off-Peak Relay; West "Blue"	2L-A04 North Yard 2L-A05 North Yard	
Change	2L-A06	CL2	22-4	2L-A06, Off-Peak Relay; East "Orange" 2L-A07, Off-Peak Relay; East "Blue"	2L-A06 North Yard 2L-A07 North Yard	
	95 3A-A03	CL2	22-4 (S)	3A-A03, Cabinet Fan Drive 3A-S05, Cabinet Temperature	Gold/GP-Panel	
Change	3A-A87	CL2	22-12	3A-A87, Lakeside Lighting Xfer Switch - On 3A-A88, Bar Lighting Xfer Switch - On 3A-A89, On-Generator Indicator 3A-A04, Bar Lighting Xfer Switch - Norm Call 3A-A05, Lakeside Xfer Switch - "Norm"	Orange/CN-Panel/L	
Change	3A-A90	CL2	22-6	3A-A90, Lighting Xfer Switch - On 3A-A91, On-Generator Indicator 3A-A06, Lighting Xfer Switch - Norm	Orange/CN-Panel/L	
	98 3A-S73	CL2	22-4 (S)	3A-S73, Room Temperature	Temp@Upper Bath	

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Cable Label	Cable Class	Cable Style	Circuit Name(s)		
Change 1C-A29	UTP	Cat 5 (XL-B)	1C-A31, Button 1A-C.1 (ext 1) 1C-A29, Button 1A-D.1 (ext 1)		Red/XL-Dim/1
Change 1C-A30	UTP	Cat 5 (XL-B)	1C-A30, Button 2B-A.1 (ext 1)		Red/XL-Dim/2
101 1L-A20	UTP	Cat 5e	1L-A20, BR 4/5 Bath - Towel Warmer Call 1L-A21, Instant Hot - Kitchen Call 1L-A22, Bathroom Vents - All On Call 1L-A23, Bathroom Vents - All Off Call 1L-A24, All Lights Off; MCP 1		White/XL-Dim
Change 1L-A180	UTP	Cat 5 (XL-B)	1L-A180, Button 3A-D.1 (ext 2) 1L-A184, Button 2G-C.1 (ext 2) 1L-A182, Button 1H-A.1 (ext 2) 1L-A183, Button 1H-B.1 (ext 2)		White/CN-Panel/7
Change 1L-A181	UTP	Cat 5 (XL-B)	1L-A181, Button 2C-FR.8 (ext 1)		White/XL-Dim
104 1L-C08	UTP	Cat 6 (568)	1L-C08, LAN (Tier 1 to White/CN 2 Jack)		White/E-Rack/2
105 1L-C14	UTP	Cat 5 (M1)	1L-C14, M1G Data Bus - Output Expander CN/2 (05)		White/CN-Panel/1
106 2H-A05>07	UTP	Cat 5e	2H-A05, Instant Hot Call - Upper Bar 2H-A06, Bathroom Vents - All On Call 2H-A07, Bathroom Vents - All Off Call		Orange/XL-Dim/1
107 2H-A11>17	UTP	Cat 5e	2H-A11, All Lights Off; MCP 2 2H-A12, Shop Light; Emerg Command On 2H-A13, Kitchen Light; Emerg Command On 2H-A14, Garage Light; Emerg Command On 2H-A15, Upper Bar Light; Emerg Command On 2H-A16, Lakeside Room Light; Emerg Command On 2H-A17, Upper Bath Light; Emerg Command On		Orange/XL-Dim/1
Change 1L-37	Power	14-2	1L-37, White & Yellow Panels - Line Power		White/XL-Dim Yellow/CB-Panel/Line Yellow/XL-FSCB Yellow/XL-HVRB Yellow/XL-LVRB White/CN-Panel/1 White/CN-Panel/3 White/CN-Panel/5 White/CN-Panel/6 White/CN-Panel/7 Yellow/CN-Panel/2
Change 1L-42	Power	14-2	1L-42, UPS Primary Load (Security)		White/E-Rack/2