

SAMPLE RESIDENCE

ANYTOWN, USA

AUDIO VISUAL SYSTEMS DRAWINGS

DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE
	GENERAL
AV-0.0	DRAWING LIST
	FLOOR PLANS
AV-1.0	AV DEVICE PLAN - LOWER LEVEL
AV-1.1	AV DEVICE PLAN - MAIN LEVEL
AV-1.2	AV DEVICE PLAN - UPPER LEVEL
	ELEVATIONS & DETAILS
AV-3.1	ELEVATIONS - THEATER 102
AV-3.2	ELEVATIONS - GREAT ROOM 201, GAME ROOM 103
AV-3.3	ELEVATIONS - TYPICAL DISPLAY WALL, TOUCH SCREEN, KEYPAD, DOOR STATION
	SIGNAL FLOW DIAGRAMS
AV-4.0	SIGNAL FLOW DIAGRAM - RACK RK-101
AV-4.1	SIGNAL FLOW DIAGRAM - RACK RK-102
AV-4.2	SIGNAL FLOW DIAGRAM - FIELD - SURROUND ROOMS (1 OF 2)
AV-4.3	SIGNAL FLOW DIAGRAM - FIELD - SURROUND ROOMS (2 OF 2)
AV-4.4	SIGNAL FLOW DIAGRAM - FIELD DEVICES - LOWER LEVEL
AV-4.5	SIGNAL FLOW DIAGRAM - FIELD DEVICES - MAIN LEVEL (1 OF 2)
AV-4.6	SIGNAL FLOW DIAGRAM - FIELD DEVICES - MAIN LEVEL (2 OF 2)
AV-4.7	SIGNAL FLOW DIAGRAM - FIELD DEVICES - UPPER LEVEL
	SCHEDULES & RACK ELEVATIONS
AV-5.0	CABLE SCHEDULE - LOWER LEVEL AND RACKS
AV-5.1	CABLE SCHEDULE - MAIN LEVEL
AV-5.2	CABLE SCHEDULE - UPPER LEVEL
AV-5.3	RACK ELEVATION - RK-101 A/V ROOM 101
AV-5.4	RACK ELEVATION - RK-102 A/V ROOM 101

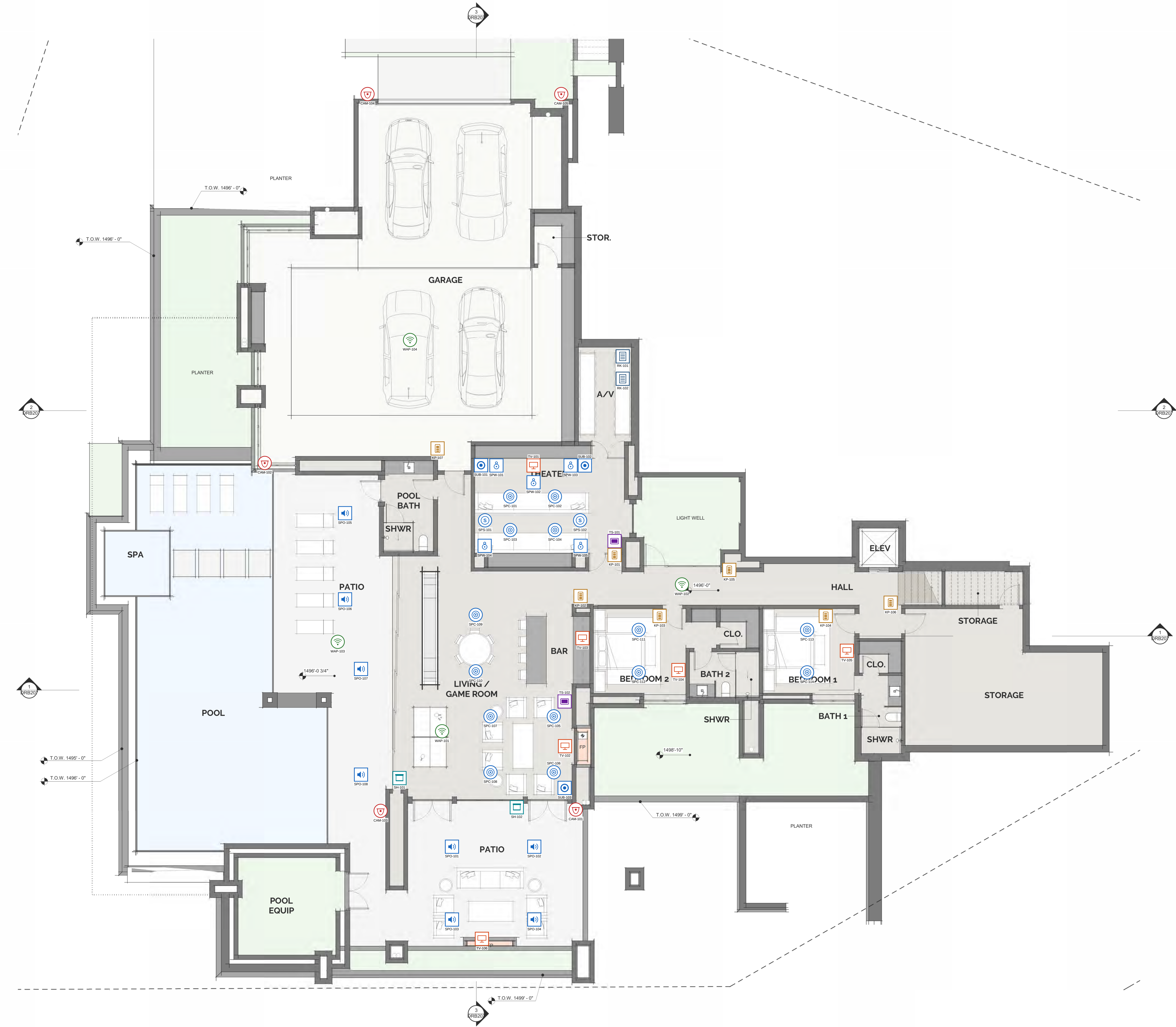
REVISIONS

REV.	YYYY/MM/DD	DESCRIPTION
1	2026/10/03	FOR REVIEW
2		
3		
4		
5		
6		
7		
8		
9		
10		

DRAWN BY	J. MCNEELY
CHECKED BY	
PROJECT NO.	
SHEET SIZE	ARCH D (24X36)

CLIENT
SAMPLE RESIDENCE SAMPLE PROJECT
ADDRESS
ANYTOWN, USA
PROJECT
CONTROL4 SMART HOME
PREPARED BY
 INTEGRATOR DRAFTWORKS AV SYSTEM DRAFTING (505) 527-2959 INTEGRATORDRAFTWORKS.COM JAMESAVDRAFTING@GMAIL.COM © 2026 INTEGRATOR DRAFTWORKS ORIGINAL WORK - DO NOT COPY OR REUSE WITHOUT WRITTEN PERMISSION
DESCRIPTION
AUDIO VISUAL SYSTEMS

SYSTEM SUMMARY
VIDEO - BINARY MOIPAV-4.0
SURROUND - SONY RECEIVERSAV-4.0, 4.2
AUDIO - TRIADAV-4.1
CONTROL - CONTROL4AV-4.1
NETWORK - ARAKNISAV-4.1
CAMERAS - LUMA AV-4.1
ISSUE INFO
DATE ISSUED2026/10/03
STATUS
PRELIMINARY NOT FOR CONSTRUCTION STATUS CHANGES WITH "ISSUED FOR" BELOW
ISSUED FOR
☒ REVIEW☐ COORDINATION ☐ CONSTRUCTION☐ AS-BUILT
SHEET TITLE
DRAWING LIST
AV - 0.0
SHEET 1 OF 20



AV EQUIPMENT LEGEND				
SYMBOL	TAG	DESCRIPTION	MODEL	MOUNTING
	SPC-1nn (14)	IN-CEILING LOUDSPEAKER 6.5 IN.	TRIAD TS-IC63	CEILING, FLUSH
	SPW-1nn (5)	IN-WALL LOUDSPEAKER (LCR / SURROUND)	TRIAD TS-PDX-1W64-LCR	IN WALL, FLUSH
	SPS-1nn (2)	IN-CEILING LOUDSPEAKER 6.5 IN. (SIDE SURROUND)	TRIAD TS-IC63	CEILING, FLUSH
	SUB-1nn (2)	SUBWOOFER	TRIAD - VERIFY MODEL	FLOOR / IN WALL
	SPO-1nn (8)	OUTDOOR LOUDSPEAKER 6.5 IN.	TRIAD TS-0026	SURFACE, UNDER EAVE / LANDSCAPE
	TV-1nn (1)	115 IN. FLAT PANEL DISPLAY (OFE)	OWNER FURNISHED	WALL, FIXED MOUNT
	TV-1nn (5)	FLAT PANEL DISPLAY (OFE)	OWNER FURNISHED	WALL, TILT MOUNT
	TS-1nn (2)	IN-WALL TOUCH SCREEN 8 IN.	CONTROL4 C4-T5W8	WALL, 54" AFF TO CENTER
	KP-1nn (7)	LUX KEYPAD DIMMER (WIRELESS)	CONTROL4 C4-L-KDS	WALL, 48" AFF TO CENTER
	SH-1nn (2)	MOTORIZED ROLLER SHADE	BY SHADE VENDOR	WINDOW HEAD POCKET
	WAP-1nn (4)	WI-FI 7 ACCESS POINT	ARAKNIS AN-830-AP-I	CEILING
	CAM-1nn (5)	IP TURRET CAMERA 8 MP	LUMA LUM-820-IP-TFW	SOFFIT / WALL
	RK-1nn (2)	EQUIPMENT RACK 35 RU	MIDDLE ATLANTIC ERK-3525	FLOOR, CBS-ERK-25 CASTER BASE

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SHEET TITLE



AV EQUIPMENT LEGEND				
SYMBOL	TAG	DESCRIPTION	MODEL	MOUNTING
	SPC-2nn (20)	IN-CEILING LOUDSPEAKER 6.5 IN.	TRIAD TS-IC63	CEILING, FLUSH
	SUB-2nn (1)	SUBWOOFER	TRIAD - VERIFY MODEL	FLOOR / IN WALL
	SPO-2nn (6)	OUTDOOR LOUDSPEAKER 6.5 IN.	TRIAD TS-OD28	SURFACE, UNDER EAVE / LANDSCAPE
	TV-2nn (5)	FLAT PANEL DISPLAY (CPE)	OWNER FURNISHED	WALL, TILT MOUNT
	TS-2nn (4)	IN-WALL TOUCH SCREEN 8 IN.	CONTROL4 C4-TS9W8	WALL, 54" AFF TO CENTER
	KP-2nn (13)	LUX KEYPAD DIMMER (WIRELESS)	CONTROL4 C4-L-KDS	WALL, 48" AFF TO CENTER
	SH-2nn (6)	MOTORIZED ROLLER SHADE	BY SHADE VENDOR	WINDOW HEAD POCKET
	WAP-2nn (5)	WI-FI 7 ACCESS POINT	ARAKNIS AN-830-AP-1	CEILING
	CAM-2nn (6)	IP TURRET CAMERA 8 MP	LUMA LUM-823-IP-TFW	SOFFIT / WALL
	DS-2nn (1)	VIDEO DOOR STATION	CONTROL4 C4-DS2FMKP	WALL, 48" AFF TO CENTER

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CAMERAS - LUMA	AV-4.1

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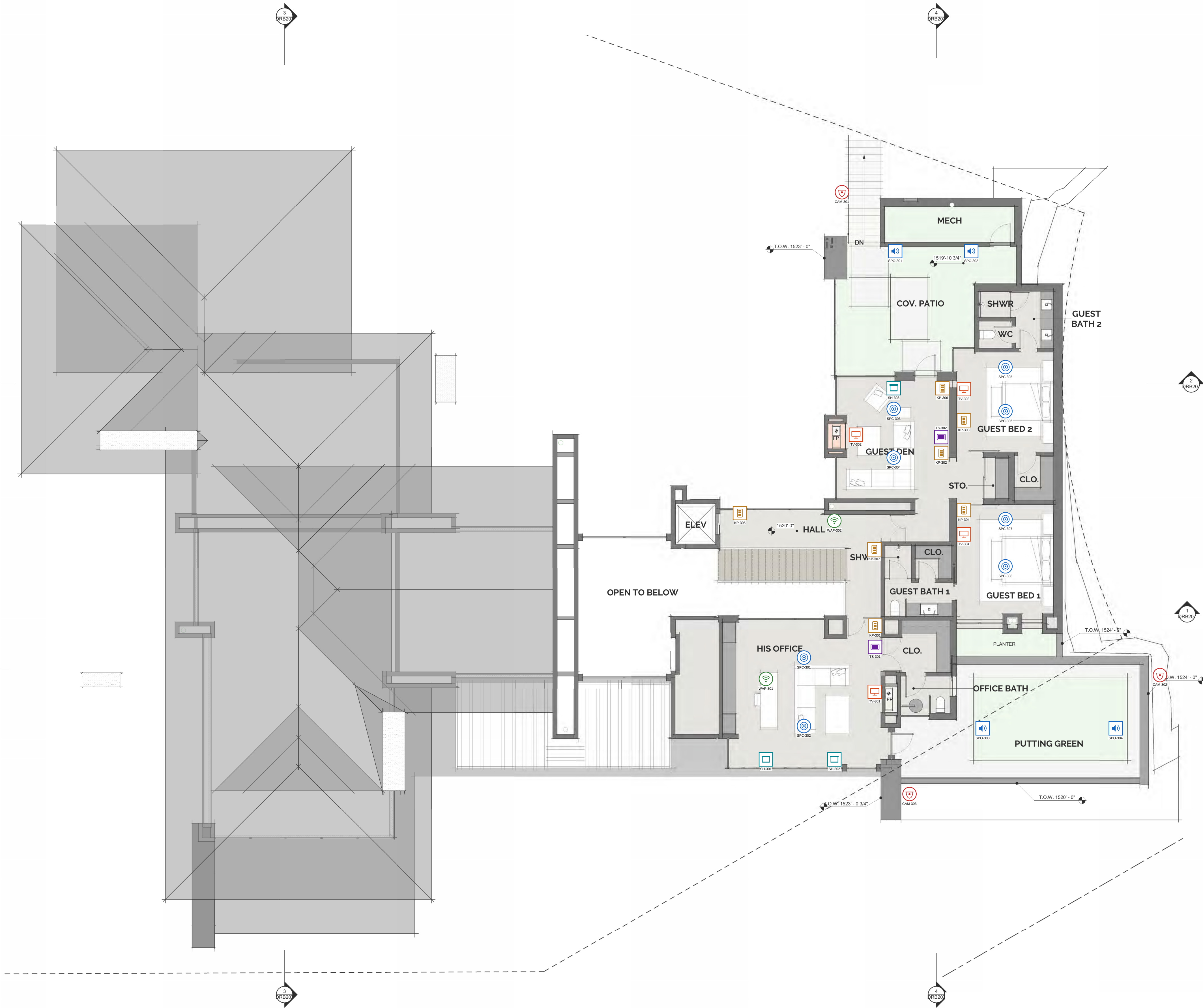
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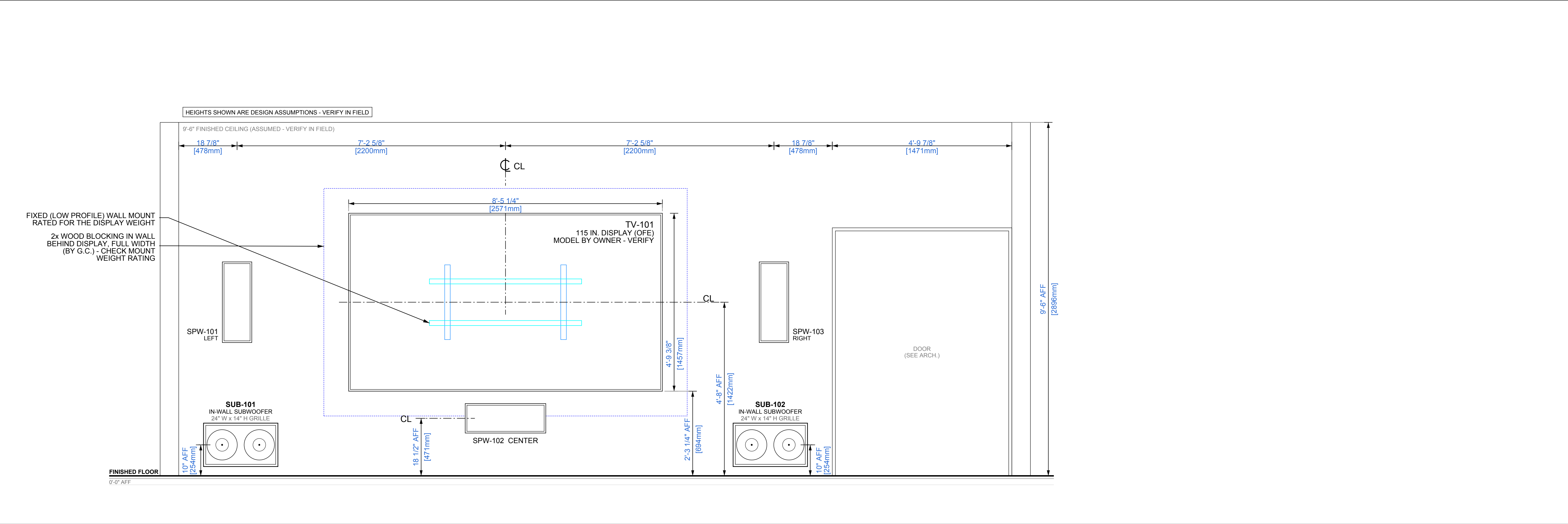
SHEET TITLE



AV EQUIPMENT LEGEND				
SYMBOL	TAG	DESCRIPTION	MODEL	MOUNTING
	SPC-3nn (8)	IN-CEILING LOUDSPEAKER 6.5 IN.	TRIAD TS-IC63	CEILING, FLUSH
	SPO-3nn (4)	OUTDOOR LOUDSPEAKER 6.5 IN.	TRIAD TS-0026	SURFACE, UNDER EAVE / LANDSCAPE
	TV-3nn (4)	FLAT PANEL DISPLAY (OFE)	OWNER FURNISHED	WALL, TILT MOUNT
	TS-3nn (2)	IN-WALL TOUCH SCREEN 8 IN.	CONTROL4 C4-TS0W8	WALL, 54" AFF TO CENTER
	KP-3nn (7)	LUX KEYPAD DIMMER (WIRELESS)	CONTROL4 C4-L-KDS	WALL, 48" AFF TO CENTER
	SH-3nn (3)	MOTORIZED ROLLER SHADE	BY SHADE VENDOR	WINDOW HEAD POCKET
	WAP-3nn (2)	WI-FI 7 ACCESS POINT	ARAKNIS AN-830-AP-I	CEILING
	CAM-3nn (3)	IP TURRET CAMERA 8 MP	LUMA LUM-820-IP-TFW	SOFFIT / WALL

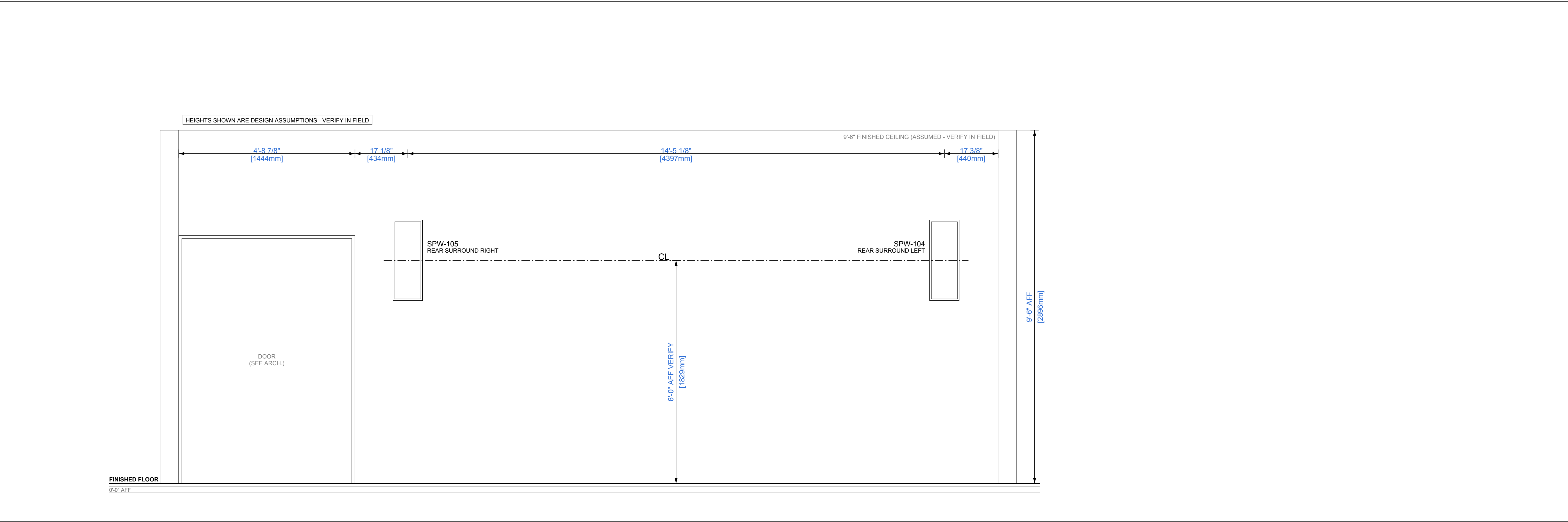
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CAMERAS - LUMA	AV-4.1
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SHEET TITLE	
AV DEVICE PLAN UPPER LEVEL	
AV - 1.2	
SHEET 4 OF 20	



1 THEATER 102 NORTH WALL (SCREEN WALL) - TV-101, SPW-101 TO SPW-103, SUB-101 / SUB-102

AV-3.1 SCALE: 3/4" = 1'-0"

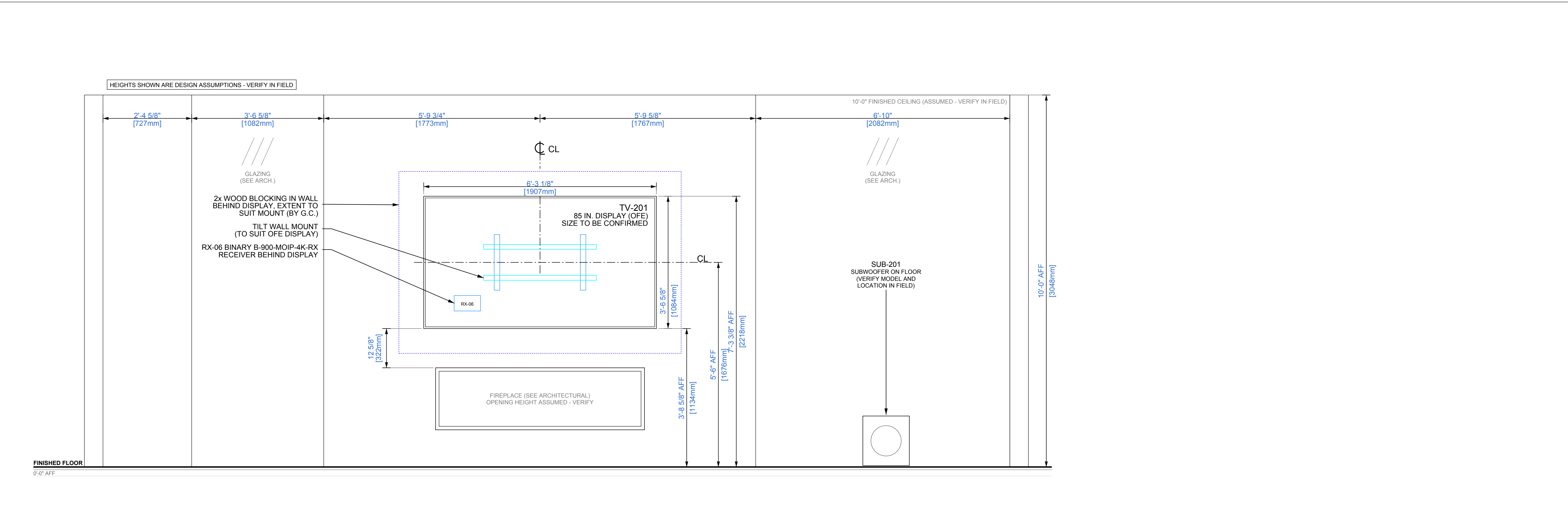


2 THEATER 102 SOUTH WALL (REAR) - REAR SURROUNDS SPW-104 / SPW-105

AV-3.1 SCALE: 3/4" = 1'-0"

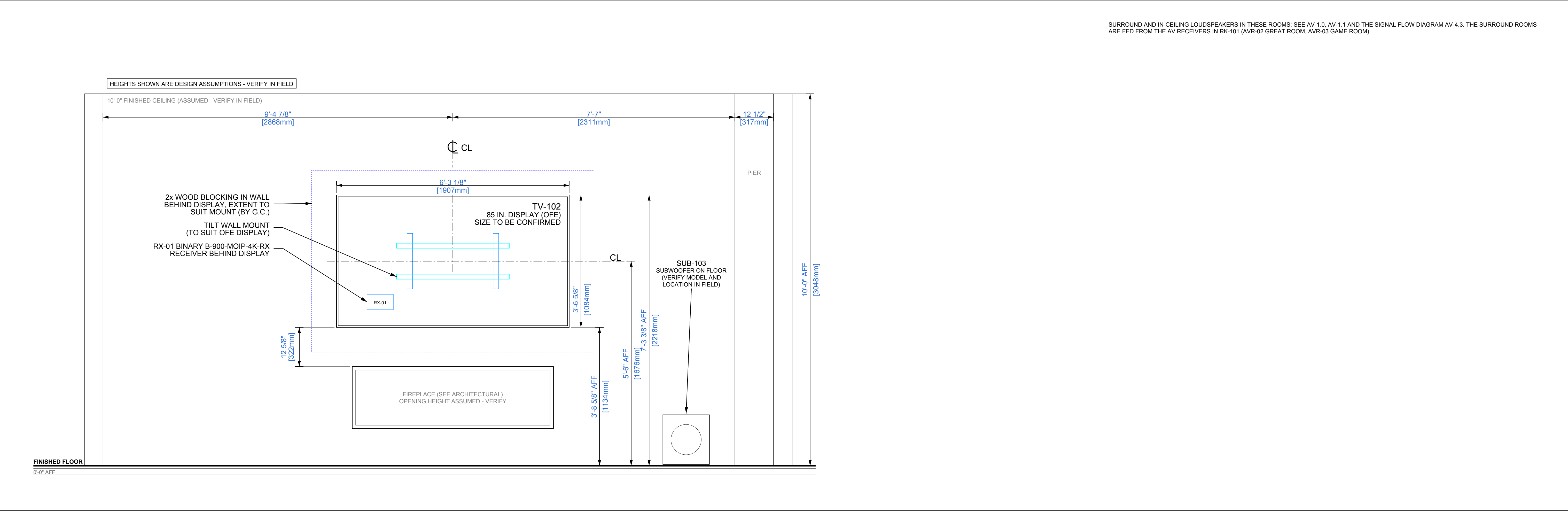
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CAMERAS - LUMA	AV-4.1
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SHEET TITLE	
ELEVATIONS THEATER 102	
AV - 3.1	
SHEET 5 OF 20	



1 GREAT ROOM 201 DISPLAY WALL ABOVE FIREPLACE (EAST) - TV-201, RX-06, SUB-201

SCALE: 3/4" = 1'-0"



2 GAME ROOM 103 DISPLAY WALL ABOVE FIREPLACE (EAST) - TV-102, RX-01, SUB-103

SCALE: 3/4" = 1'-0"

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NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1

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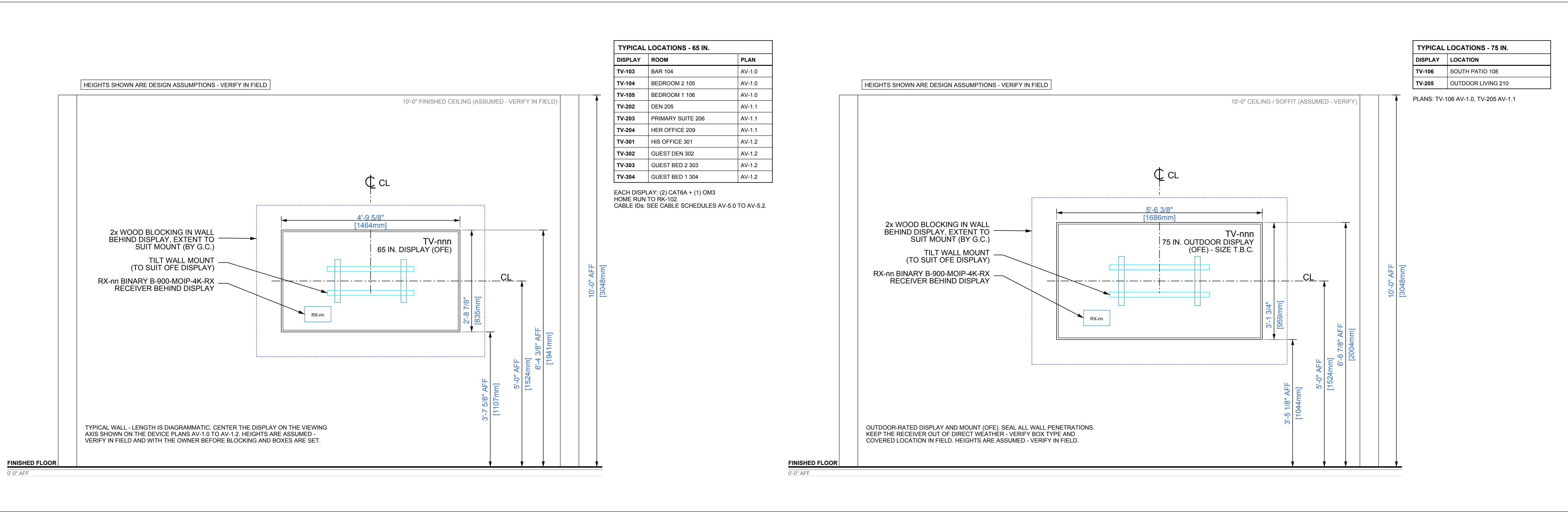
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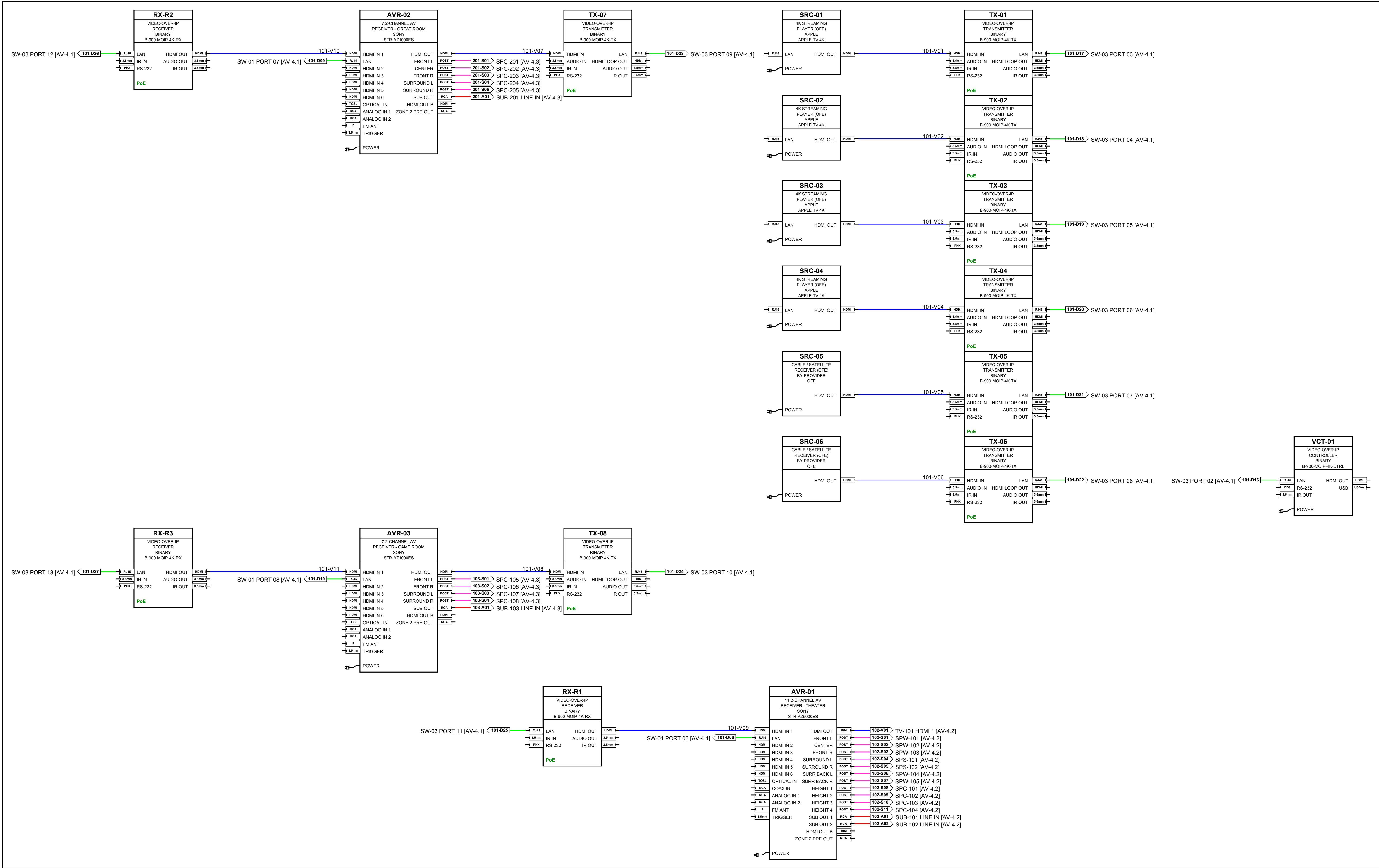
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☐ CONSTRUCTION	☐ AS-BUILT

SHEET TITLE

ELEVATIONS
GREAT ROOM 201 AND
GAME ROOM 103





RACK RK-101 - A/V ROOM 101

CLIENT

SAMPLE RESIDENCE
SAMPLE PROJECT

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NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1

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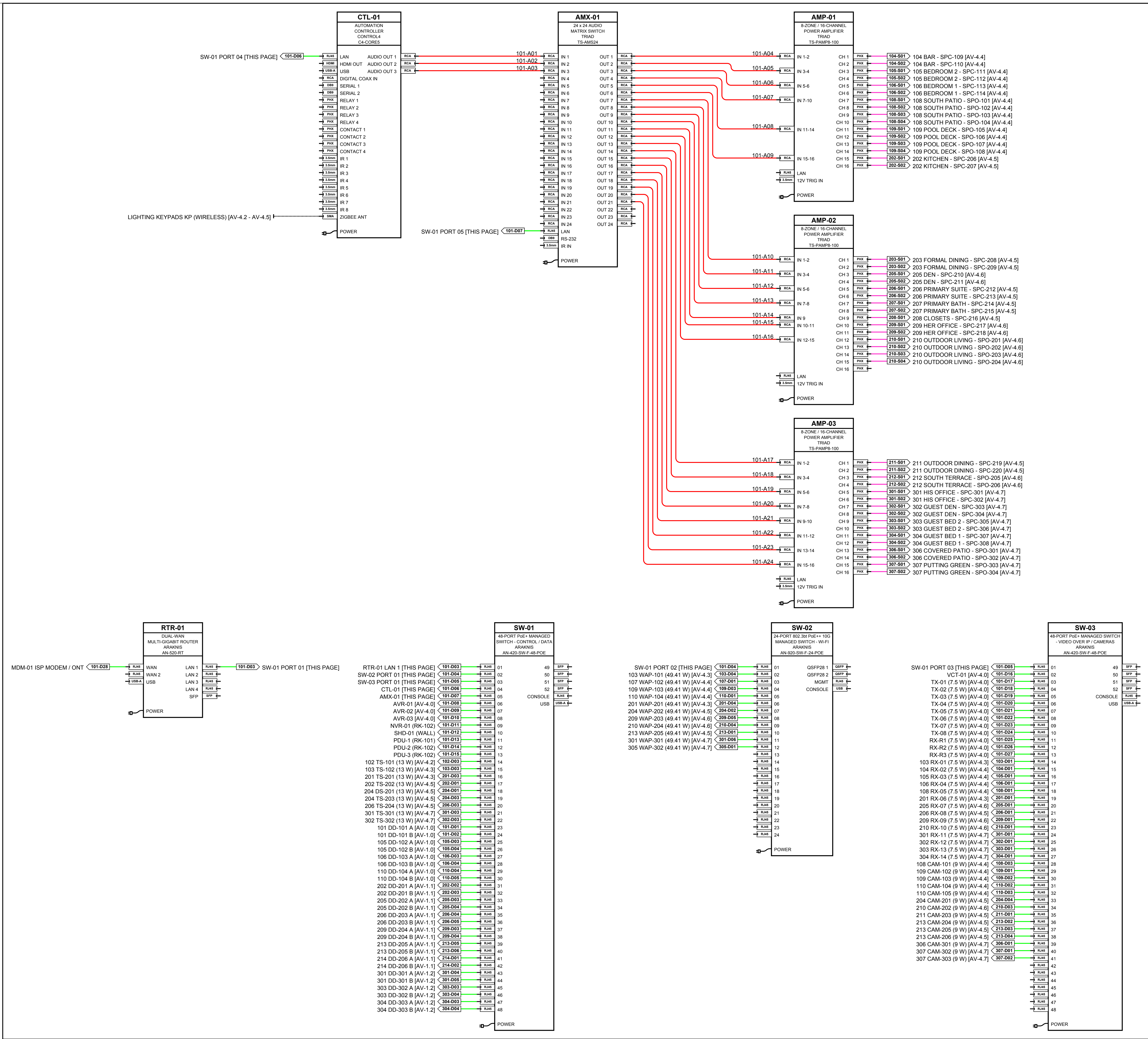
☐ AS-BUILT

SHEET TITLE

SIGNAL FLOW DIAGRAM
RACK RK-101

AV - 4.0

SHEET 8 OF 20



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NETWORK - ARAKNIS	AV-4.1
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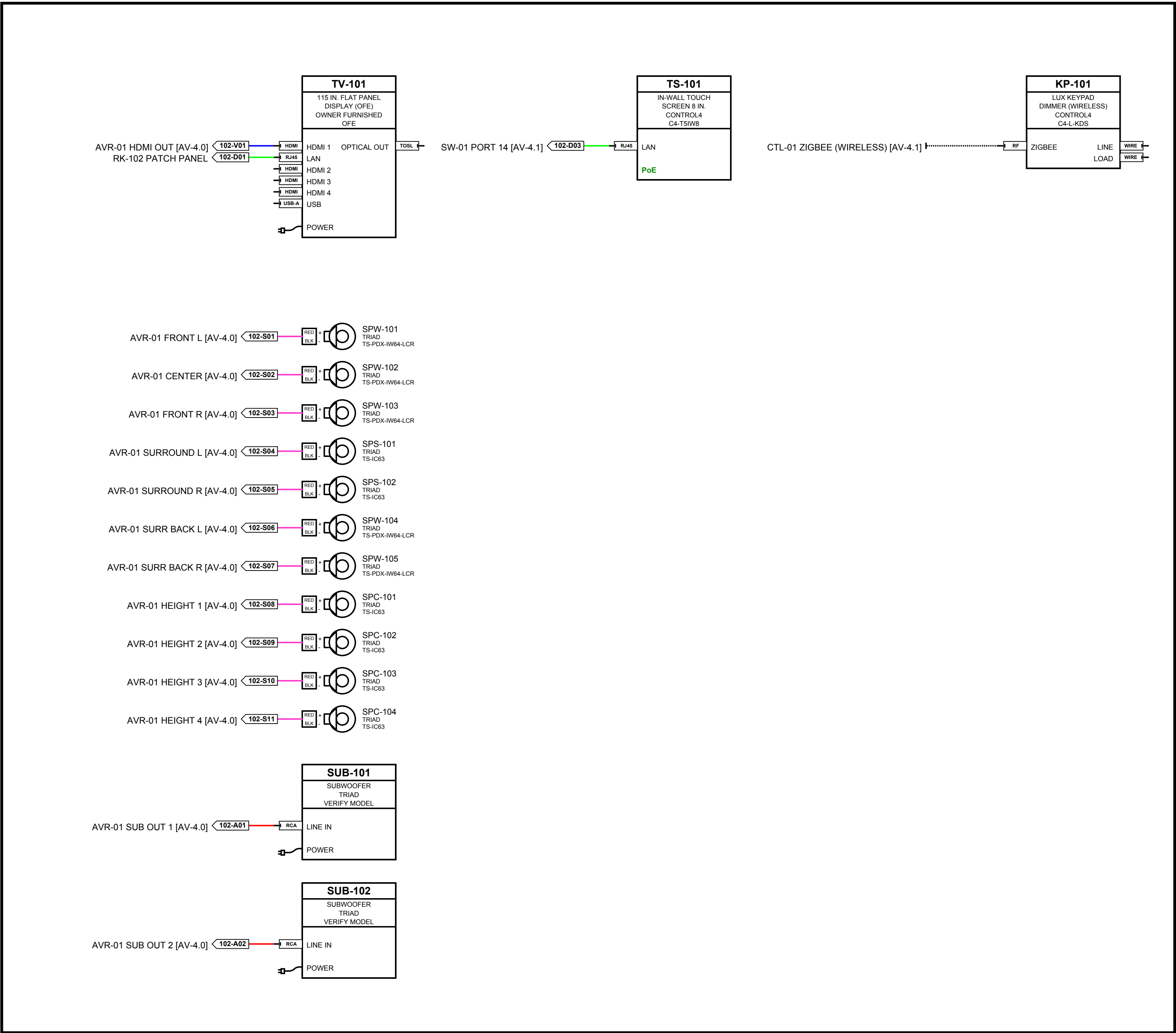
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☐ CONSTRUCTION	☐ AS-BUILT

SHEET TITLE

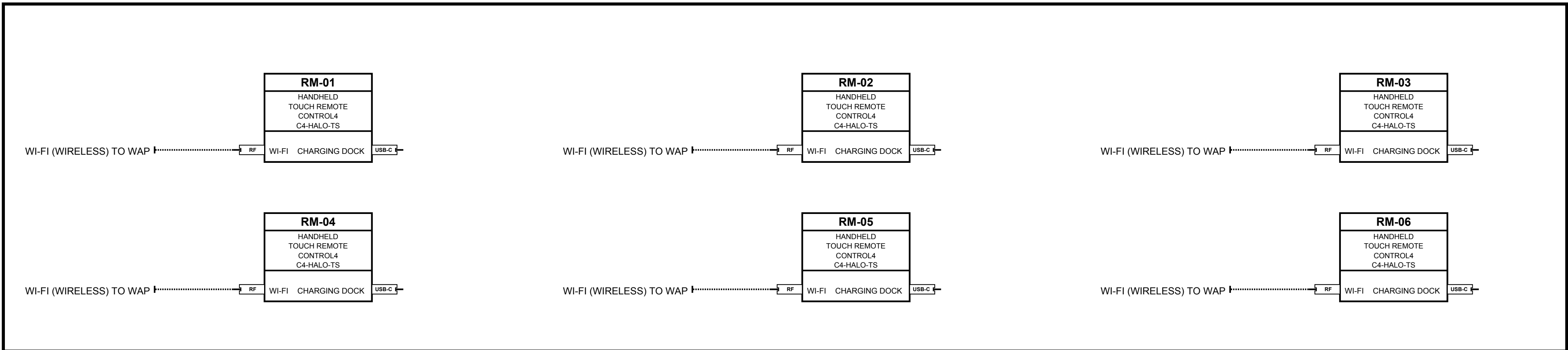
SIGNAL FLOW DIAGRAM
RACK RK-102

AV - 4.1

SHEET 9 OF 20



THEATER 102



HANDHELD REMOTES - PORTABLE

- CABLE TYPE LEGEND**
- V - HDMI / HDMI AOC
 - D - CAT6A / PoE
 - F - OM3 FIBER
 - A - LINE AUDIO
 - S - SPEAKER 14/2
 - C - SHADE (BY VENDOR)
 - WIRELESS (NO CABLE)

CLIENT

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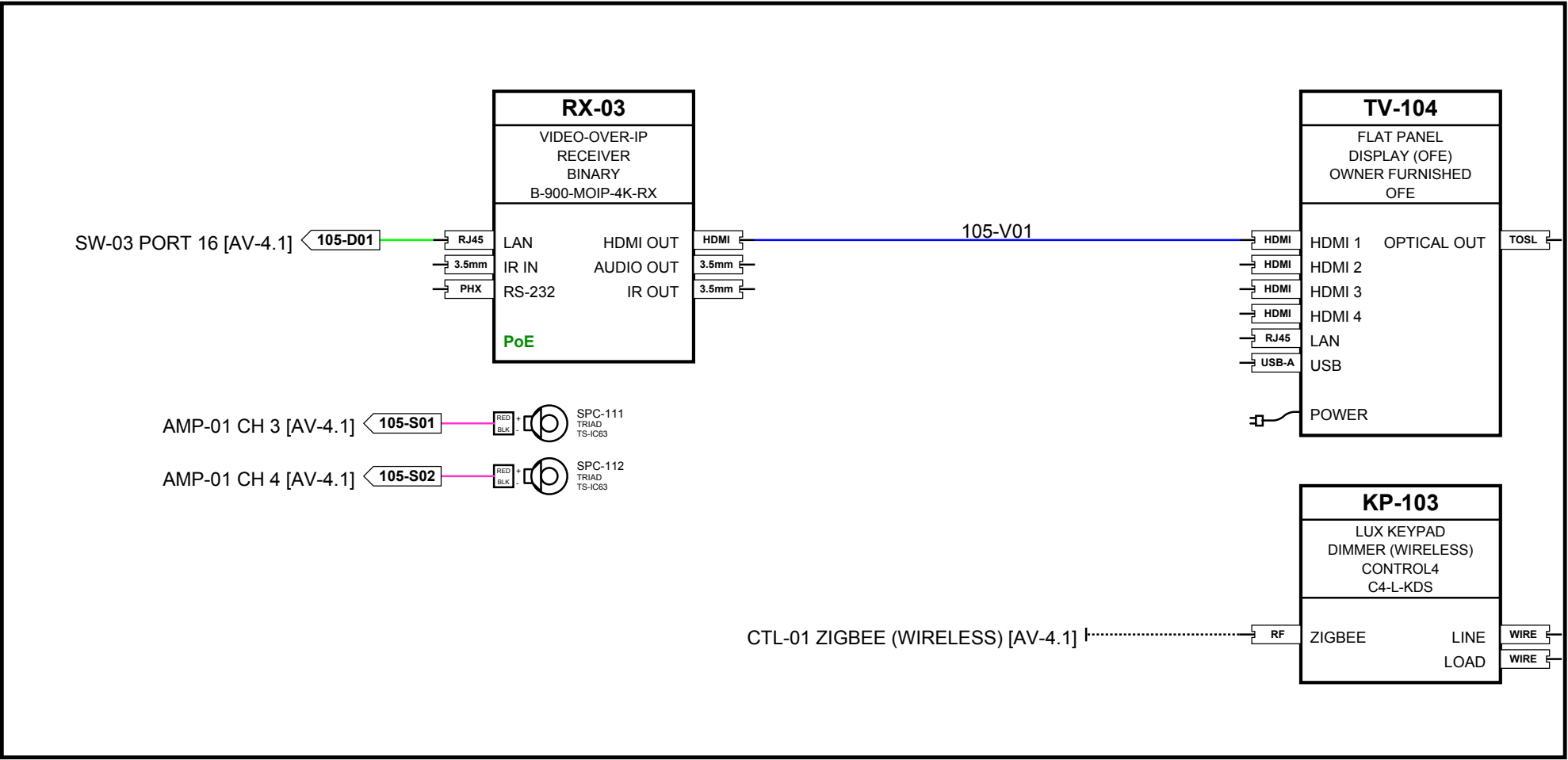
☐ AS-BUILT

SHEET TITLE

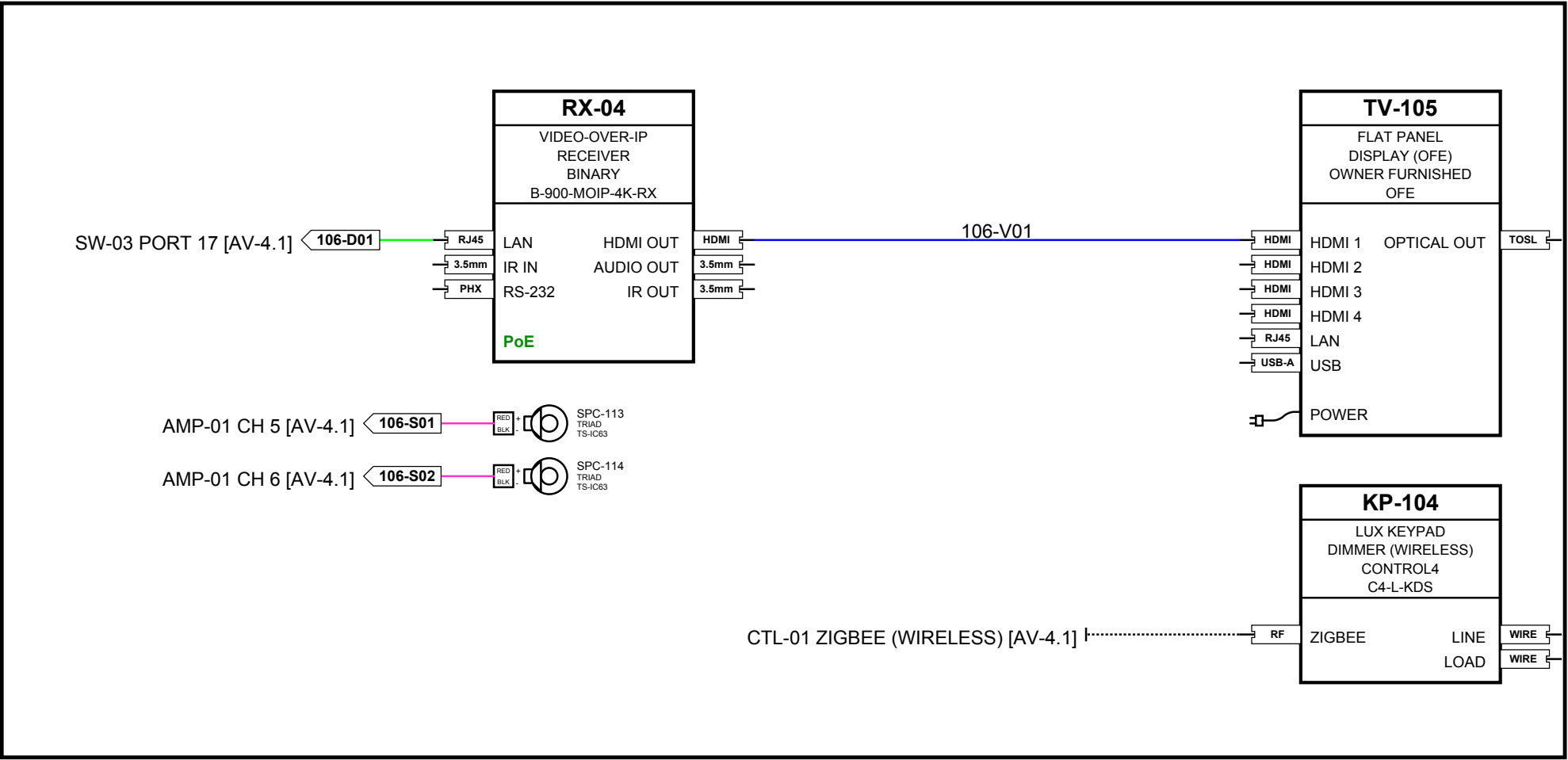
SIGNAL FLOW DIAGRAM
FIELD - SURROUND ROOMS (1 OF 2)

AV - 4.2

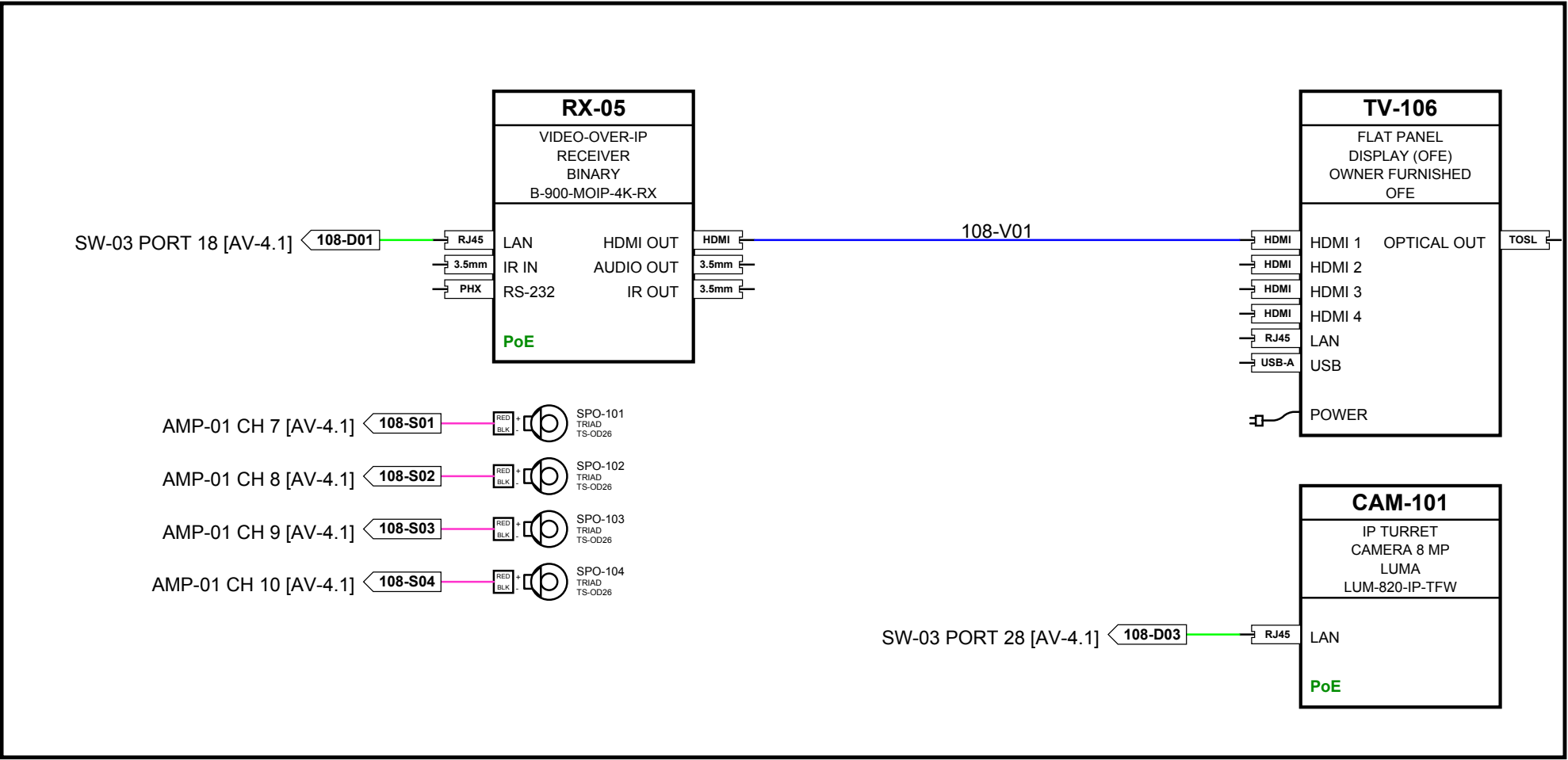
SHEET 10 OF 20



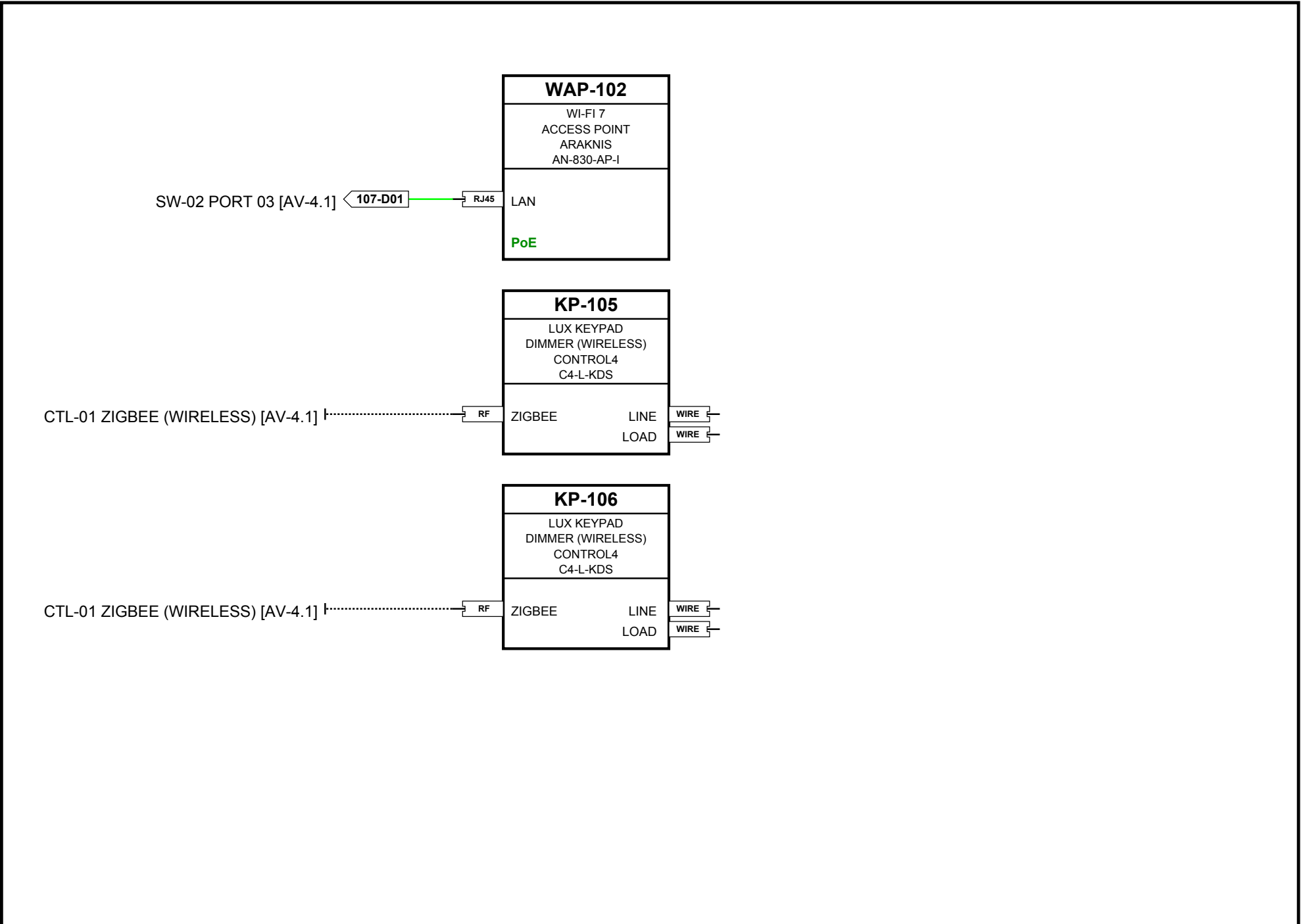
BEDROOM 2 105



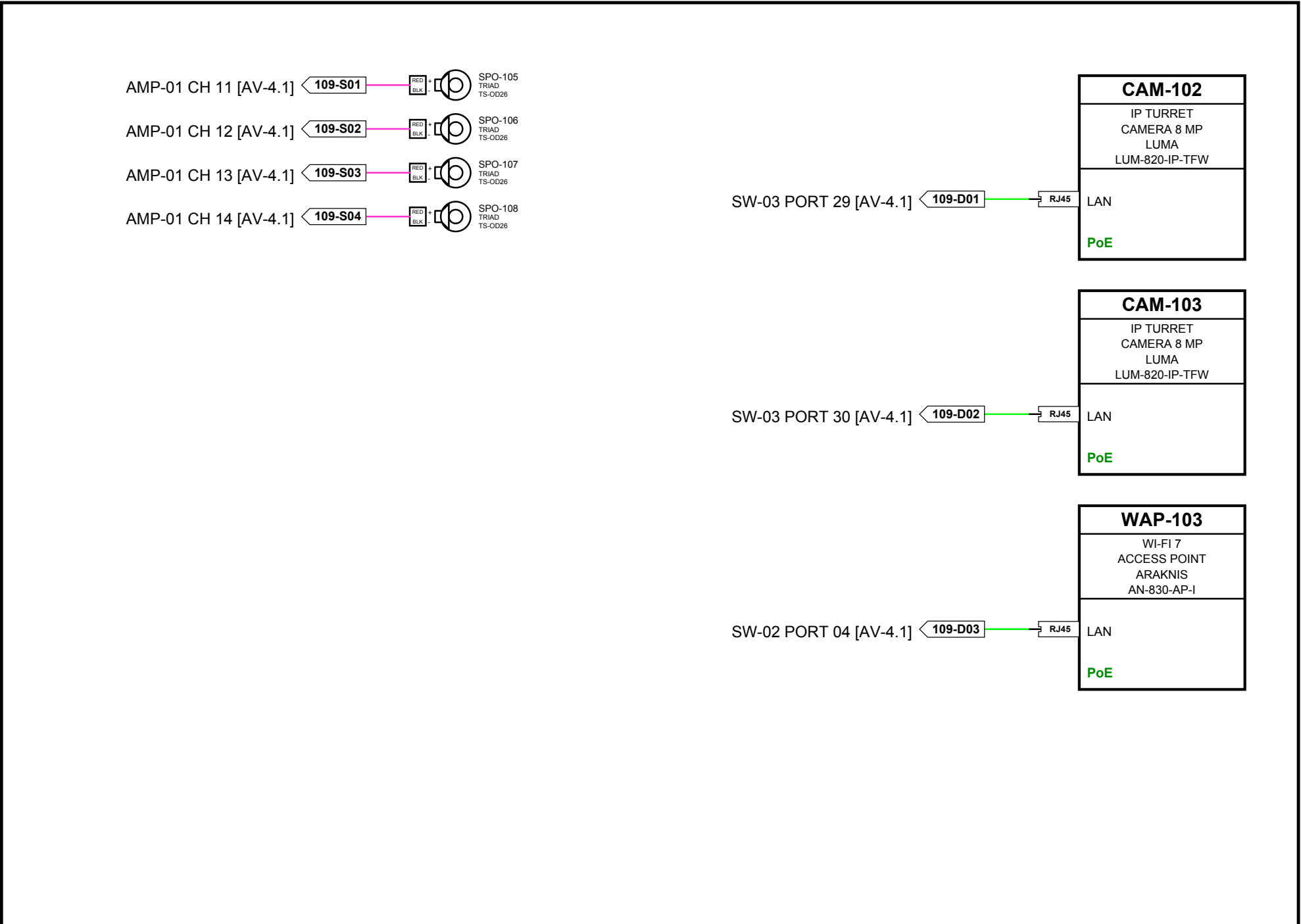
BEDROOM 1 106



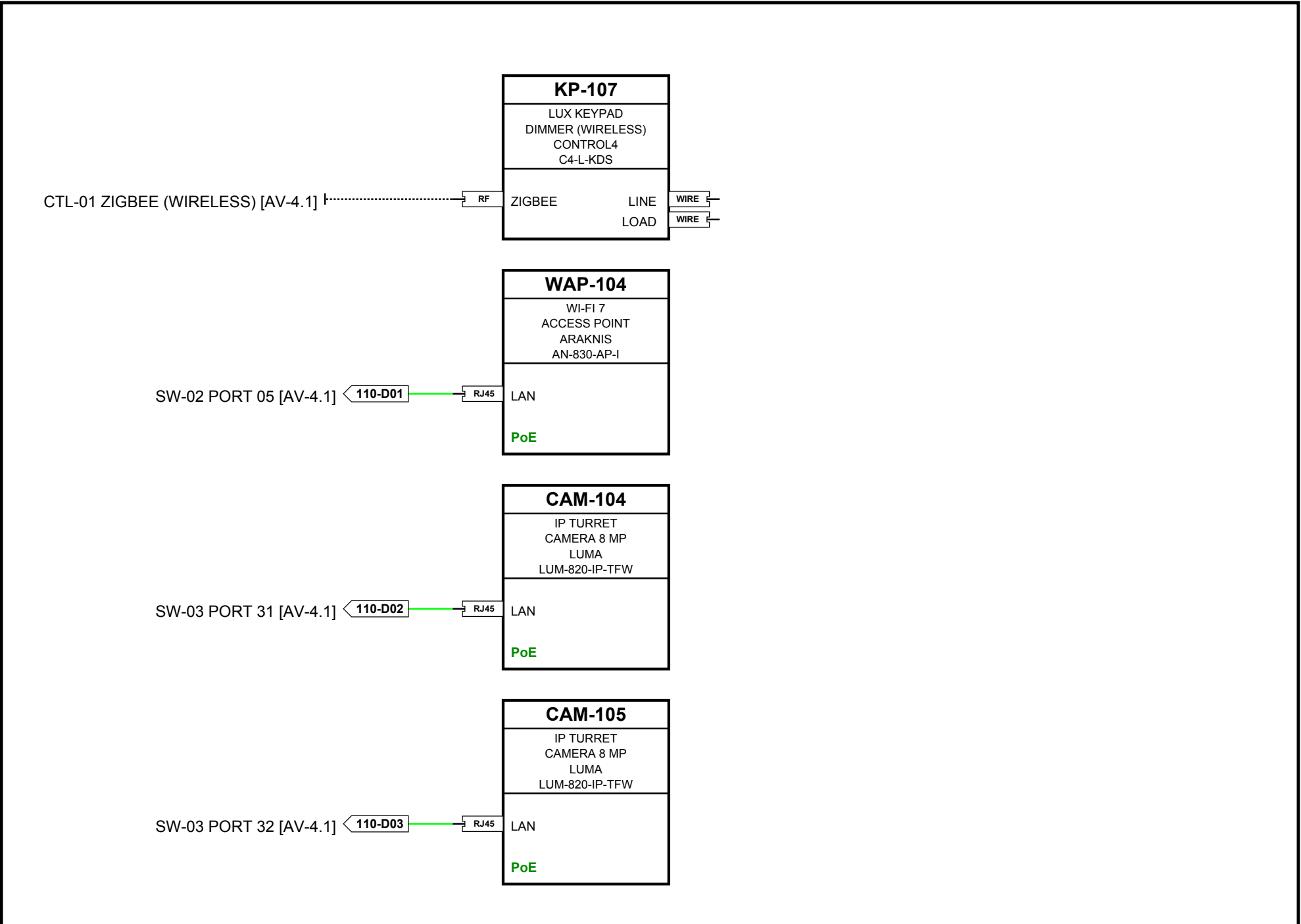
SOUTH PATIO 108



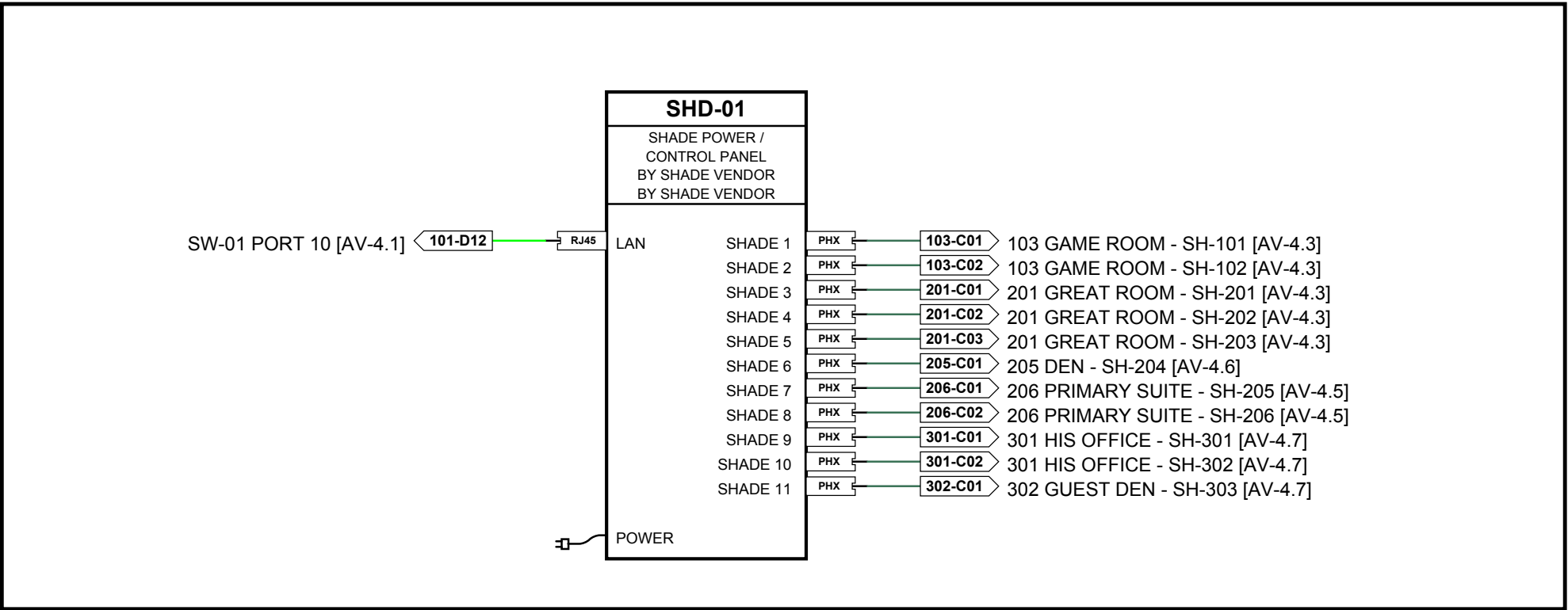
LOWER HALL 107



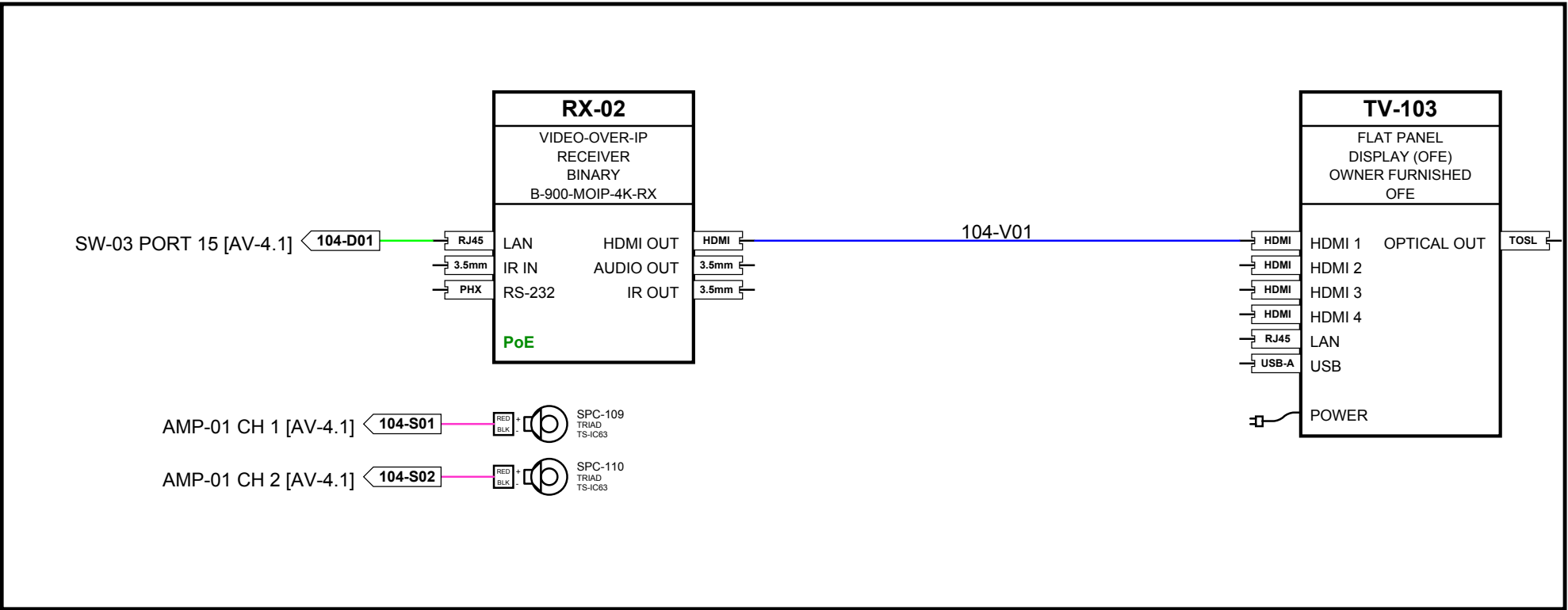
POOL DECK 109



LOWER GARAGE 110



AV ROOM 101



BAR 104

- CABLE TYPE LEGEND**
- V - HDMI / HDMI AOC
 - D - CAT6A / PoE
 - F - OM3 FIBER
 - A - LINE AUDIO
 - S - SPEAKER 14/2
 - C - SHADE (BY VENDOR)
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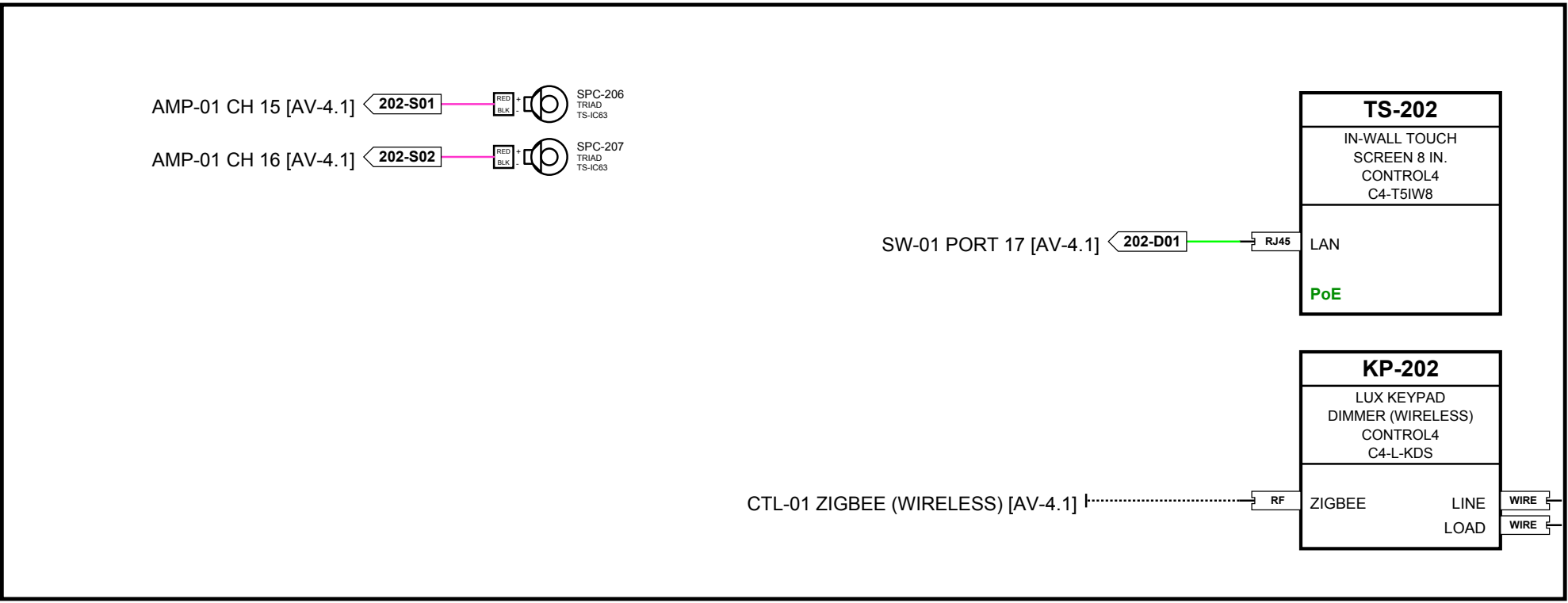
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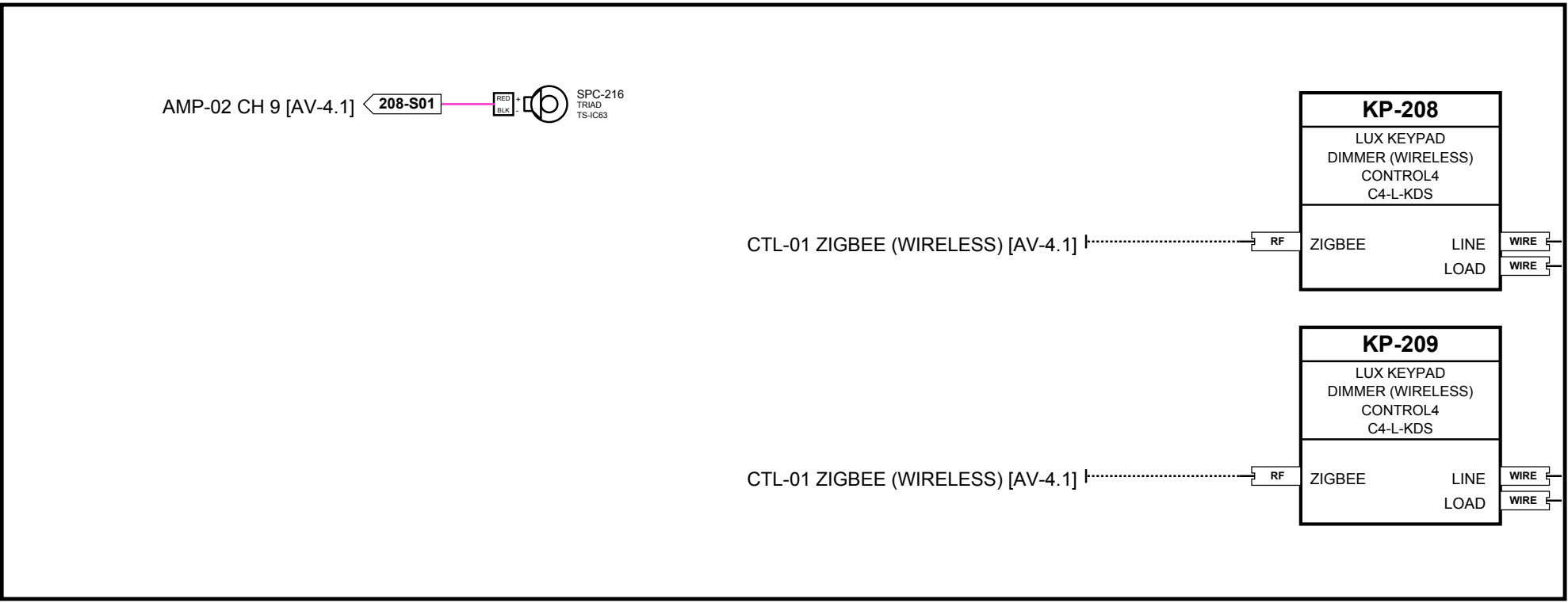
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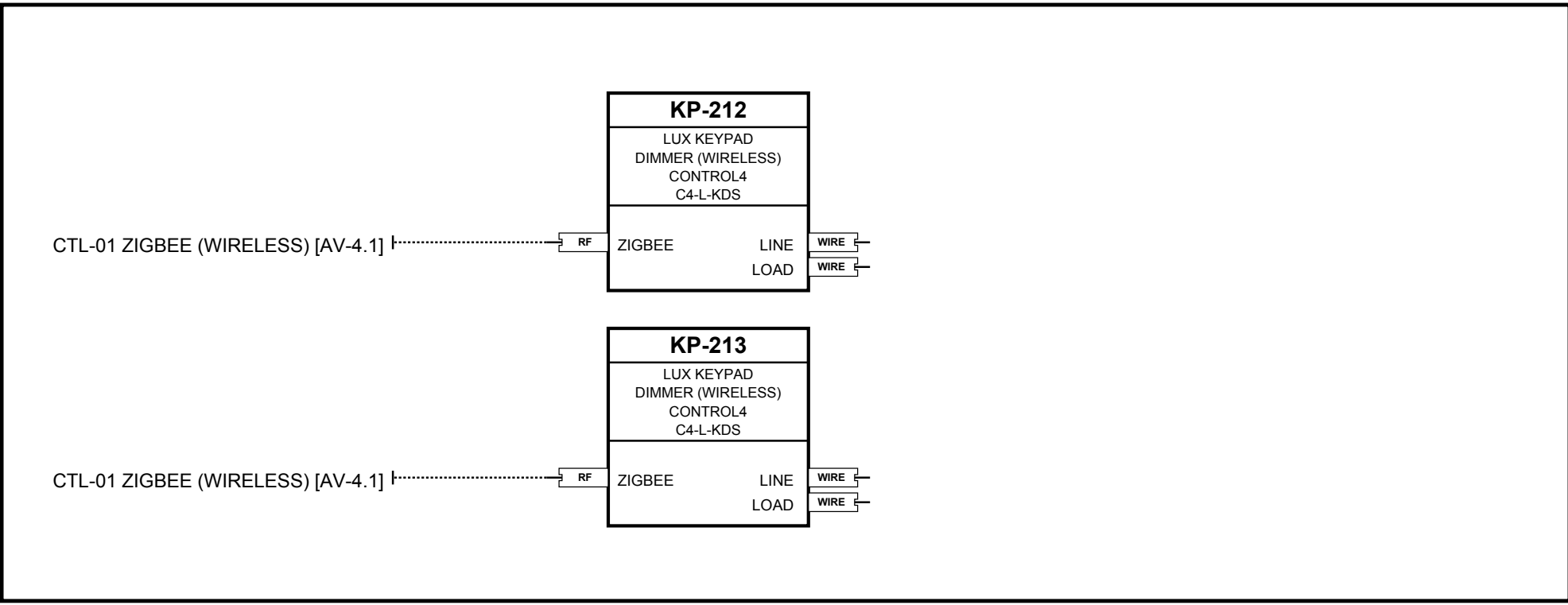
SHEET TITLE	
SIGNAL FLOW DIAGRAM FIELD DEVICES - LOWER LEVEL	



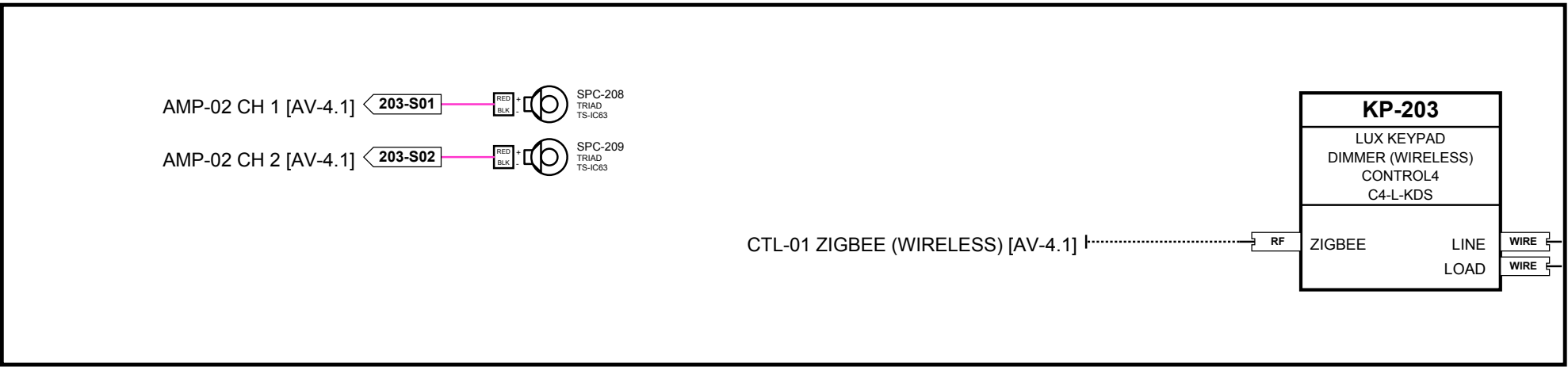
KITCHEN 202



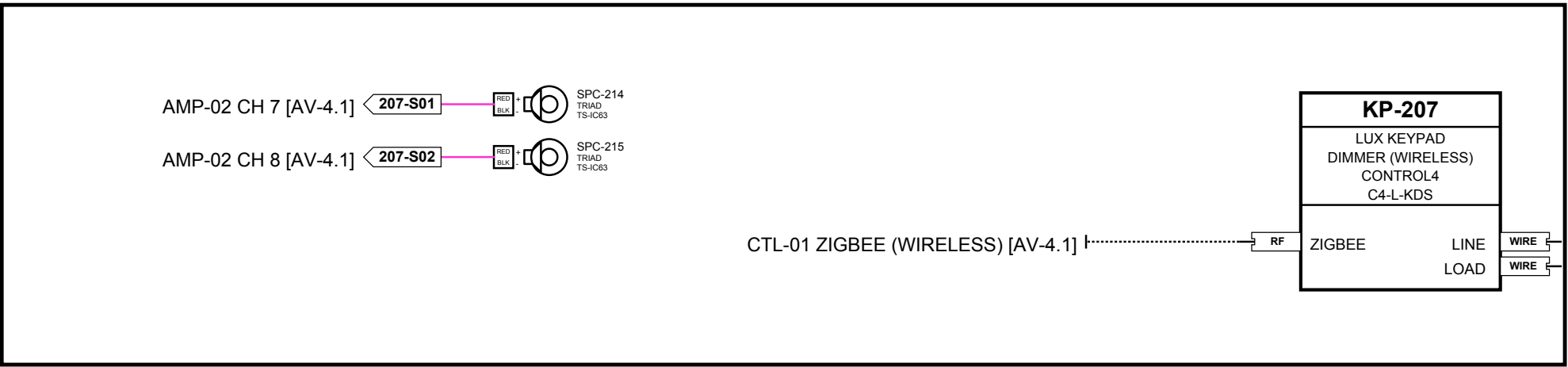
CLOSETS 208



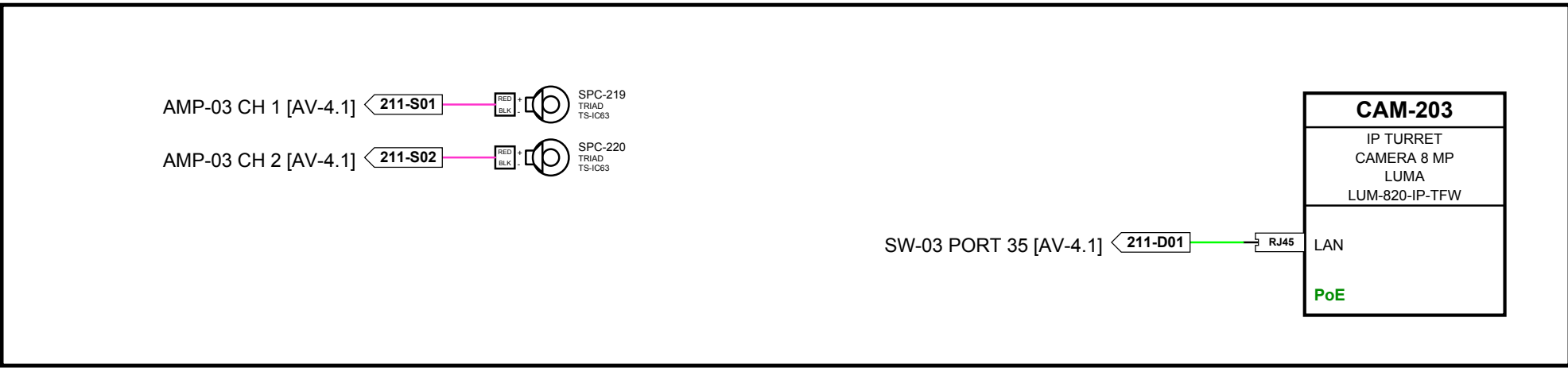
SERVICE 214



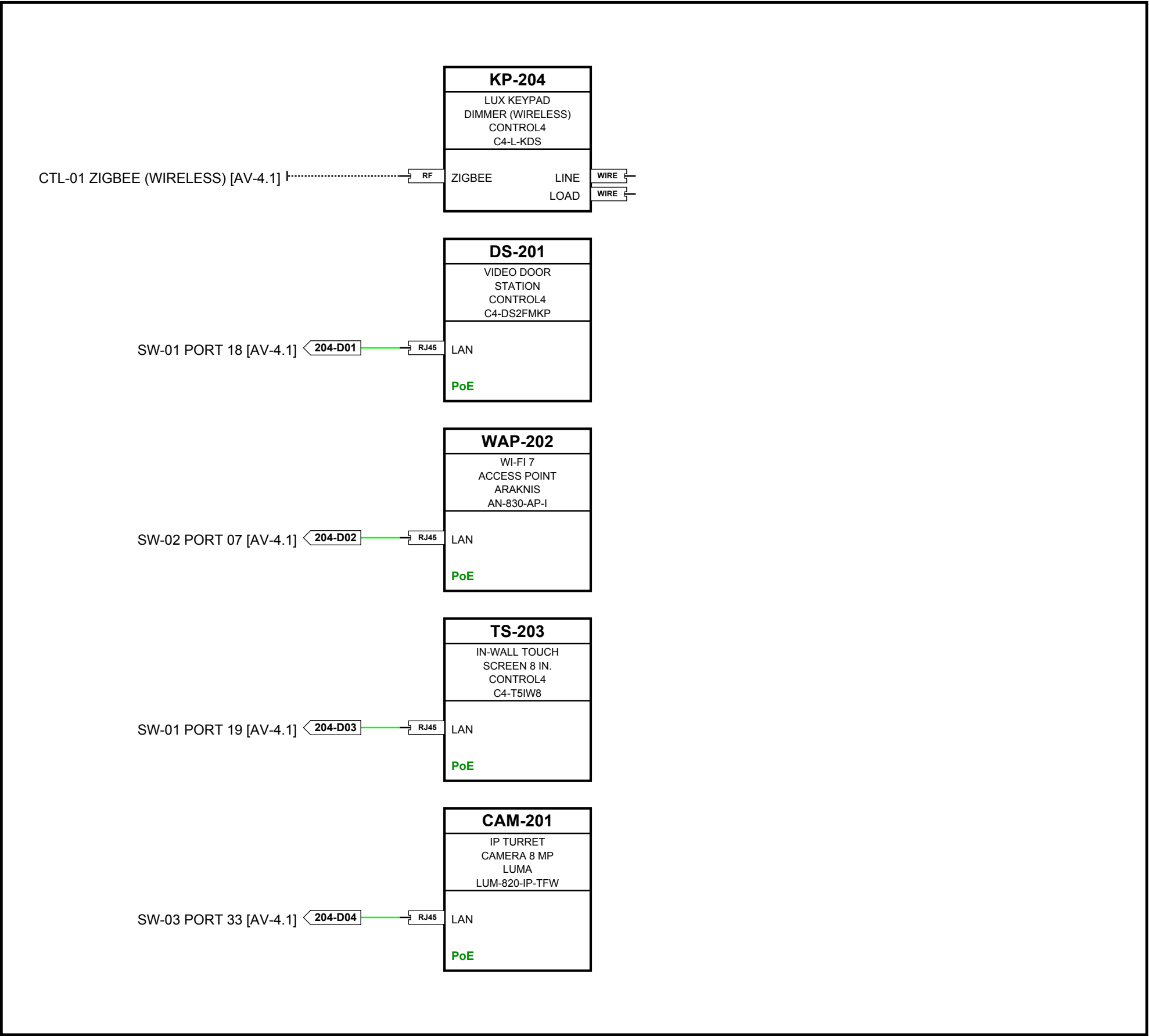
FORMAL DINING 203



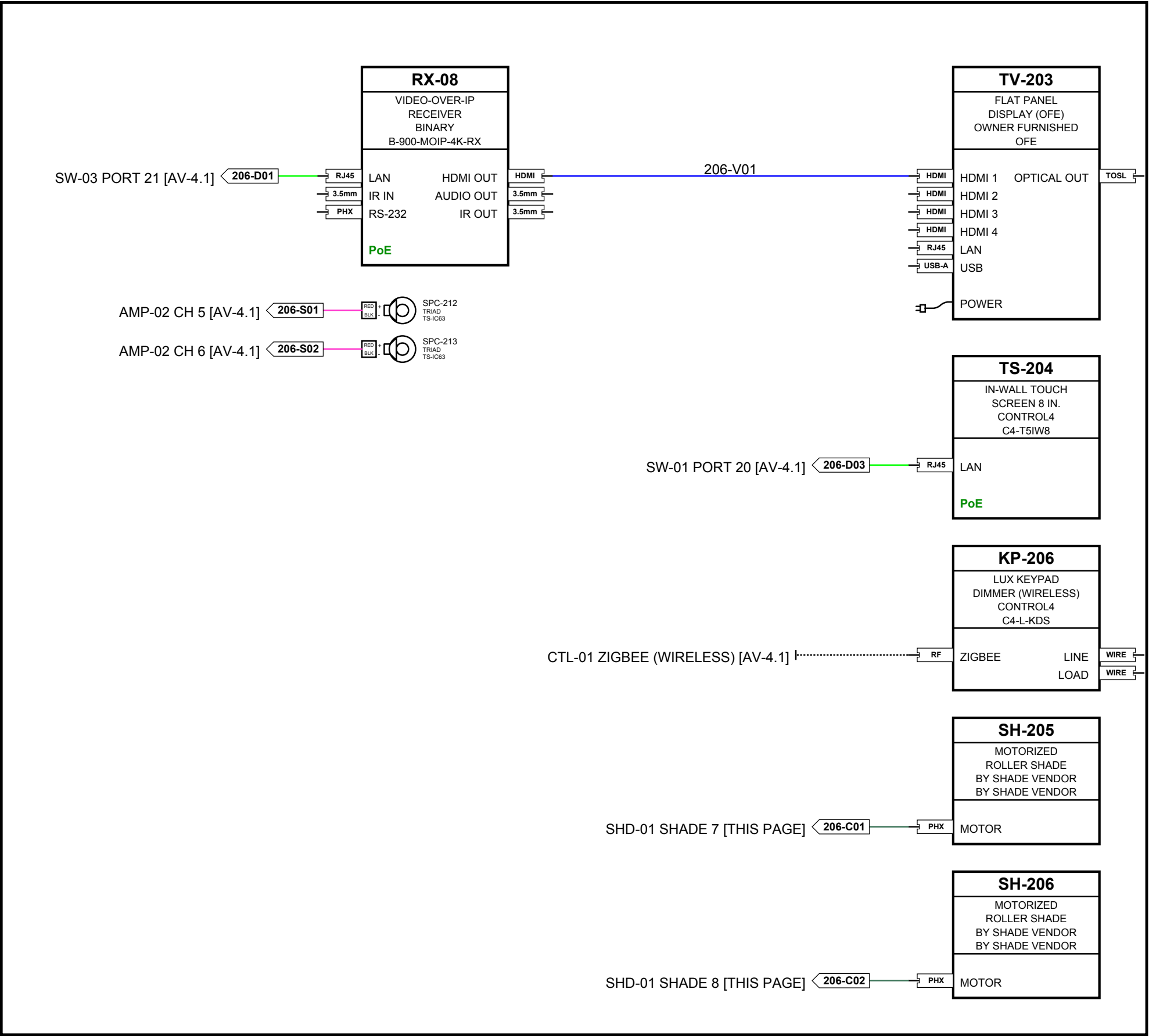
PRIMARY BATH 207



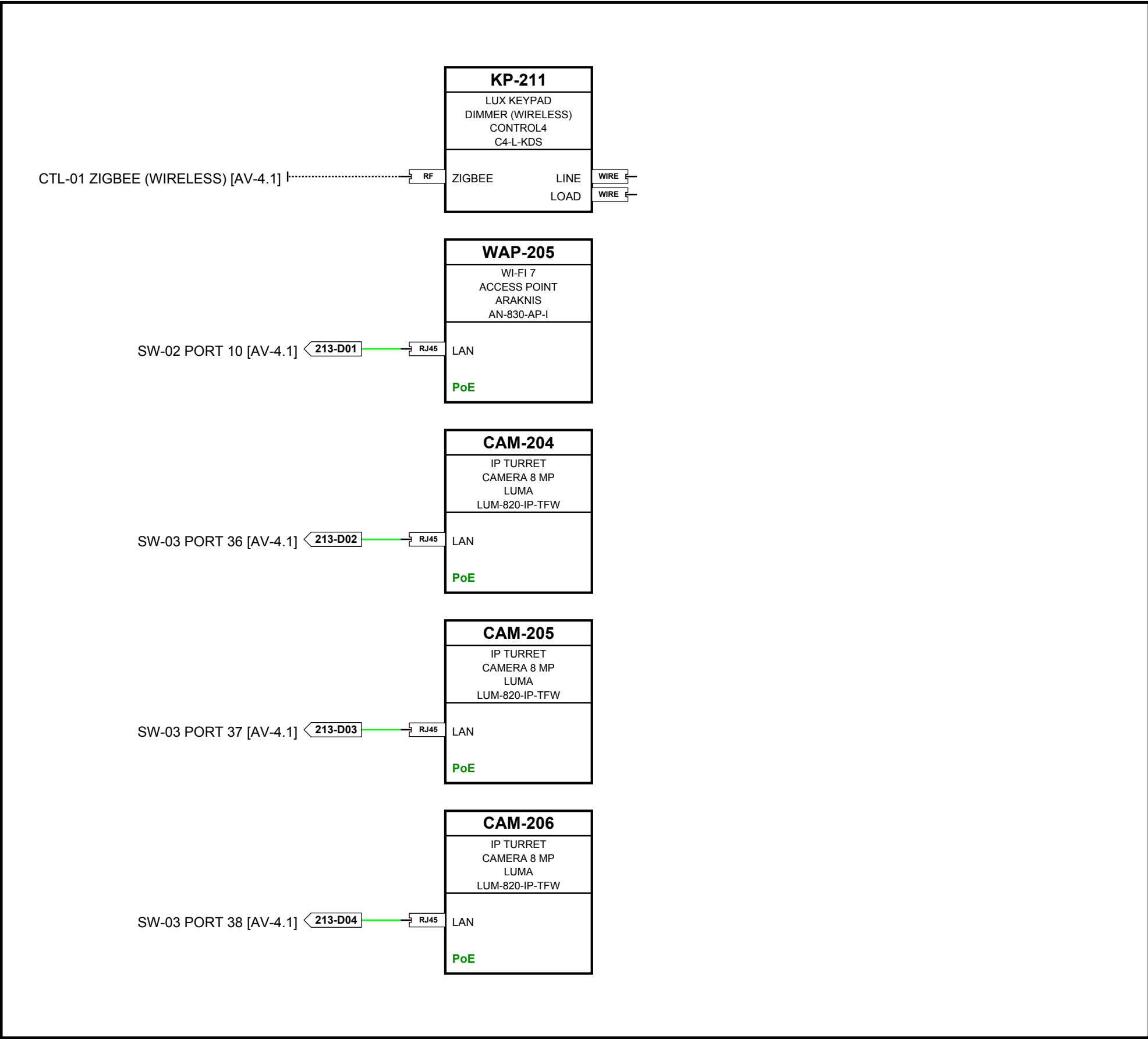
OUTDOOR DINING 211



ENTRY 204



PRIMARY SUITE 206



MAIN GARAGE 213

- CABLE TYPE LEGEND
- V - HDMI / HDMI AOC
 - D - CAT6A / PoE
 - F - OM3 FIBER
 - A - LINE AUDIO
 - S - SPEAKER 14/2
 - C - SHADE (BY VENDOR)
 - WIRELESS (NO CABLE)

CLIENT
SAMPLE RESIDENCE SAMPLE PROJECT
ADDRESS
ANYTOWN, USA
PROJECT
CONTROL4 SMART HOME
PREPARED BY
 AV SYSTEM DRAFTING (505) 527-2959 INTEGRATORDRAFTWORKS.COM JAMESAVDRAFTING@GMAIL.COM © 2026 INTEGRATOR DRAFTWORKS ORIGINAL WORK - DO NOT COPY OR REUSE WITHOUT WRITTEN PERMISSION
DESCRIPTION
AUDIO VISUAL SYSTEMS

SYSTEM SUMMARY	
VIDEO - BINARY MOIP	AV-4.0
SURROUND - SONY RECEIVERS	AV-4.0, 4.2
AUDIO - TRIAD	AV-4.1
CONTROL - CONTROL4	AV-4.1
NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1

ISSUE INFO	
DATE ISSUED	2026/10/03

STATUS

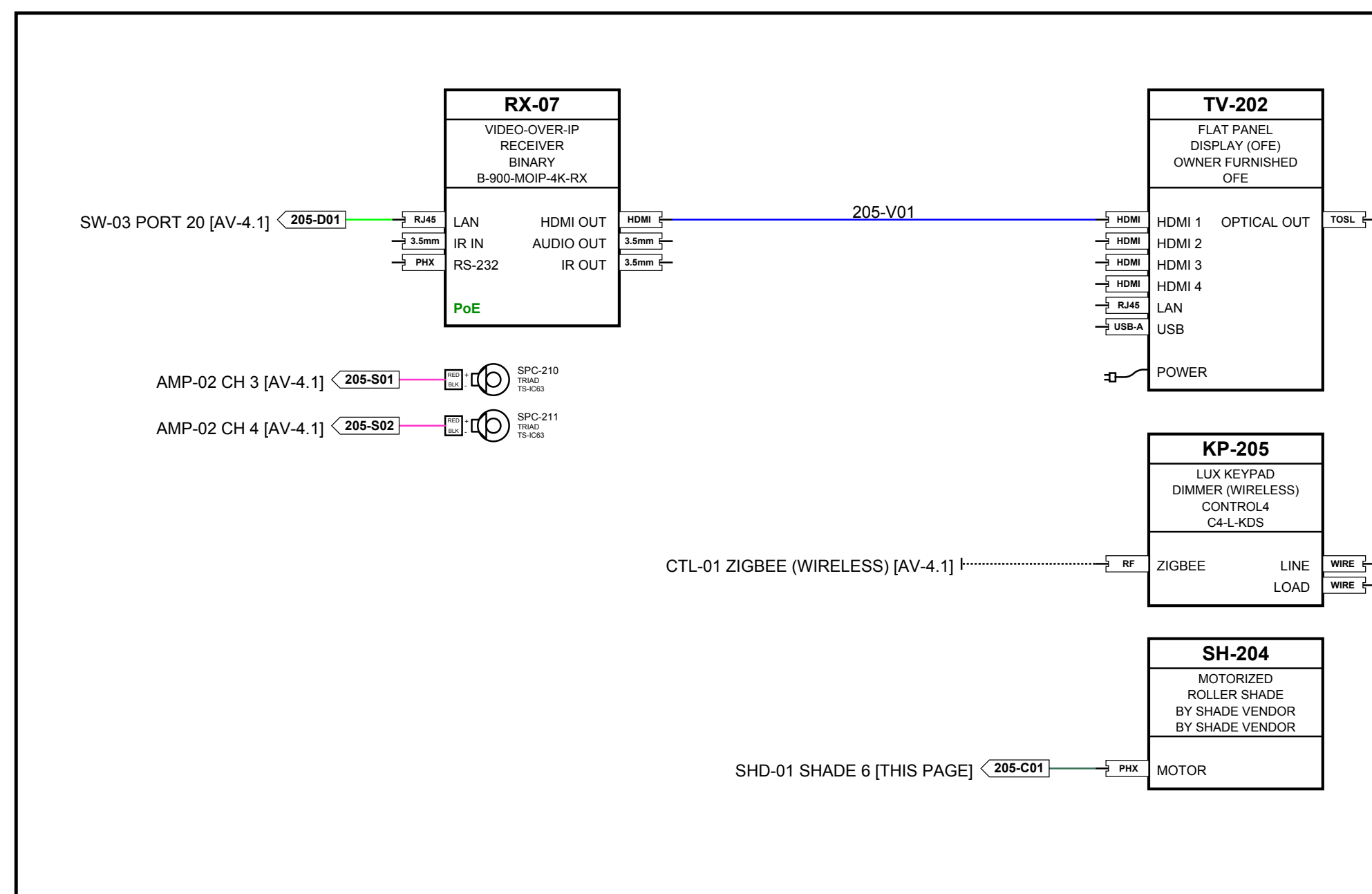
PRELIMINARY NOT FOR CONSTRUCTION
STATUS CHANGES WITH "ISSUED FOR" BELOW

ISSUED FOR
☒ REVIEW ☐ COORDINATION
☐ CONSTRUCTION ☐ AS-BUILT

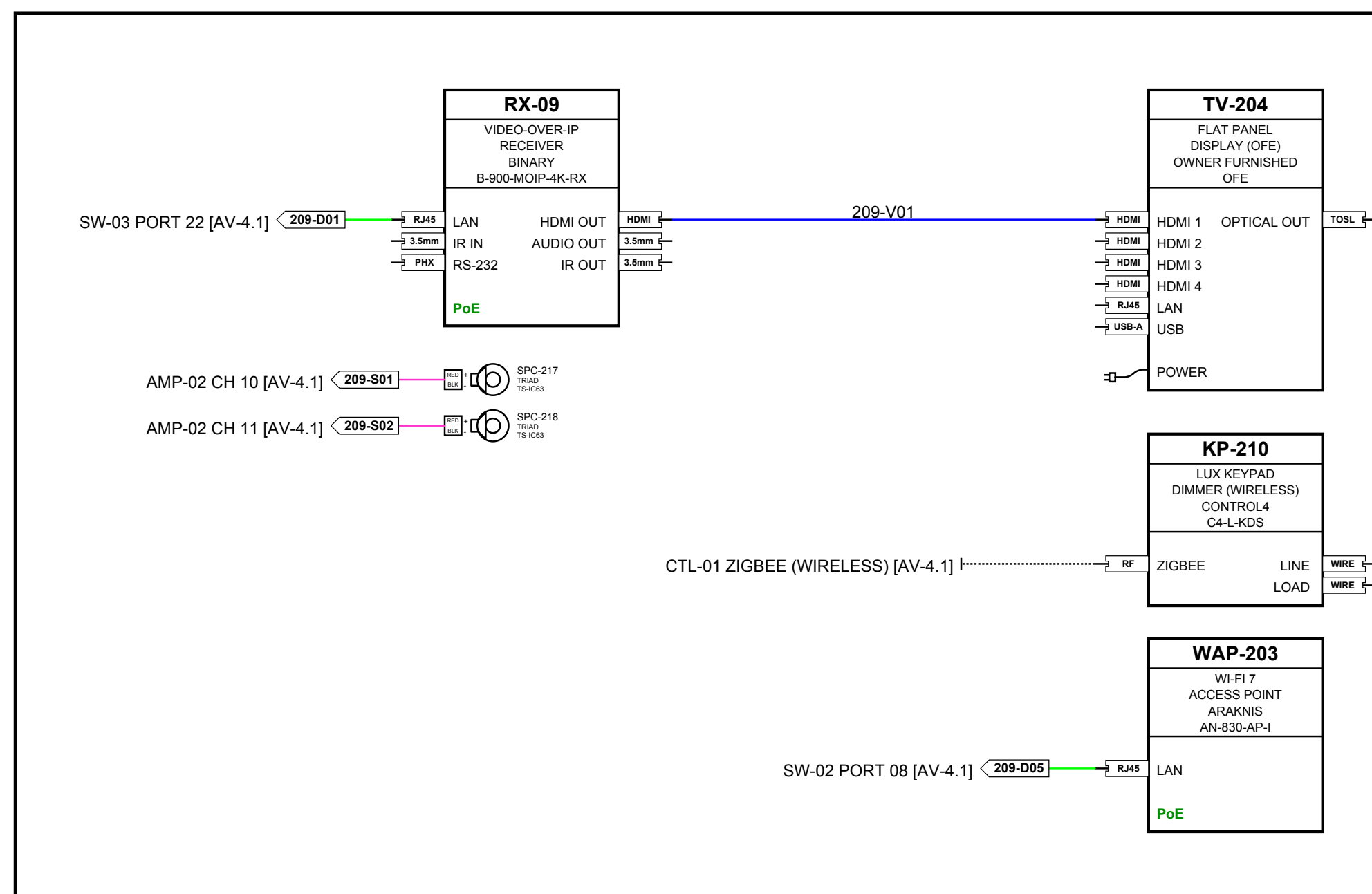
SHEET TITLE

SIGNAL FLOW DIAGRAM
FIELD DEVICES - MAIN LEVEL (1 OF 2)

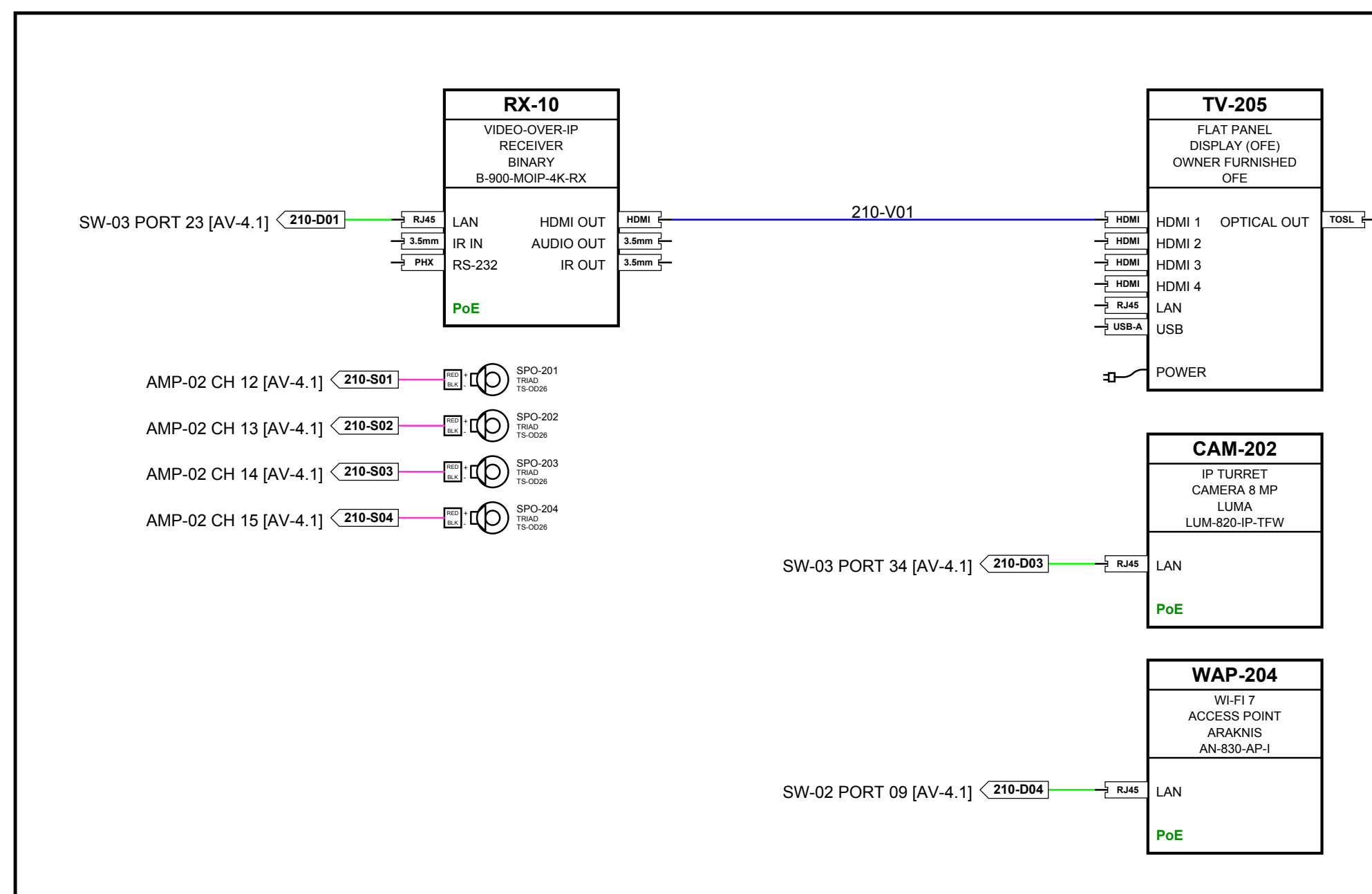
AV - 4.5



DEN 205



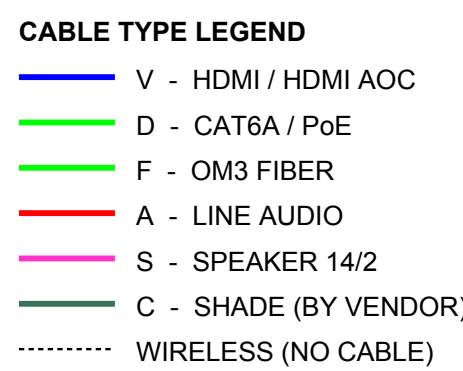
HER OFFICE 209



OUTDOOR LIVING 210



SOUTH TERRACE 212



SYSTEM SUMMARY	
VIDEO - BINARY MOIP	AV-4.0
SURROUND - SONY RECEIVERS	AV-4.0, 4.2
AUDIO - TRIAD	AV-4.1
CONTROL - CONTROL4	AV-4.1
NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1

ISSUE INFO	
DATE ISSUED	2026/10/03

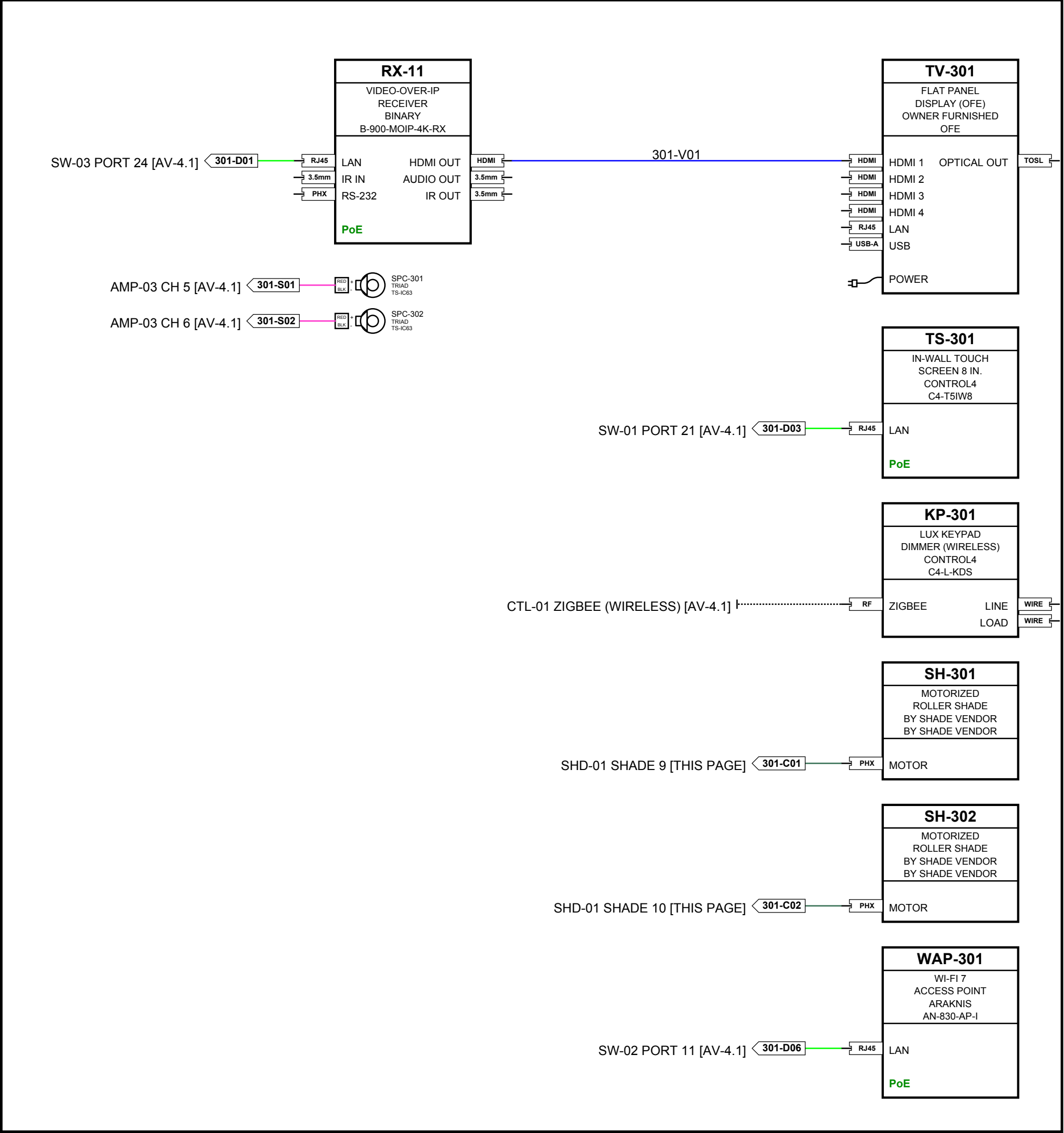
STATUS

PRELIMINARY
NOT FOR CONSTRUCTION

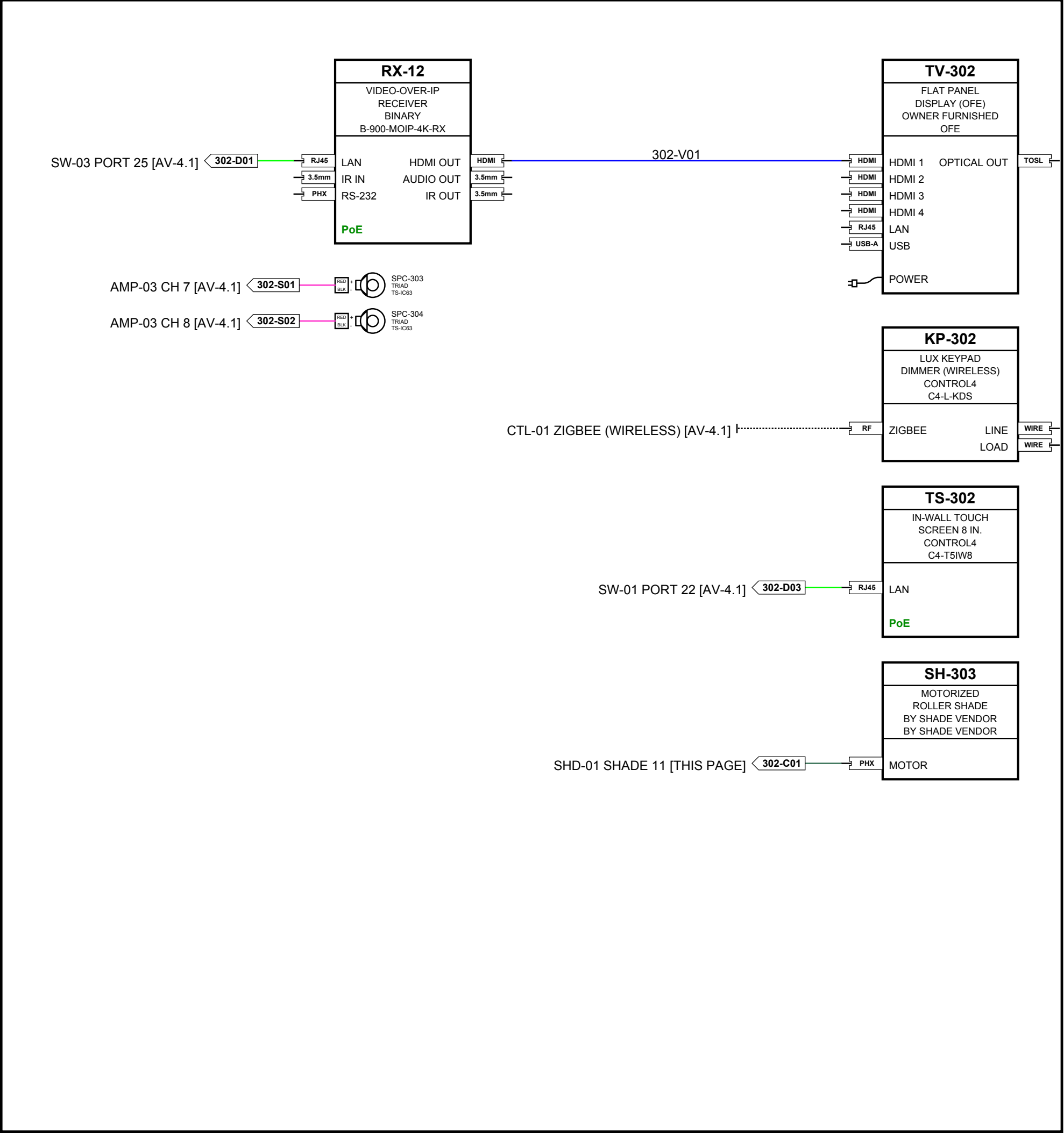
ISSUED FOR	
☒ REVIEW	☐ COORDINATION
☐ CONSTRUCTION	☐ AS-BUILT

SHEET TITLE

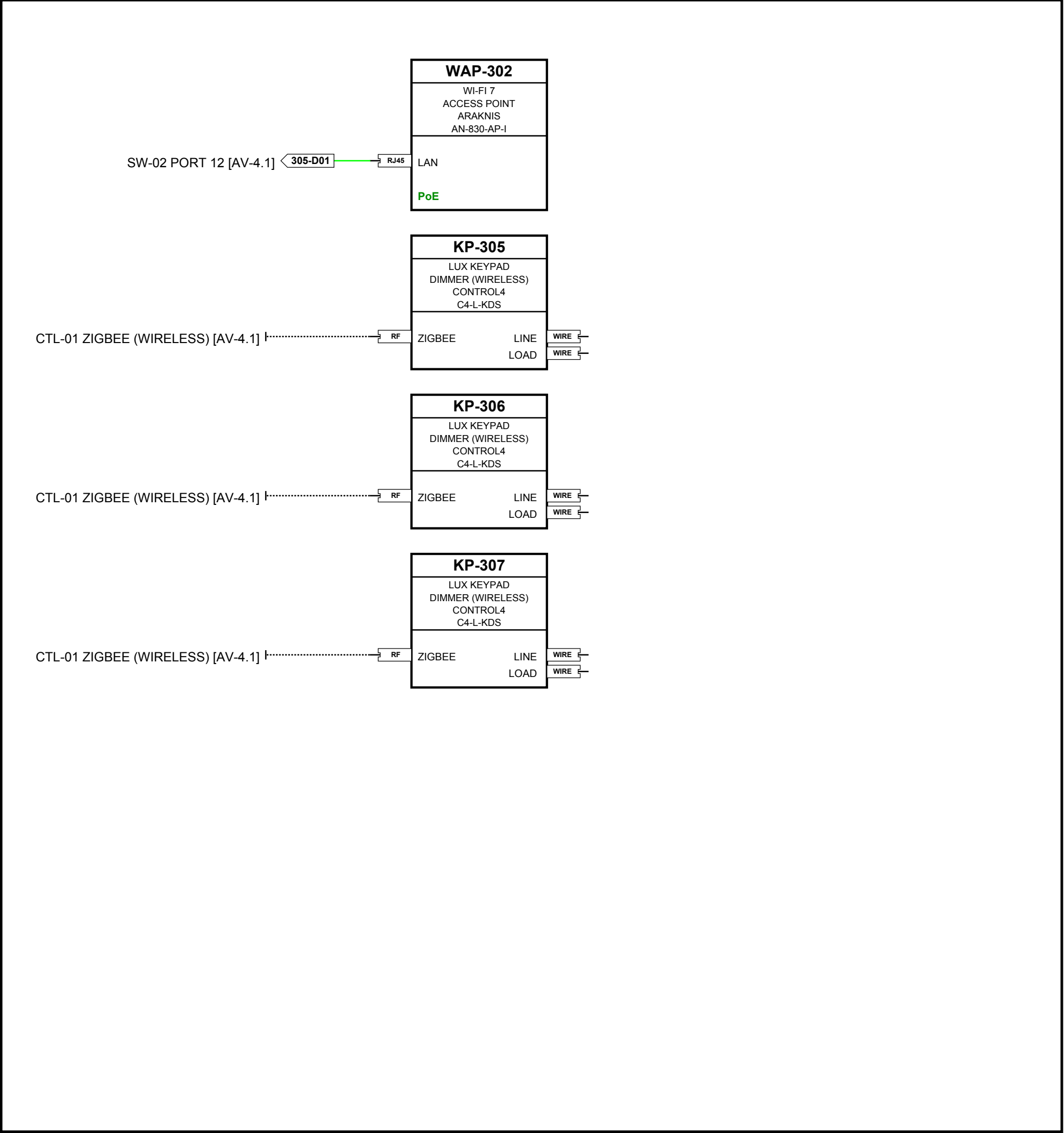
SIGNAL FLOW DIAGRAM
FIELD DEVICES - MAIN LEVEL (2 OF 2)



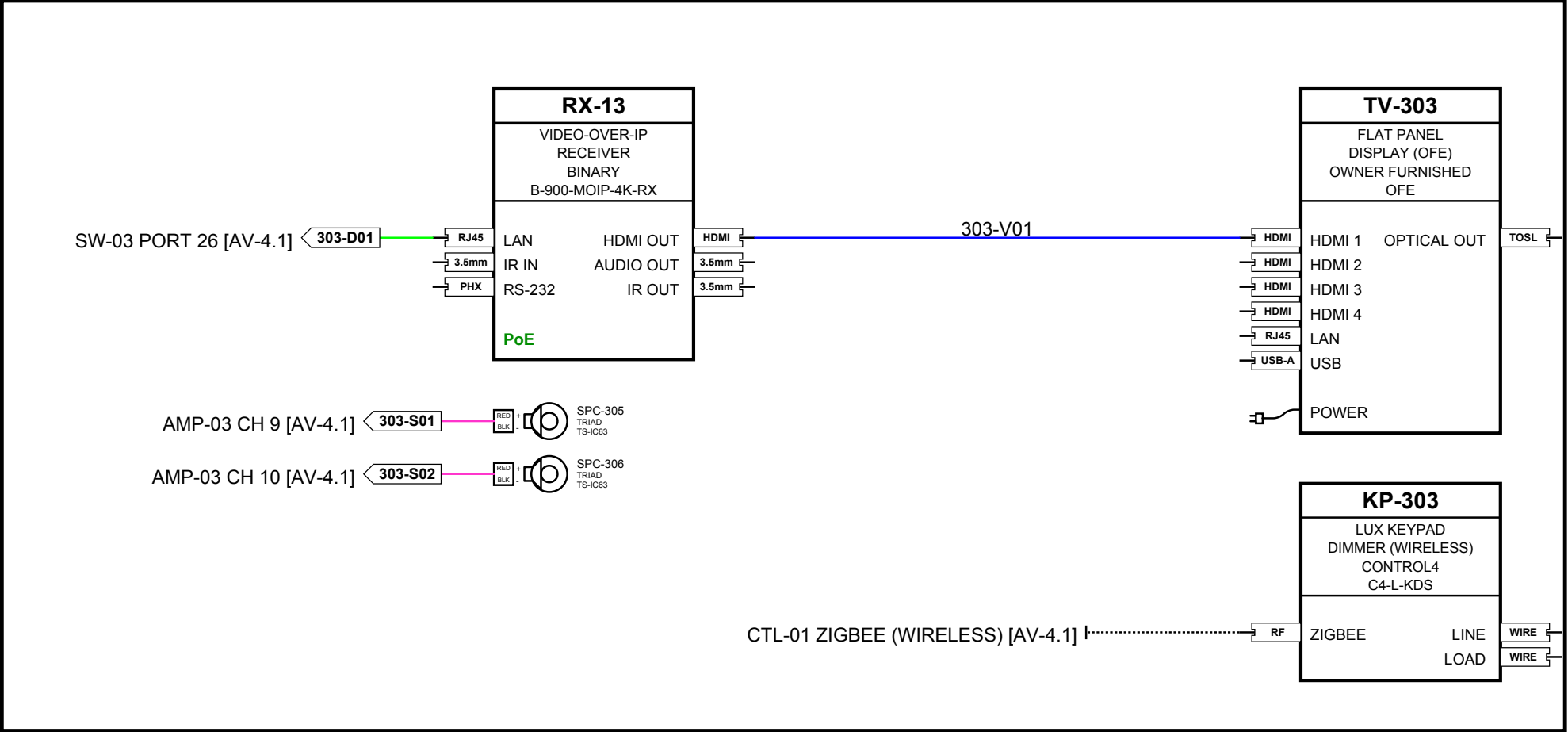
HIS OFFICE 301



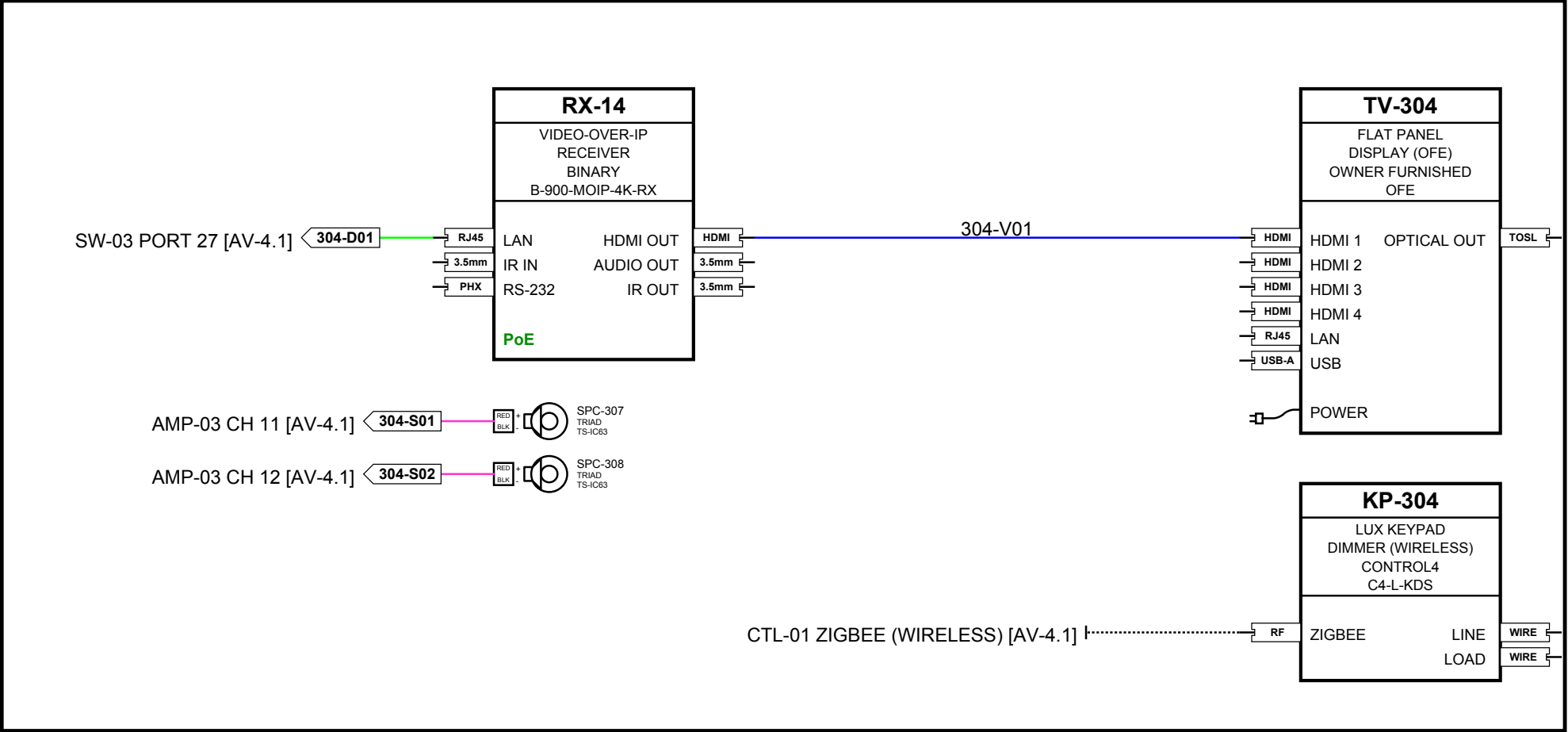
GUEST DEN 302



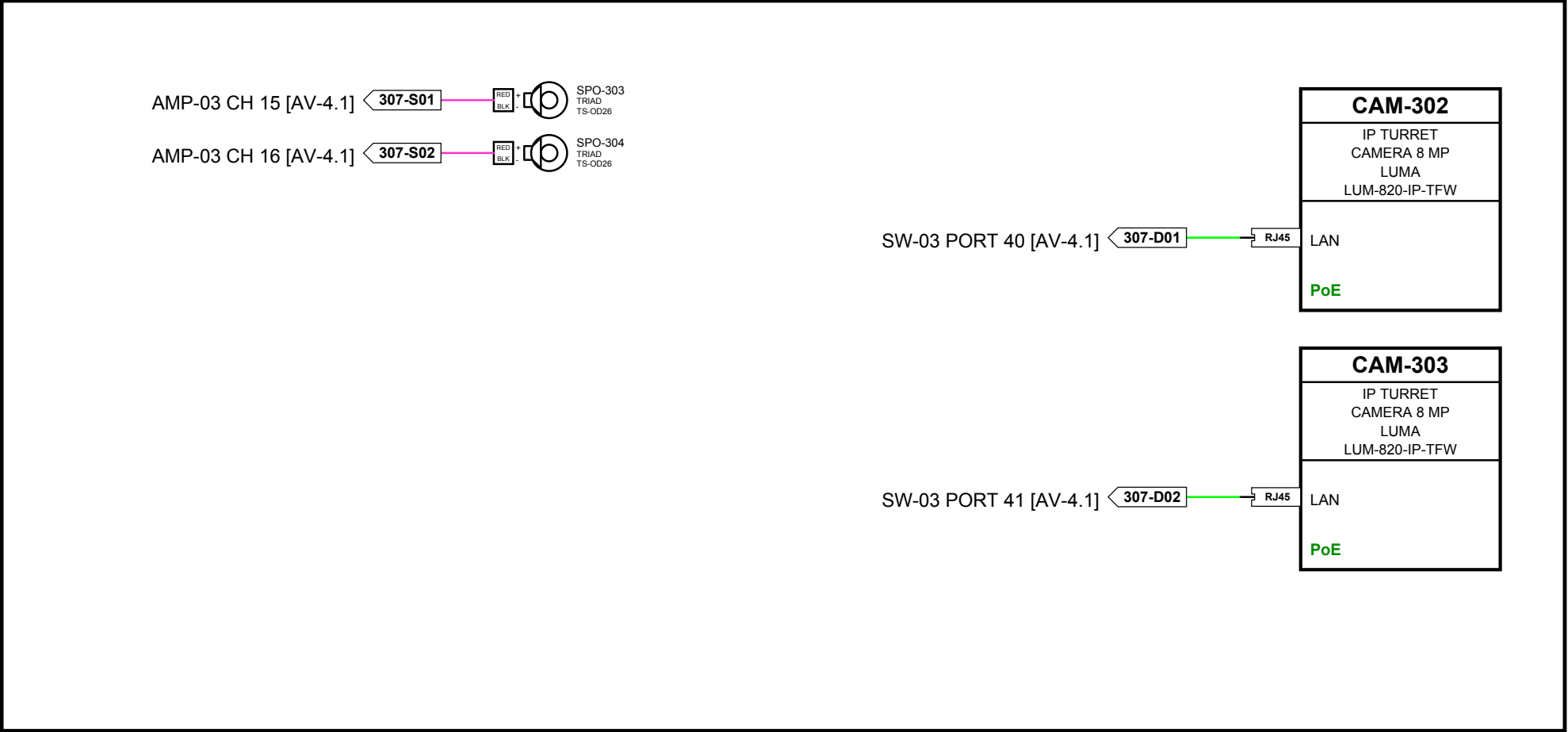
UPPER HALL 305



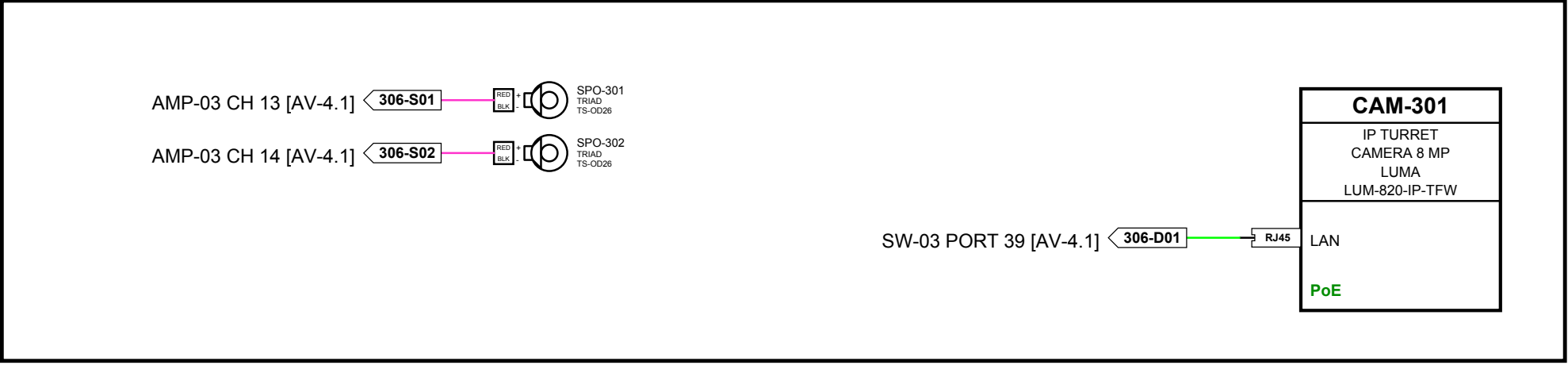
GUEST BED 2 303



GUEST BED 1 304



PUTTING GREEN 307



COVERED PATIO 306

- CABLE TYPE LEGEND**
- V - HDMI / HDMI AOC
 - D - CAT6A / PoE
 - F - OM3 FIBER
 - A - LINE AUDIO
 - S - SPEAKER 14/2
 - C - SHADE (BY VENDOR)
 - WIRELESS (NO CABLE)

CLIENT
SAMPLE RESIDENCE SAMPLE PROJECT
ADDRESS
ANYTOWN, USA
PROJECT
CONTROL4 SMART HOME
PREPARED BY
 AV SYSTEM DRAFTING (505) 527-2959 INTEGRATORDRAFTWORKS.COM JAMESAVDRAFTING@GMAIL.COM © 2026 INTEGRATOR DRAFTWORKS ORIGINAL WORK - DO NOT COPY OR REUSE WITHOUT WRITTEN PERMISSION
DESCRIPTION
AUDIO VISUAL SYSTEMS

SYSTEM SUMMARY	
VIDEO - BINARY MOIP	AV-4.0
SURROUND - SONY RECEIVERS	AV-4.0, 4.2
AUDIO - TRIAD	AV-4.1
CONTROL - CONTROL4	AV-4.1
NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1

ISSUE INFO	
DATE ISSUED	2026/10/03

STATUS	
PRELIMINARY NOT FOR CONSTRUCTION	
STATUS CHANGES WITH 'ISSUED FOR' BELOW	
ISSUED FOR	
☒ REVIEW	☐ COORDINATION
☐ CONSTRUCTION	☐ AS-BUILT
SHEET TITLE	

SIGNAL FLOW DIAGRAM
FIELD DEVICES - UPPER LEVEL

AV - 4.7

DESTINATION: RK-101 A/V ROOM									27 CABLES
		FROM			TO				
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES	
101-V01	HDMI	SRC-01 HDMI OUT	APPLE APPLE TV 4K	RK-101 A/V ROOM	TX-01 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V02	HDMI	SRC-02 HDMI OUT	APPLE APPLE TV 4K	RK-101 A/V ROOM	TX-02 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V03	HDMI	SRC-03 HDMI OUT	APPLE APPLE TV 4K	RK-101 A/V ROOM	TX-03 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V04	HDMI	SRC-04 HDMI OUT	APPLE APPLE TV 4K	RK-101 A/V ROOM	TX-04 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V05	HDMI	SRC-05 HDMI OUT	BY PROVIDER OFE	RK-101 A/V ROOM	TX-05 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V06	HDMI	SRC-06 HDMI OUT	BY PROVIDER OFE	RK-101 A/V ROOM	TX-06 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V07	HDMI	AVR-02 HDMI OUT	SONY STR-AZ1000ES	RK-101 A/V ROOM	TX-07 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V08	HDMI	AVR-03 HDMI OUT	SONY STR-AZ1000ES	RK-101 A/V ROOM	TX-08 HDMI IN	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V09	HDMI	RX-R1 HDMI OUT	BINARY B-900-MOIP-4K-RX	RK-101 A/V ROOM	AVR-01 HDMI IN 1	SONY STR-AZ5000ES	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V10	HDMI	RX-R2 HDMI OUT	BINARY B-900-MOIP-4K-RX	RK-101 A/V ROOM	AVR-02 HDMI IN 1	SONY STR-AZ1000ES	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-V11	HDMI	RX-R3 HDMI OUT	BINARY B-900-MOIP-4K-RX	RK-101 A/V ROOM	AVR-03 HDMI IN 1	SONY STR-AZ1000ES	RK-101 A/V ROOM	VERIFY MODEL [AV-4.0]	
101-D08	CAT6A	SW-01 PORT 06	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	AVR-01	SONY STR-AZ5000ES	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D09	CAT6A	SW-01 PORT 07	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	AVR-02	SONY STR-AZ1000ES	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D10	CAT6A	SW-01 PORT 08	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	AVR-03	SONY STR-AZ1000ES	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D13	CAT6A	SW-01 PORT 11	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	PDU-1	FURMAN PL-PLUS DMC	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D16	CAT6A	SW-03 PORT 02	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	VCT-01	BINARY B-900-MOIP-4K-CTRL	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D17	CAT6A	SW-03 PORT 03	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-01	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D18	CAT6A	SW-03 PORT 04	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-02	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D19	CAT6A	SW-03 PORT 05	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-03	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D20	CAT6A	SW-03 PORT 06	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-04	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D21	CAT6A	SW-03 PORT 07	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-05	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D22	CAT6A	SW-03 PORT 08	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-06	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D23	CAT6A	SW-03 PORT 09	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-07	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D24	CAT6A	SW-03 PORT 10	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TX-08	BINARY B-900-MOIP-4K-TX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D25	CAT6A	SW-03 PORT 11	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-R1	BINARY B-900-MOIP-4K-RX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D26	CAT6A	SW-03 PORT 12	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-R2	BINARY B-900-MOIP-4K-RX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	
101-D27	CAT6A	SW-03 PORT 13	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-R3	BINARY B-900-MOIP-4K-RX	RK-101 A/V ROOM	BELDEN 10GXS12 [AV-4.0]	

DESTINATION: RK-102 A/V ROOM									33 CABLES
		FROM			TO				
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES	
101-A01	LINE	CTL-01 AUDIO OUT 1	CONTROL4 C4-CORE5	RK-102 A/V ROOM	AMX-01 IN 1	TRIAD TS-AMS24	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A02	LINE	CTL-01 AUDIO OUT 2	CONTROL4 C4-CORE5	RK-102 A/V ROOM	AMX-01 IN 2	TRIAD TS-AMS24	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A03	LINE	CTL-01 AUDIO OUT 3	CONTROL4 C4-CORE5	RK-102 A/V ROOM	AMX-01 IN 3	TRIAD TS-AMS24	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A04	LINE	AMX-01 OUT 1	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-01 IN 1-2	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A05	LINE	AMX-01 OUT 2	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-01 IN 3-4	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A06	LINE	AMX-01 OUT 3	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-01 IN 5-6	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A07	LINE	AMX-01 OUT 4	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-01 IN 7-10	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A08	LINE	AMX-01 OUT 5	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-01 IN 11-14	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A09	LINE	AMX-01 OUT 6	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-01 IN 15-16	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A10	LINE	AMX-01 OUT 7	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-02 IN 1-2	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A11	LINE	AMX-01 OUT 8	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-02 IN 3-4	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A12	LINE	AMX-01 OUT 9	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-02 IN 5-6	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A13	LINE	AMX-01 OUT 10	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-02 IN 7-8	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A14	LINE	AMX-01 OUT 11	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-02 IN 9	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A15	LINE	AMX-01 OUT 12	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-02 IN 10-11	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A16	LINE	AMX-01 OUT 13	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-02 IN 12-15	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A17	LINE	AMX-01 OUT 14	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 1-2	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A18	LINE	AMX-01 OUT 15	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 3-4	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A19	LINE	AMX-01 OUT 16	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 5-6	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A20	LINE	AMX-01 OUT 17	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 7-8	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A21	LINE	AMX-01 OUT 18	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 9-10	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A22	LINE	AMX-01 OUT 19	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 11-12	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A23	LINE	AMX-01 OUT 20	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 13-14	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-A24	LINE	AMX-01 OUT 21	TRIAD TS-AMS24	RK-102 A/V ROOM	AMP-03 IN 15-16	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	BELDEN 9451 [AV-4.1]	
101-D03	CAT6A	SW-01 PORT 01	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RTR-01 LAN 1	ARAKNIS AN-520-RT	RK-102 A/V ROOM	BELDEN 10GXS12 [AV-4.1]	
101-D04	CAT6A	SW-01 PORT 02	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	SW-02 PORT 01	ARAKNIS AN-920-SW-F-24-POE	RK-102 A/V ROOM	BELDEN 10GXS12 [AV-4.1]	
101-D05	CAT6A	SW-01 PORT 03	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	SW-03 PORT 01	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	BELDEN 10GXS12 [AV-4.1]	
101-D06	CAT6A	SW-01 PORT 04	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	CTL-01	CONTROL4 C4-CORE5	RK-102 A/V ROOM	BELDEN 10GXS12 [AV-4.1]	
101-D07	C								

DESTINATION: GREAT ROOM 201

15 CABLES

		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
201-V01	HDMI	RX-06 HDMI OUT	BINARY B-900-MOIP-4K-RX	GREAT ROOM 201	TV-201 HDMI 1	OWNER FURNISHED OFE	GREAT ROOM 201	VERIFY MODEL [AV-4.3]
201-A01	LINE	AVR-02 SUB OUT	SONY STR-AZ1000ES	RK-101 A/V ROOM	SUB-201	TRIAD VERIFY MODEL	GREAT ROOM 201	BELDEN 9451 [AV-4.3]
201-C01	SHADE	SHD-01	SHADE PANEL	A/V ROOM	SH-201	BY SHADE VENDOR BY SHADE VENDOR	GREAT ROOM 201	BY SHADE VENDOR [AV-4.3]
201-C02	SHADE	SHD-01	SHADE PANEL	A/V ROOM	SH-202	BY SHADE VENDOR BY SHADE VENDOR	GREAT ROOM 201	BY SHADE VENDOR [AV-4.3]
201-C03	SHADE	SHD-01	SHADE PANEL	A/V ROOM	SH-203	BY SHADE VENDOR BY SHADE VENDOR	GREAT ROOM 201	BY SHADE VENDOR [AV-4.3]
201-D01	CAT6A	SW-03 PORT 19	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-06	BINARY B-900-MOIP-4K-RX	GREAT ROOM 201	BELDEN 10GXS12 [AV-4.3]
201-D02	CAT6A	PATCH PANEL (SPARE)	CAT6A PATCH PANEL	RK-102 A/V ROOM	TV-201 SPARE	OWNER FURNISHED OFE	GREAT ROOM 201	BELDEN 10GXS12 [AV-4.3]
201-D03	CAT6A	SW-01 PORT 16	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TS-201	CONTROL4 C4-T5IW8	GREAT ROOM 201	BELDEN 10GXS12 [AV-4.3]
201-D04	CAT6A	SW-02 PORT 06	ARAKNIS AN-920-SW-F-24-POE	RK-102 A/V ROOM	WAP-201	ARAKNIS AN-830-AP-I	GREAT ROOM 201	BELDEN 10GXS12 [AV-4.3]
201-F01	OM3	FIBER PANEL (SPARE)	LC FIBER PANEL	RK-102 A/V ROOM	TV-201 SPARE	OWNER FURNISHED OFE	GREAT ROOM 201	BELDEN FP3LDLD (LENGTH TO SUIT) [AV-4.3]
201-S01	14/2	AVR-02	SONY STR-AZ1000ES	RK-101 A/V ROOM	SPC-201	TRIAD TS-IC63	GREAT ROOM 201	BELDEN 5100UE [AV-4.3]
201-S02	14/2	AVR-02	SONY STR-AZ1000ES	RK-101 A/V ROOM	SPC-202	TRIAD TS-IC63	GREAT ROOM 201	BELDEN 5100UE [AV-4.3]
201-S03	14/2	AVR-02	SONY STR-AZ1000ES	RK-101 A/V ROOM	SPC-203	TRIAD TS-IC63	GREAT ROOM 201	BELDEN 5100UE [AV-4.3]
201-S04	14/2	AVR-02	SONY STR-AZ1000ES	RK-101 A/V ROOM	SPC-204	TRIAD TS-IC63	GREAT ROOM 201	BELDEN 5100UE [AV-4.3]
201-S05	14/2	AVR-02	SONY STR-AZ1000ES	RK-101 A/V ROOM	SPC-205	TRIAD TS-IC63	GREAT ROOM 201	BELDEN 5100UE [AV-4.3]

DESTINATION: KITCHEN 202

5 CABLES

		FROM		TO				
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
202-D01	CAT6A	SW-01 PORT 17	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TS-202	CONTROL4 C4-T5IW8	KITCHEN 202	BELDEN 10GXS12 [AV-4.5]
202-D02	CAT6A	SW-01 PORT 31	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-201 A	GENERIC DUPLEX RJ45	KITCHEN 202	BELDEN 10GXS12 [AV-4.4]
202-D03	CAT6A	SW-01 PORT 32	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-201 B	GENERIC DUPLEX RJ45	KITCHEN 202	BELDEN 10GXS12 [AV-4.4]
202-S01	14/2	AMP-01 CH 15	TRIAD TS-PAMP8-100	RK-101 A/V ROOM	SPC-206	TRIAD TS-IC63	KITCHEN 202	BELDEN 5100UE [AV-4.5]
202-S02	14/2	AMP-01 CH 16	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPC-207	TRIAD TS-IC63	KITCHEN 202	BELDEN 5100UE [AV-4.5]

DESTINATION: FORMAL DINING 203

2 CABLES

		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
203-S01	14/2	AMP-02 CH 1	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPC-208	TRIAD TS-IC63	FORMAL DINING 203	BELDEN 5100UE [AV-4.5]
203-S02	14/2	AMP-02 CH 2	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPC-209	TRIAD TS-IC63	FORMAL DINING 203	BELDEN 5100UE [AV-4.5]

DESTINATION: ENTRY 204

4 CABLES

		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
204-D01	CAT6A	SW-01 PORT 18	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DS-201	CONTROL4 C4-DS2FMKP	ENTRY 204	BELDEN 10GXS12 [AV-4.5]
204-D02	CAT6A	SW-02 PORT 07	ARAKNIS AN-920-SW-F-24-POE	RK-102 A/V ROOM	WAP-202	ARAKNIS AN-830-AP-I	ENTRY 204	BELDEN 10GXS12 [AV-4.5]
204-D03	CAT6A	SW-01 PORT 19	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TS-203	CONTROL4 C4-T5IW8	ENTRY 204	BELDEN 10GXS12 [AV-4.5]
204-D04	CAT6A	SW-03 PORT 33	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	CAM-201	LUMA LUM-820-IP-TFW	ENTRY 204	BELDEN 10GXS12 [AV-4.5]

DESTINATION: DEN 205

9 CABLES

DESTINATION: PRIMARY SUITE 206

11 CABLES

DESTINATION: PRIMARY BATH 207

2 CABLES

DESTINATION: CLOSETS 208

1 CABLE

DESTINATION: HER OFFICE 209

9 CABLES

DESTINATION: OUTDOOR LIVING 210

10 CABLES

DESTINATION: OUTDOOR DINING 211

3 CABLES

DESTINATION: SOUTH TERRACE 212

2 CABLES

DESTINATION: MAIN GARAGE 213

6 CABLES

DESTINATION: SERVICE 214

2 CABLES

CLIENT

SAMPLE RESIDENCE
SAMPLE PROJECT

ADDRESS

ANYTOWN, USA

PROJECT

CONTROL4 SMART HOME

PREPARED BY

INTEGRATOR DRAFTWORKS

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DESCRIPTION

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SYSTEM SUMMARY

VIDEO - BINARY MOIP	AV-4.0
SURROUND - SONY RECEIVERS	AV-4.0, 4.2
AUDIO - TRIAD	AV-4.1
CONTROL - CONTROL4	AV-4.1
NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1

ISSUE INFO

DATE ISSUED2026/10/03

STATUS

PRELIMINARY

NOT FOR CONSTRUCTION

STATUS CHANGES WITH "ISSUED FOR" BELOW

ISSUED FOR

☒ REVIEW

☐ COORDINATION

☐ CONSTRUCTION

☐ AS-BUILT

SHEET TITLE

CABLE SCHEDULE
MAIN LEVEL

AV - 5.1

SHEET 17 OF 20

DESTINATION: HIS OFFICE 301										12 CABLES
		FROM			TO					
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES		
301-V01	HDMI	RX-11 HDMI OUT	BINARY B-900-MOIP-4K-RX	HIS OFFICE 301	TV-301 HDMI 1	OWNER FURNISHED OFE	HIS OFFICE 301	VERIFY MODEL [AV-4.7]		
301-C01	SHADE	SHD-01	SHADE PANEL	A/V ROOM	SH-301	BY SHADE VENDOR BY SHADE VENDOR	HIS OFFICE 301	BY SHADE VENDOR [AV-4.7]		
301-C02	SHADE	SHD-01	SHADE PANEL	A/V ROOM	SH-302	BY SHADE VENDOR BY SHADE VENDOR	HIS OFFICE 301	BY SHADE VENDOR [AV-4.7]		
301-D01	CAT6A	SW-03 PORT 24	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-11	BINARY B-900-MOIP-4K-RX	HIS OFFICE 301	BELDEN 10GXS12 [AV-4.7]		
301-D02	CAT6A	PATCH PANEL (SPARE)	CAT6A PATCH PANEL	RK-102 A/V ROOM	TV-301 SPARE	OWNER FURNISHED OFE	HIS OFFICE 301	BELDEN 10GXS12 [AV-4.7]		
301-D03	CAT6A	SW-01 PORT 21	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TS-301	CONTROL4 C4-T5IW8	HIS OFFICE 301	BELDEN 10GXS12 [AV-4.7]		
301-D04	CAT6A	SW-01 PORT 43	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-301 A	GENERIC DUPLEX RJ45	HIS OFFICE 301	BELDEN 10GXS12 [AV-4.5]		
301-D05	CAT6A	SW-01 PORT 44	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-301 B	GENERIC DUPLEX RJ45	HIS OFFICE 301	BELDEN 10GXS12 [AV-4.5]		
301-D06	CAT6A	SW-02 PORT 11	ARAKNIS AN-920-SW-F-24-POE	RK-102 A/V ROOM	WAP-301	ARAKNIS AN-830-AP-I	HIS OFFICE 301	BELDEN 10GXS12 [AV-4.7]		
301-F01	OM3	FIBER PANEL (SPARE)	LC FIBER PANEL	RK-102 A/V ROOM	TV-301 SPARE	OWNER FURNISHED OFE	HIS OFFICE 301	BELDEN FP3DLD (LENGTH TO SUIT) [AV-4.7]		
301-S01	14/2	AMP-03 CH 5	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPC-301	TRIAD TS-IC63	HIS OFFICE 301	BELDEN 5100UE [AV-4.7]		
301-S02	14/2	AMP-03 CH 6	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPC-302	TRIAD TS-IC63	HIS OFFICE 301	BELDEN 5100UE [AV-4.7]		

DESTINATION: GUEST DEN 302								8 CABLES
		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
302-V01	HDMI	RX-12 HDMI OUT	BINARY B-900-MOIP-4K-RX	GUEST DEN 302	TV-302 HDMI 1	OWNER FURNISHED OFE	GUEST DEN 302	VERIFY MODEL [AV-4.7]
302-C01	SHADE	SHD-01	SHADE PANEL	A/V ROOM	SH-303	BY SHADE VENDOR BY SHADE VENDOR	GUEST DEN 302	BY SHADE VENDOR [AV-4.7]
302-D01	CAT6A	SW-03 PORT 25	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-12	BINARY B-900-MOIP-4K-RX	GUEST DEN 302	BELDEN 10GXS12 [AV-4.7]
302-D02	CAT6A	PATCH PANEL (SPARE)	CAT6A PATCH PANEL	RK-102 A/V ROOM	TV-302 SPARE	OWNER FURNISHED OFE	GUEST DEN 302	BELDEN 10GXS12 [AV-4.7]
302-D03	CAT6A	SW-01 PORT 22	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	TS-302	CONTROL4 C4-T5IW8	GUEST DEN 302	BELDEN 10GXS12 [AV-4.7]
302-F01	OM3	FIBER PANEL (SPARE)	LC FIBER PANEL	RK-102 A/V ROOM	TV-302 SPARE	OWNER FURNISHED OFE	GUEST DEN 302	BELDEN FP3LDD (LENGTH TO SUIT) [AV-4.7]
302-S01	14/2	AMP-03 CH 7	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPC-303	TRIAD TS-IC63	GUEST DEN 302	BELDEN 5100UE [AV-4.7]
302-S02	14/2	AMP-03 CH 8	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPC-304	TRIAD TS-IC63	GUEST DEN 302	BELDEN 5100UE [AV-4.7]

DESTINATION: GUEST BED 2 303								8 CABLES
		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
303-V01	HDMI	RX-13 HDMI OUT	BINARY 8-900-MOIP-4K-RX	GUEST BED 2 303	TV-303 HDMI 1	OWNER FURNISHED OFE	GUEST BED 2 303	VERIFY MODEL [AV-4.7]
303-D01	CAT6A	SW-03 PORT 26	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-13	BINARY 8-900-MOIP-4K-RX	GUEST BED 2 303	BELDEN 10GXS12 [AV-4.7]
303-D02	CAT6A	PATCH PANEL (SPARE)	CAT6A PATCH PANEL	RK-102 A/V ROOM	TV-303 SPARE	OWNER FURNISHED OFE	GUEST BED 2 303	BELDEN 10GXS12 [AV-4.7]
303-D03	CAT6A	SW-01 PORT 45	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-302 A	GENERIC DUPLEX RJ45	GUEST BED 2 303	BELDEN 10GXS12 [AV-4.5]
303-D04	CAT6A	SW-01 PORT 46	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-302 B	GENERIC DUPLEX RJ45	GUEST BED 2 303	BELDEN 10GXS12 [AV-4.5]
303-F01	OM3	FIBER PANEL (SPARE)	LC FIBER PANEL	RK-102 A/V ROOM	TV-303 SPARE	OWNER FURNISHED OFE	GUEST BED 2 303	BELDEN FP3LDD (LENGTH TO SUIT) [AV-4.7]
303-S01	14/2	AMP-03 CH 9	TRIAD TS-PAMPB-100	RK-102 A/V ROOM	SPC-305	TRIAD TS-IC63	GUEST BED 2 303	BELDEN 5100UE [AV-4.7]
303-S02	14/2	AMP-03 CH 10	TRIAD TS-PAMPB-100	RK-102 A/V ROOM	SPC-306	TRIAD TS-IC63	GUEST BED 2 303	BELDEN 5100UE [AV-4.7]

DESTINATION: GUEST BED 1 304								8 CABLES
		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
304-V01	HDMI	RX-14 HDMI OUT	BINARY B-900-MOIP-4K-RX	GUEST BED 1 304	TV-304 HDMI 1	OWNER FURNISHED OFE	GUEST BED 1 304	VERIFY MODEL [AV-4.7]
304-D01	CAT6A	SW-03 PORT 27	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	RX-14	BINARY B-900-MOIP-4K-RX	GUEST BED 1 304	BELDEN 10GXS12 [AV-4.7]
304-D02	CAT6A	PATCH PANEL (SPARE)	CAT6A PATCH PANEL	RK-102 A/V ROOM	TV-304 SPARE	OWNER FURNISHED OFE	GUEST BED 1 304	BELDEN 10GXS12 [AV-4.7]
304-D03	CAT6A	SW-01 PORT 47	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-303 A	GENERIC DUPLEX RJ45	GUEST BED 1 304	BELDEN 10GXS12 [AV-4.5]
304-D04	CAT6A	SW-01 PORT 48	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	DD-303 B	GENERIC DUPLEX RJ45	GUEST BED 1 304	BELDEN 10GXS12 [AV-4.5]
304-F01	OM3	FIBER PANEL (SPARE)	LC FIBER PANEL	RK-102 A/V ROOM	TV-304 SPARE	OWNER FURNISHED OFE	GUEST BED 1 304	BELDEN FP3LDD (LENGTH TO SUIT) [AV-4.7]
304-S01	14/2	AMP-03 CH 11	TRIAD TS-PAMPB-100	RK-102 A/V ROOM	SPC-307	TRIAD TS-IC63	GUEST BED 1 304	BELDEN 5100UE [AV-4.7]
304-S02	14/2	AMP-03 CH 12	TRIAD TS-PAMPB-100	RK-102 A/V ROOM	SPC-308	TRIAD TS-IC63	GUEST BED 1 304	BELDEN 5100UE [AV-4.7]

DESTINATION: UPPER HALL 305								1 CABLE
		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
305-D01	CAT6A	SW-02 PORT 12	ARAKNIS AN-920-SW-F-24-POE	RK-102 A/V ROOM	WAP-302	ARAKNIS AN-830-AP-I	UPPER HALL 305	BELDEN 10GXS12 [AV-4.7]

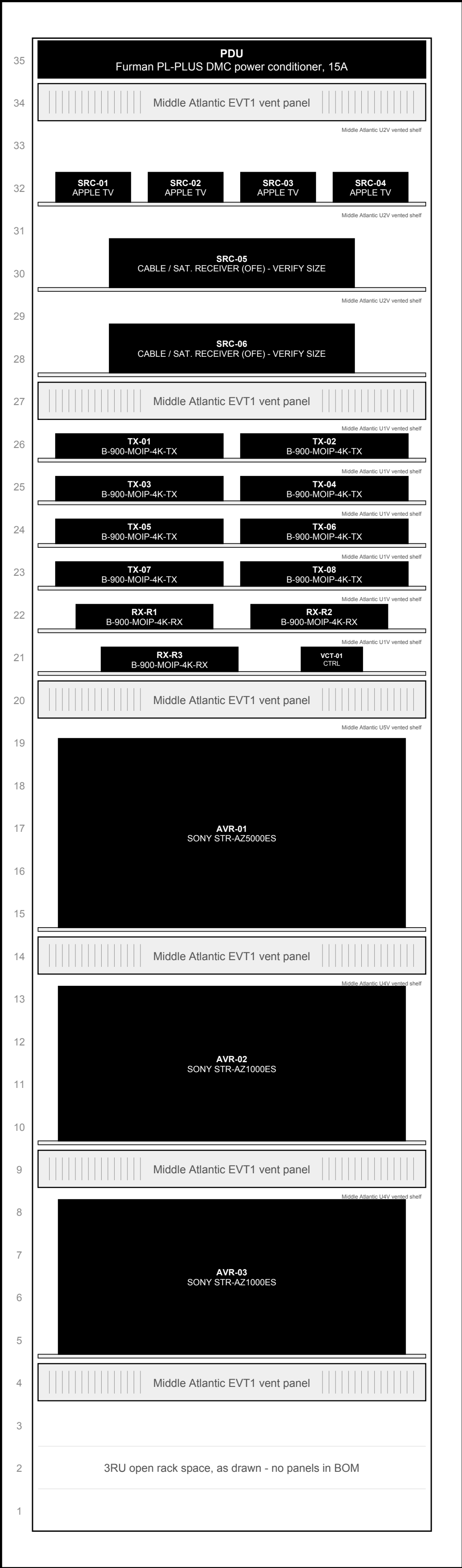
DESTINATION: COVERED PATIO 306								3 CABLES
		FROM			TO			
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION	LOCATION	NOTES
306-D01	CAT6A	SW-03 PORT 39	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	CAM-301	LUMA LUM-820-IP-TFW	COVERED PATIO 306	BELDEN 10GXS12 [AV-4.7]
306-S01	14/2 DB	AMP-03 CH 13	TRIAD TS-PAMPB-100	RK-102 A/V ROOM	SPO-301	TRIAD TS-OD26	COVERED PATIO 306	WEST PENN AQCC226 [AV-4.7]
306-S02	14/2 DB	AMP-03 CH 14	TRIAD TS-PAMPB-100	RK-102 A/V ROOM	SPO-302	TRIAD TS-OD26	COVERED PATIO 306	WEST PENN AQCC226 [AV-4.7]

DESTINATION: PUTTING GREEN 307										4 CABLES
		FROM			TO					
CABLE	TYPE	IDENTIFIER	SOURCE	LOCATION	IDENTIFIER	DESTINATION		LOCATION	NOTES	
307-001	CAT6A	SW-03 PORT 40	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	CAM-302	LUMA LUM-820-IP-TFW		PUTTING GREEN 307	BELDEN 10GXS12 [AV-4.7]	
307-002	CAT6A	SW-03 PORT 41	ARAKNIS AN-420-SW-F-48-POE	RK-102 A/V ROOM	CAM-303	LUMA LUM-820-IP-TFW		PUTTING GREEN 307	BELDEN 10GXS12 [AV-4.7]	
307-501	14/2 DB	AMP-03 CH 15	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPO-303	TRIAD TS-0D26		PUTTING GREEN 307	WEST PENN AQC226 [AV-4.7]	
307-502	14/2 DB	AMP-03 CH 16	TRIAD TS-PAMP8-100	RK-102 A/V ROOM	SPO-304	TRIAD TS-0D26		PUTTING GREEN 307	WEST PENN AQC226 [AV-4.7]	

CLIENT
SAMPLE RESIDENCE SAMPLE PROJECT
ADDRESS
ANYTOWN, USA
PROJECT
CONTROL4 SMART HOME
PREPARED BY
 INTEGRATOR DRAFTWORKS AV SYSTEM DRAFTING (505) 527-2959 INTEGRATORDRAFTWORKS.COM JAMESAVDRAFTING@GMAIL.COM © 2026 INTEGRATOR DRAFTWORKS ORIGINAL WORK - DO NOT COPY OR REUSE WITHOUT WRITTEN PERMISSION
DESCRIPTION
AUDIO VISUAL SYSTEMS

SYSTEM SUMMARY	
VIDEO - BINARY MOIP	AV-4.0
SURROUND - SONY RECEIVERS	AV-4.0, 4.2
AUDIO - TRIAD	AV-4.1
CONTROL - CONTROL4	AV-4.1
NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1
ISSUE INFO	
DATE ISSUED	2026/10/03
STATUS	
PRELIMINARY NOT FOR CONSTRUCTION STATUS CHANGES WITH "ISSUED FOR" BELOW	
ISSUED FOR	
☒ REVIEW	☐ COORDINATION
☐ CONSTRUCTION	☐ AS-BUILT
SHEET TITLE	
CABLE SCHEDULE UPPER LEVEL	
AV - 5.2	
SHEET 18 OF 20	

FRONT ELEVATION - 35RU EQUIPMENT RACK - RK-101



MIDDLE ATLANTIC ERK-3525
35RU EQUIPMENT RACK - RK-101

POWER

CONNECTED LOAD	BRANCH CIRCUIT
8.93 A	1 x 20A DEDICATED
PDU-1 Furman PL-PLUS DMC power conditioner, 15A	0.10 A
VCT-01 Binary B-900-MOIP-4K-CTRL video-over-IP controller	0.04 A
AVR-01 Sony STR-AZ5000ES	4.17 A
AVR-02 Sony STR-AZ1000ES	2.00 A
AVR-03 Sony STR-AZ1000ES	2.00 A
SRC-01..04 Apple TV 4K streaming players (OFE), 4 x 6 W	0.20 A
SRC-05..06 Cable / satellite receivers (OFE), 2 x 25 W	0.42 A
POWER CONDITIONERS SHOWN	1

HEAT AND COOLING

RACK HEAT	FAN KIT
3,936 BTU/hr	285 CFM (103 SPARE)
Net rack heat, all devices at maximum power	1,153.5 W / 3,936 BTU/hr
Design temperature rise	20 deg F
CFM required = BTU/hr / (1.08 x dT)	182 CFM
Fan kit supplied	ERK-4FT-285CFM FAN TOP - 285 CFM

CLIENT

SAMPLE RESIDENCE
SAMPLE PROJECT

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ANYTOWN, USA

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CONTROL4 SMART HOME

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DRAFTWORKS

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NETWORK - ARAKNIS	AV-4.1
CAMERAS - LUMA	AV-4.1

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STATUS

PRELIMINARY

NOT FOR CONSTRUCTION

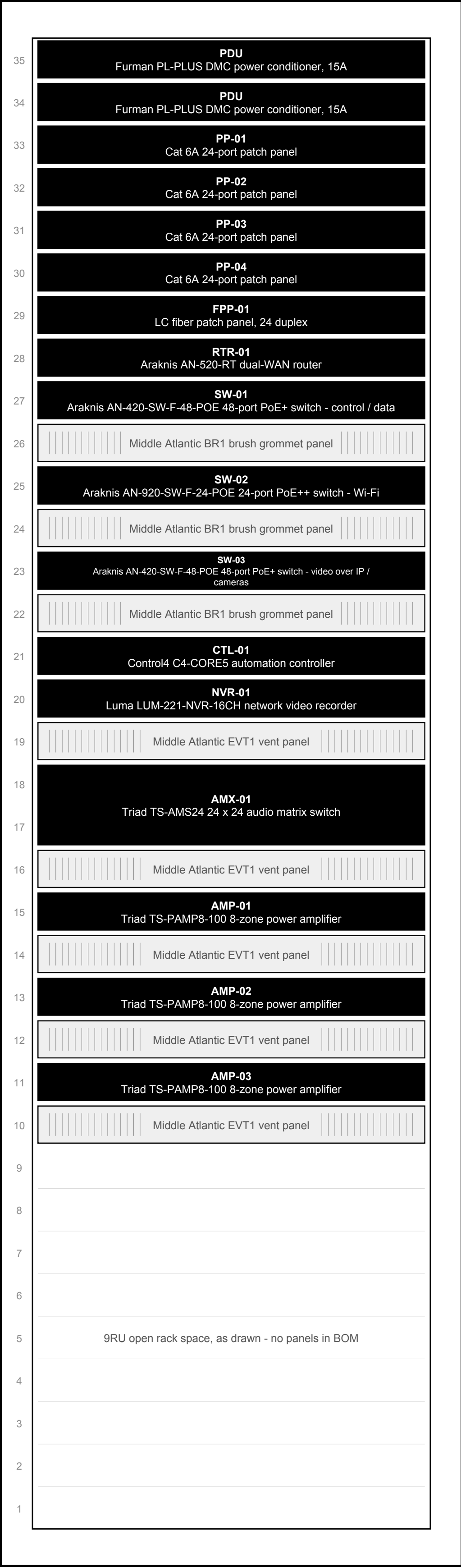
STATUS CHANGES WITH "ISSUED FOR" BELOW

ISSUED FOR	
☒ REVIEW	☐ COORDINATION
☐ CONSTRUCTION	☐ AS-BUILT

SHEET TITLE

RACK ELEVATION
RK-101 AV ROOM 101

FRONT ELEVATION - 35RU EQUIPMENT RACK - RK-102



MIDDLE ATLANTIC ERK-3525
35RU EQUIPMENT RACK - RK-102

POWER

CONNECTED LOAD	BRANCH CIRCUIT
16.03 A	2 x 20A DEDICATED
PDU-2 Furman PL-PLUS DMC power conditioner, 15A	0.10 A
PDU-3 Furman PL-PLUS DMC power conditioner, 15A	0.10 A
RTR-01 Araknis AN-520-RT dual-WAN router	0.25 A
SW-01 Araknis AN-420-SW-F-48-POE 48-port PoE+ switch - control / data - 63.5 W + PoE 117.0 W max / 0.90	1.61 A
SW-02 Araknis AN-920-SW-F-24-POE 24-port PoE++ switch - Wi-Fi - 175.8 W + PoE 543.5 W max / 0.90	6.50 A
SW-03 Araknis AN-420-SW-F-48-POE 48-port PoE+ switch - video over IP / cameras - 63.5 W + PoE 313.5 W max / 0.90	3.43 A
CTL-01 Control4 C4-CORE5 automation controller	0.33 A
NVR-01 Luma LUM-221-NVR-16CH network video recorder	0.17 A
AMX-01 Triad TS-AMS24 24 x 24 audio matrix switch	0.17 A
AMP-01 Triad TS-PAMP8-100 8-zone power amplifier	1.08 A
AMP-02 Triad TS-PAMP8-100 8-zone power amplifier	1.08 A
AMP-03 Triad TS-PAMP8-100 8-zone power amplifier	1.08 A
MDM-01 ISP modem / ONT (OFE)	0.12 A
POWER CONDITIONERS SHOWN	2

HEAT AND COOLING

RACK HEAT	FAN KIT
5,925 BTU/hr	285 CFM (11 SPARE)
Net rack heat, all devices at maximum power, incl. PoE to field devices	1,736.5 W / 5,925 BTU/hr
Design temperature rise	20 deg F
CFM required = BTU/hr / (1.08 x dT)	274 CFM
Fan kit supplied	ERK-4FT-285CFM FAN TOP - 285 CFM

CLIENT

SAMPLE RESIDENCE
SAMPLE PROJECT

ADDRESS

ANYTOWN, USA

PROJECT

CONTROL4 SMART HOME

PREPARED BY



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☐ CONSTRUCTION

☐ AS-BUILT

SHEET TITLE

RACK ELEVATION
RK-102 AV ROOM 101

AV - 5.4