AV CABLE SCHEDULE

SAMPLE - ENCLAVE, PUBLIC ENGAGEMENT, MOBILE CART - SINGLE LINE DIAGRAM

Client: Removed under NDA
Project: Corporate HQ (details removed under NDA)
Dwg Ref No: AV-301
Room/s: Enclave 208 & 216, Public Engagement 100, Mobile Cart 101/103/205/207
Drawn By: KENNY AV SOLUTION
Checked By: -

Revision: A
Status: FOR REVIEW
Drawing Title: ENCLAVE, PUBLIC ENGAGEMENT, MOBILE CART - SINGLE LINE DIAGRAM
Room Code: ENC/PE/MC
Proj Eng: -
Proj Mgr: -

Notes: Logi. Column: P = Pre-Made Cable, R = Rack Cable, RI = Rough-In Cable, FO = Fit-Off Cable | "103" = Conduit/Pathway Reference

FLOW 1: ENCLAVE 208 & 216 - SINGLE LINE DIAGRAM

Room/Area #	Cable #	Cable ID	Source	Source Abbreviated	Location	Conn.	Destination	Destination Abbreviated	Location	Conn.	Cable Type	Cable Length	Product Code	Logi.	Thru/Note	Signal Type	Cable Make	Cable Model
ENC	1	V101	HDMI & USB Faceplate	FACEPLATE	Wall	HDMI	HDMI to USB-C Converter	CON-01	Wall	HDMI	HDMI			FO	Comprehensive COWPPTHDU3AB → Barco R9861581	Video	Generic	HDMI 2.0
ENC	2	1U001	HDMI to USB-C Converter	CON-01	Wall	USB-C	Video Bar	VB-01	Wall	USB-C TO PC	USB-C			FO	Barco R9861581 → Barco ClickShare Bar Pro	Data	Generic	USB-C
ENC	3	V102	Video Bar	VB-01	Wall	HDMI	50" Display	MON-01	Front Wall	HDMI 1 IN	HDMI			FO	Barco ClickShare Bar Pro → LG 50UR340C	Video	Generic	HDMI 2.0
ENC	4	1C101	Button Controller	CTRL-01	Front Wall	COM / RS-232	50" Display	MON-01	Front Wall	RS-232C IN 3.5S	Belden 8761			FO	Extron MLC PLUS 100 → LG 50UR340C	Control	Belden	8761
ENC	5	1D100	Video Bar	VB-01	Wall	LAN RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Barco ClickShare Bar Pro → Network / Conduit 103	Data	Belden	10GXE02
ENC	6	P001	Wall Wart / DC Power	WW	Wall	DC 19V	Video Bar	VB-01	Wall	19V DC	DC Power			FO	Barco ClickShare Bar Pro Power	Power	Generic	DC Barrel
ENC	7	P002	NEMA Outlet	PWR	Front Wall	NEMA	50" Display	MON-01	Front Wall	IEC 100-240V AC	IEC Power			FO	LG 50UR340C Power	Power	Generic	IEC C13

FLOW 2: PUBLIC ENGAGEMENT 100 - SINGLE LINE DIAGRAM

Room/Area #	Cable #	Cable ID	Source	Source Abbreviated	Location	Conn.	Destination	Destination Abbreviated	Location	Conn.	Cable Type	Cable Length	Product Code	Logi.	Thru/Note	Signal Type	Cable Make	Cable Model
PE	1	1D101	Transmitter Wallplate	WP-01	Floor Box	HDBaseT OUT RJ45	Switcher	SW-01	AV Closet	LINK IN RJ45	Cat6A			RI	Extron DTP T HWP 4K 231D → Extron DTP3 IN2004 / Conduit 103	Data	Belden	10GXE02
PE	2	V101	Wireless Presentation	WRX-01	AV Closet	HDMI OUT	Switcher	SW-01	AV Closet	HDMI IN 1	HDMI			P	Barco CX-20 → Extron DTP3 IN2004	Video	Generic	HDMI 2.0
PE	3	V102	Media Player	MP-01	AV Closet	HDMI OUT	Switcher	SW-01	AV Closet	HDMI IN 2	HDMI			P	BrightSign LS445 → Extron DTP3 IN2004	Video	Generic	HDMI 2.0
PE	4	V103	Switcher	SW-01	AV Closet	1A HDMI OUT	86" Display	MON-01	Front Wall	HDMI 1 IN	HDMI			FO	Extron DTP3 IN2004 → Planar URP862	Video	Generic	HDMI 2.0
PE	5	1C101	Switcher	SW-01	AV Closet	RS-232	86" Display	MON-01	Front Wall	RS-232 DB9	Belden 8761			FO	Extron DTP3 IN2004 → Planar URP862 Control	Control	Belden	8761
PE	6	1D102	Button Controller	CTRL-01	Front Wall	RJ45 LAN/POE	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Extron MLC PLUS 100 → Network	Data	Belden	10GXE02
PE	7	1D103	Wireless Presentation	WRX-01	AV Closet	LAN RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Barco CX-20 → Network	Data	Belden	10GXE02
PE	8	1D104	Media Player	MP-01	AV Closet	RJ45 ETHERNET	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	BrightSign LS445 → Network	Data	Belden	10GXE02
PE	9	1D105	Display	MON-01	Front Wall	LAN RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Planar URP862 → Network	Data	Belden	10GXE02
PE	10	P001	NEMA Outlet	PWR	AV Closet	NEMA	Wireless Presentation	WRX-01	AV Closet	IEC 100-240V AC	IEC Power			RI	Barco CX-20 Power	Power	Generic	IEC C13
PE	11	P002	NEMA Outlet	PWR	AV Closet	NEMA	Media Player	MP-01	AV Closet	DC 12V PHX	DC Power			RI	BrightSign LS445 Power	Power	Generic	DC PHX
PE	12	P003	NEMA Outlet	PWR	AV Closet	NEMA	Switcher	SW-01	AV Closet	IEC 100-240V AC	IEC Power			RI	Extron DTP3 IN2004 Power	Power	Generic	IEC C13
PE	13	P004	NEMA Outlet	PWR	Front Wall	NEMA	Display	MON-01	Front Wall	IEC 100-240V AC IN	IEC Power			FO	Planar URP862 Power	Power	Generic	IEC C13

FLOW 3: MOBILE CART 101, 103, 205 & 207 - SINGLE LINE DIAGRAM

Room/Area #	Cable #	Cable ID	Source	Source Abbreviated	Location	Conn.	Destination	Destination Abbreviated	Location	Conn.	Cable Type	Cable Length	Product Code	Logi.	Thru/Note	Signal Type	Cable Make	Cable Model
MC	1	V101	Form Laptop	LAPTOP	Cart	HDMI	86" Display	MON-01	Cart	HDMI 1 IN	HDMI			FO	Laptop → LG 86UR340C9UD / STARTECH 1110C Mobile Cart	Video	Generic	HDMI 2.0
MC	2	P001	Power Distribution Unit	PDU-01	Cart	NEMA 1 (Switched)	86" Display	MON-01	Cart	IEC 100-240V AC	IEC Power			FO	Tripplite TLP620DB → LG 86UR340C9UD	Power	Generic	IEC C13
MC	3	P101	NEMA Wall Outlet	PWR	Wall	NEMA	Power Distribution Unit	PDU-01	Cart	IEC 100-240VAC	IEC Power			FO	Wall → Tripplite TLP620DB / Cart Mounted	Power	Generic	IEC C13

AV CABLE SCHEDULE

SAMPLE - CLASSROOM 205 & 206 - SINGLE LINE DIAGRAM

Client: Removed under NDA
Project: Corporate HQ (details removed under NDA)
Dwg Ref No: AV-302
Room/s: Classroom 205 & 206
Drawn By: KENNY AV SOLUTION
Checked By: -

Revision: A
Status: FOR REVIEW
Drawing Title: CLASSROOM 205 & 206 - SINGLE LINE DIAGRAM
Room Code: CLS
Proj Eng: -
Proj Mgr: -

Notes: Logi. Column: P = Pre-Made Cable, R = Rack Cable, RI = Rough-In Cable, FO = Fit-Off Cable | "103" = Conduit/Pathway Reference

CLASSROOM 205 & 206 - SINGLE LINE DIAGRAM

Room/Area #	Cable #	Cable ID	Source	Source Abbreviated	Location	Conn.	Destination	Destination Abbreviated	Location	Conn.	Cable Type	Cable Length	Product Code	Logi.	Thru/Note	Signal Type	Cable Make	Cable Model
CLS	1	V101	PTZ Camera (Front)	CAM-01	Front Wall	HDMI	Camera End Sound Control (Front)	CE-01	Front Wall	VIDEO IN HDMI	HDMI			FO	Aver PTR323NV2 → Aver RC-SDA4+CE	Video	Generic	HDMI 2.0
CLS	2	1D101	Camera End Sound Control (Front)	CE-01	Front Wall	SCTLINK RJ45	Head End Sound Control (Front)	HE-01	AV Rack	SCTLINK RJ45	Cat6A			RI	Aver RC-SDA4+CE → Aver RC-SDA4+HE / Conduit 103	Data	Belden	10GXE02
CLS	3	1C101	PTZ Camera (Front)	CAM-01	Front Wall	RS-232 8PIN	Camera End Sound Control (Front)	CE-01	Front Wall	VISCA LOOP RJ45	Cat5e			FO	Camera VISCA Control	Control	Belden	Cat5e
CLS	4	V104	Head End Sound Control (Front)	HE-01	AV Rack	1 HDMI	Matrix Switcher	SW-01	AV Rack	HDMI IN 2	HDMI			P	Aver RC-SDA4+HE → Extron DTP CROSSPOINT 82	Video	Generic	HDMI 2.0
CLS	5	V102	PTZ Camera (Rear)	CAM-02	Rear Wall	HDMI	Camera End Sound Control (Rear)	CE-02	Rear Wall	VIDEO IN HDMI	HDMI			FO	Aver PTR323NV2 → Aver RC-SDA4+CE	Video	Generic	HDMI 2.0
CLS	6	1D102	Camera End Sound Control (Rear)	CE-02	Rear Wall	SCTLINK RJ45	Head End Sound Control (Rear)	HE-02	AV Rack	SCTLINK RJ45	Cat6A			RI	Aver RC-SDA4+CE → Aver RC-SDA4+HE / Conduit 103	Data	Belden	10GXE02
CLS	7	1C102	PTZ Camera (Rear)	CAM-02	Rear Wall	RS-232 8PIN	Camera End Sound Control (Rear)	CE-02	Rear Wall	VISCA LOOP RJ45	Cat5e			FO	Camera VISCA Control	Control	Belden	Cat5e
CLS	8	V105	Head End Sound Control (Rear)	HE-02	AV Rack	1 HDMI	Matrix Switcher	SW-01	AV Rack	HDMI IN 3	HDMI			P	Aver RC-SDA4+HE → Extron DTP CROSSPOINT 82	Video	Generic	HDMI 2.0
CLS	9	V103	Wireless Presentation	WRX-01	AV Rack	HDMI OUT	Matrix Switcher	SW-01	AV Rack	HDMI IN 1	HDMI			P	Barco CX-20 → Extron DTP CROSSPOINT 82	Video	Generic	HDMI 2.0
CLS	10	1D103	Transmitter Wallplate (Front)	WP-01	Front Wall	HDBaseT OUT RJ45	Matrix Switcher	SW-01	AV Rack	XTP/DTP IN 7 RJ45	Cat6A			RI	Extron DTP T HWP 4K 231D → DTP CROSSPOINT 82 / Conduit 103	Data	Belden	10GXE02
CLS	11	1D104	Transmitter Wallplate (Rear)	WP-02	Rear Wall / Poke Thru	HDBaseT OUT RJ45	Matrix Switcher	SW-01	AV Rack	XTP/DTP IN 8 RJ45	Cat6A			RI	Extron DTP T HWP 4K 231D → DTP CROSSPOINT 82 / Conduit 103	Data	Belden	10GXE02
CLS	12	1D112	Matrix Switcher	SW-01	AV Rack	XTP/DTP OUT RJ45	DTP Receiver	RX-01	AV Rack	DTP IN RJ45	Cat6A			P	Extron DTP CROSSPOINT 82 → DTP HDMI 4K 230 RX	Data	Belden	10GXE02
CLS	13	V107	DTP Receiver	RX-01	AV Rack	HDMI OUT	86" Display	MON-01	Front Wall	HDMI 1 IN	HDMI			FO	Extron DTP HDMI 4K 230 RX → LG 86UR340C9UD	Video	Generic	HDMI 2.0
CLS	14	V106	Matrix Switcher	SW-01	AV Rack	1A HDMI OUT	AV Bridge	AV BRIDGE-01	AV Rack	HDMI	HDMI			P	Extron DTP CROSSPOINT 82 → Vaddio 999-8210-000	Video	Generic	HDMI 2.0
CLS	15	1D105	C2G USB Extender TX (Front)	TX-01	Front Wall	LINK RJ45	C2G USB Extender RX (Front)	RX-01	AV Rack	LINK RJ45	Cat6A			RI	C2G Transmitter 54289 → C2G Receiver 54289 / Conduit 103	Data	Belden	10GXE02
CLS	16	1U001	C2G USB Extender RX (Front)	RX-01	AV Rack	USB-B	USB Switcher	USB SW-01	AV Rack	USB IN 1 USB-B	USB-B			P	C2G Receiver → Extron SW USB	Data	Generic	USB 2.0
CLS	17	1D106	C2G USB Extender TX (Rear)	TX-02	Rear Wall / Poke Thru	LINK RJ45	C2G USB Extender RX (Rear)	RX-02	AV Rack	LINK RJ45	Cat6A			RI	C2G Transmitter 54289 → C2G Receiver 54289 / Conduit 103	Data	Belden	10GXE02
CLS	18	1U002	C2G USB Extender RX (Rear)	RX-02	AV Rack	USB-B	USB Switcher	USB SW-01	AV Rack	USB IN 2 USB-B	USB-B			P	C2G Receiver → Extron SW USB	Data	Generic	USB 2.0
CLS	19	1U003	USB Switcher	USB SW-01	AV Rack	USB OUT 1 USB-A	AV Bridge	AV BRIDGE-01	AV Rack	USB-B	USB-A			P	Extron SW USB → Vaddio 999-8210-000	Data	Generic	USB 3.0
CLS	20	A001	Matrix Switcher	SW-01	AV Rack	MIC/LINE IN 1 PHX	Digital Signal Processor	DSP-01	AV Rack	INPUT 1 PHX	Belden 8761			P	Extron DTP CROSSPOINT 82 → Biamp TesiraForte DAN VT	Audio	Belden	8761
CLS	21	1A001	Digital Signal Processor	DSP-01	AV Rack	OUTPUT 1 PHX	Power Amplifier	PA-01	AV Rack	INPUT L PHX	Belden 8761			P	Biamp TesiraForte DAN VT → Extron XPA-2001-70V	Audio	Belden	8761
CLS	22	1A002	Digital Signal Processor	DSP-01	AV Rack	OUTPUT 4 PHX	AV Bridge	AV BRIDGE-01	AV Rack	XL3M L (1A002A) / R (1A002B)	Belden 8761			P	Biamp TesiraForte → Vaddio AV Bridge (L+R)	Audio	Belden	8761
CLS	23	2A003	Power Amplifier	PA-01	AV Rack	70V OUT PHX	Ceiling Speaker #01	SPK-01	Ceiling	IN PHX	Belden 8471			RI	Extron XPA-2001-70V → Extron SF 26CT / TAP @ 15W	Audio	Belden	8471
CLS	24	2A004	Ceiling Speaker #01	SPK-01	Ceiling	LOOP OUT PHX	Ceiling Speaker #02	SPK-02	Ceiling	IN PHX	Belden 8471			RI	Extron SF 26CT → Extron SF 26CT / Daisy Chain / TAP @ 15W	Audio	Belden	8471
CLS	25	1C103	Control Processor	CTRL-01	AV Rack	COM 2 PHX	Head End Sound Control (Front)	HE-01	AV Rack	RS-232 RJ45	Belden 8761			P	Extron IPCP PRO 350 XI → Aver RC-SDA4+HE / Camera PTZ Control	Control	Belden	8761
CLS	26	1C104	Control Processor	CTRL-01	AV Rack	COM 1 PHX	Head End Sound Control (Rear)	HE-02	AV Rack	RS-232 RJ45	Belden 8761			P	Extron IPCP PRO 350 XI → Aver RC-SDA4+HE / Camera PTZ Control	Control	Belden	8761
CLS	27	1C105	Control Processor	CTRL-01	AV Rack	COM 3 PHX	USB Switcher	USB SW-01	AV Rack	RS-232 PHX	Belden 8761			P	Extron IPCP PRO 350 XI → Extron SW USB	Control	Belden	8761
CLS	28	1C106	Control Processor	CTRL-01	AV Rack	IR/SERIAL PHX	86" Display	MON-01	Front Wall	RS-232C IN 3.5S	Belden 8761			FO	Extron IPCP PRO 350 XI → LG 86UR340C9UD	Control	Belden	8761
CLS	29	1D107	Touch Panel	TP-01	Wall	USB MICRB POE RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Extron TLP PRO 1025M → Network / Conduit 103	Data	Belden	10GXE02
CLS	30	1D108	Mic Array	MIC-01	Ceiling	LAN/DANTE RJ45	Building Network	BLDG NET	Ceiling	RJ45	Cat6A			RI	Shure MXA920 → Network / Dante / Conduit 103	Audio	Belden	10GXE02
CLS	31	1D109	Wireless Presentation	WRX-01	AV Rack	LAN RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Barco CX-20 → Network / Conduit 103	Data	Belden	10GXE02
CLS	32	1D110	Control Processor	CTRL-01	AV Rack	LAN 1 RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Extron IPCP PRO 350 XI → Network / Conduit 103	Data	Belden	10GXE02
CLS	33	1D111	Matrix Switcher	SW-01	AV Rack	LAN RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Extron DTP CROSSPOINT 82 → Network / Conduit 103	Data	Belden	10GXE02
CLS	34	1D113	Digital Signal Processor	DSP-01	AV Rack	VOIP RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Biamp TesiraForte DAN VT → Network / VOIP / Conduit 103	Data	Belden	10GXE02
CLS	35	1D114	Digital Signal Processor	DSP-01	AV Rack	CONTROL RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Biamp TesiraForte DAN VT → Network / Control / Conduit 103	Data	Belden	10GXE02
CLS	36	1D115	Digital Signal Processor	DSP-01	AV Rack	DANTE RJ45	Building Network	BLDG NET	Wall	RJ45	Cat6A			RI	Biamp TesiraForte DAN VT → Network / Dante / Conduit 103	Data	Belden	10GXE02
CLS	39	P001	NEMA Outlet	PWR	AV Rack	NEMA	Wireless Presentation	WRX-01	AV Rack	IEC 100-240V AC	IEC Power			R	Barco CX-20 Power	Power	Generic	IEC C13
CLS	40	P002	NEMA Outlet	PWR	AV Rack	NEMA	Head End Sound Control (Front)	HE-01	AV Rack	DC 30V	DC Power			R	Aver RC-SDA4+HE Power	Power	Generic	DC
CLS	41	P003	NEMA Outlet	PWR	AV Rack	NEMA	Head End Sound Control (Rear)	HE-02	AV Rack	DC 30V	DC Power			R	Aver RC-SDA4+HE Power	Power	Generic	DC
CLS	42	P004	NEMA Outlet	PWR	AV Rack	NEMA	Control Processor	CTRL-01	AV Rack	DC 12V PHX	DC Power			R	Extron IPCP PRO 350 XI Power	Power	Generic	DC PHX
CLS	43	P005	NEMA Outlet	PWR	AV Rack	NEMA	Matrix Switcher	SW-01	AV Rack	IEC 100-240V AC	IEC Power			R	Extron DTP CROSSPOINT 82 Power	Power	Generic	IEC C13
CLS	44	P006	NEMA Outlet	PWR	AV Rack	NEMA	USB Switcher	USB SW-01	AV Rack	DC 12V PHX	DC Power			R	Extron SW USB Power	Power	Generic	DC PHX
CLS	45	P007	NEMA Outlet	PWR	AV Rack	NEMA	Digital Signal Processor	DSP-01	AV Rack	IEC 100-240V AC	IEC Power			R	Biamp TesiraForte DAN VT Power	Power	Generic	IEC C13
CLS	46	P008	NEMA Outlet	PWR	AV Rack	NEMA	AV Bridge	AV BRIDGE-01	AV Rack	DC 18V	DC Power			R	Vaddio 999-8210-000 Power	Power	Generic	DC
CLS	47	P009	NEMA Outlet	PWR	AV Rack	NEMA	Power Amplifier	PA-01	AV Rack	IEC 100-240V AC	IEC Power			R	Extron XPA-2001-70V Power	Power	Generic	IEC C13
CLS	48	P010	NEMA Outlet	PWR	Front Wall	NEMA	86" Display	MON-01	Front Wall	IEC 100-240V AC	IEC Power			FO	LG 86UR340C9UD Power	Power	Generic	IEC C13

CABLE TOTALS SUMMARY - SAMPLE PROJECT

Cable Type	AV-301 Enclave	AV-301 Pub.Eng.	AV-301 Mobile Cart	AV-302 Classroom
HDMI	2	3	1	7
Cat6A	1	5	0	17
Cat5e	0	0	0	2
Belden 8761	1	1	0	7
Belden 8471	0	0	0	2
USB-C	1	0	0	0
USB-A	0	0	0	1
USB-B	0	0	0	2
IEC Power	1	3	2	5
DC Power	1	1	0	5
GRAND TOTAL	**7**	**13**	**3**	**48**

Total	Cable Make	Cable Model	Signal Type
13	Generic	HDMI 2.0	Video
23	Belden	10GXE02	Data/HDBaseT/Network
2	Belden	Cat5e	Control
9	Belden	8761	Audio/Control
2	Belden	8471	Speaker
1	Generic	USB-C	Data
1	Generic	USB 3.0	Data
2	Generic	USB 2.0	Data
11	Generic	IEC C13	Power
7	Generic	DC	Power
71			