



INDEPENDENT HOME SYSTEMS, LLC
 265 YORK STREET
 PORTLAND, MAINE 04102
 207-749-8525
 INDEPENDENTHOMESYSTEMS.COM

DEVICE CATEGORY COLORS

AUD	COM	LTG	VAC
VID	SEC	SWC	VACU
VID	POW	SHD	FURSHRDS
CTL	HW	HW	HW
NET	SEC	ACC	SEC
NET	SEC	ACC	SEC

DEVICE STATUS

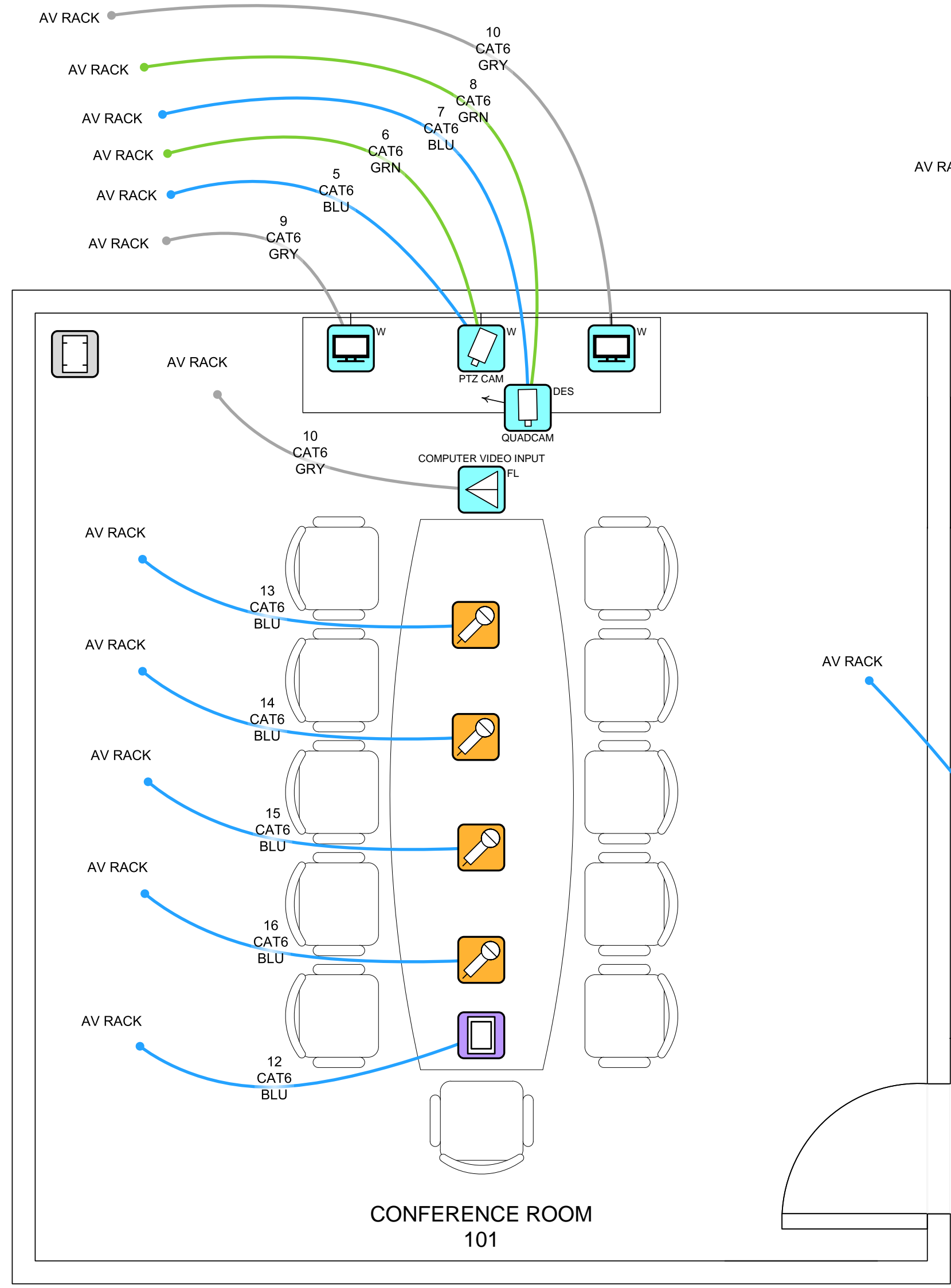
NEW	EXISTING	FUTURE
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DEVICE MOUNT TYPE ABBREVIATIONS

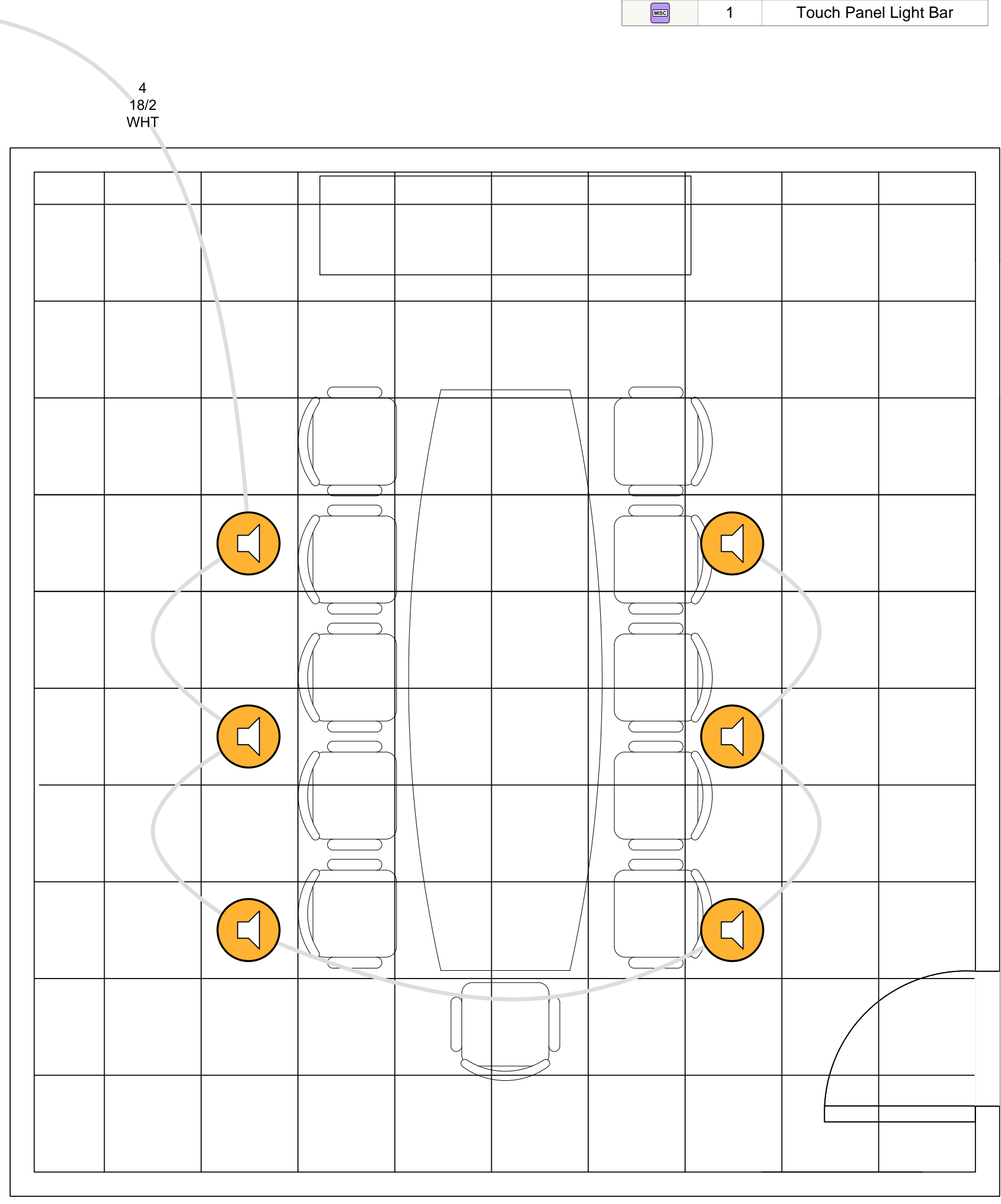
C = CEILING	POD = PODIUM
DES = DESKTOP	PS = POLE
FL = FLOOR	RK = RACK
F = FLUSH	R = ROOF
G = GROUND	REC = RECESSED
H = HIDDEN	SH = SHELF
M = MULLION	S = SURFACE
D = OUTDOOR	T = TURNSTYLE
P = PEDISTAL	W = WALL

Legend

Symbol	Count	Description
[Touch Panel Icon]	2	Touch Panel
[Microphone Icon]	4	PTT Microphone
[Display Icon]	2	Video Display
[Speaker Icon]	6	Ceiling Loudspeaker
[Camera Icon]	2	Video Conference Camera
[Rack Icon]	1	AV Headend Rack
[Port Icon]	1	Video In Port
[Light Bar Icon]	1	Touch Panel Light Bar



FLOOR PLAN



REFLECTED CEILING PLAN

HALLWAY 102

CONFERENCE ROOM 101

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TITLE
AV CONFERENCE ROOM

DESCRIPTION
 AV FLOOR PLAN

PROJECT MANAGER

DRAWN BY

DATE
 10/4/2022

REVISED
 10/4/2022

NEXT WIRE NO.
 0

SCALE
 1/4" = 1'-0"

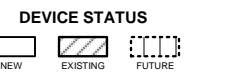
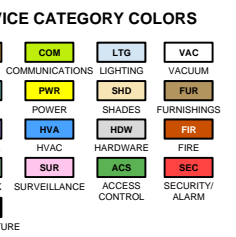
PROJECT NUMBER

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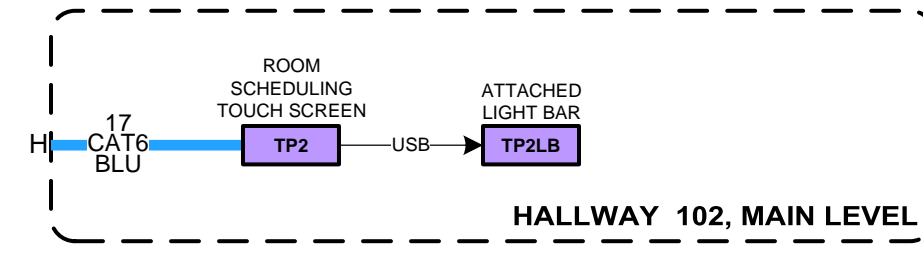
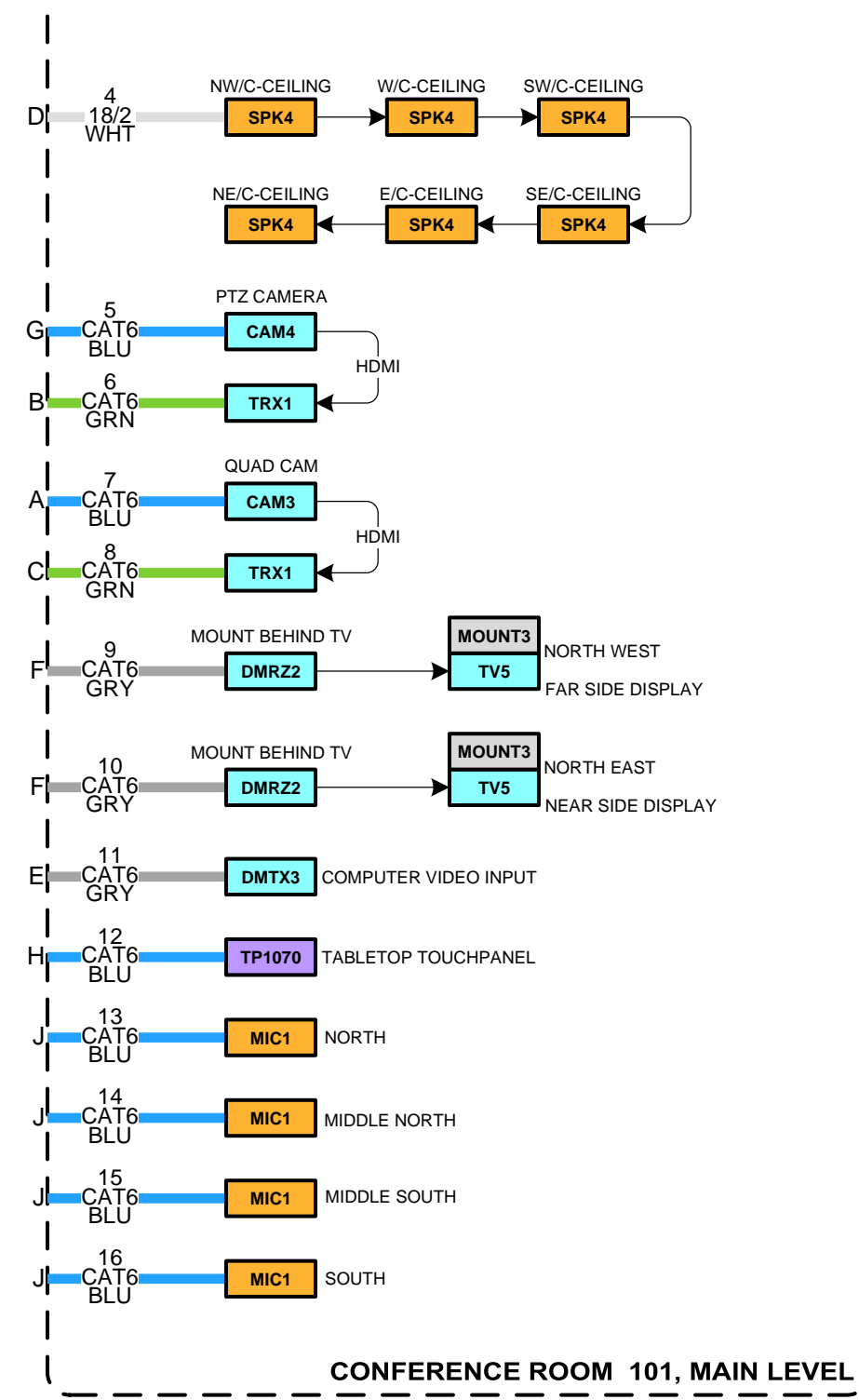
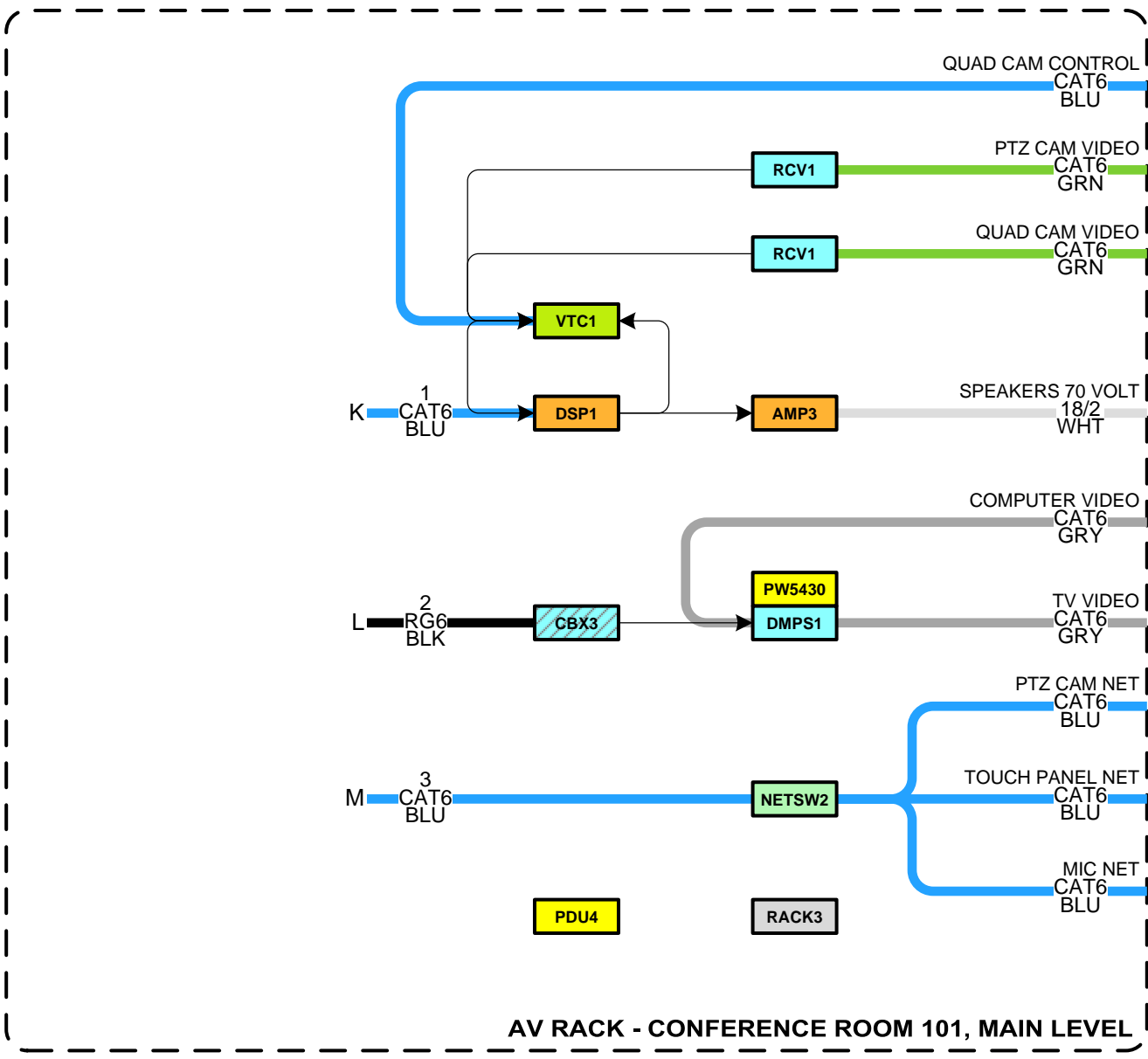
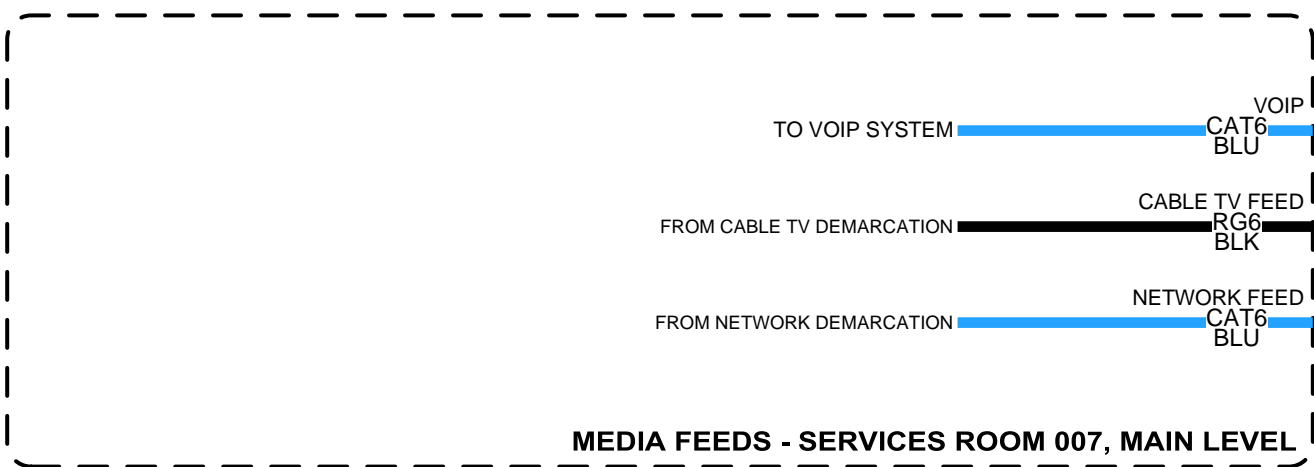


DEVICE MOUNT TYPE ABBREVIATIONS

C = CEILING
PS = DESKTOP
FL = FLOOR
F = FLUSH
G = GROUND
H = HIDDEN
M = MULLION
D = OUTDOOR
P = RECESSED
POD = POOLMOUNT
PS = POOLMOUNT
RK = RACK
R = ROOF
REC = RECESSED
SH = SHELF
S = SURFACE
T = TURNSTYLE
W = WALL

Pre-Wire Schedule by Room											
To Room Name	To Room No	To Floor	To Area	To Location	From Floor	From Room Name	From Area	Wire Number	Wire Type	FUNCTION	Wire Length (ft)
Conference Room	101	Main Level		North West	Main Level	Conference Room	AV Rack	4	18/2-WHT	Speakers 70 Volt	85
Conference Room	101	Main Level		PTZ Camera	Main Level	Conference Room	AV Rack	5	CAT6-BLU	PTZ Cam Net	85
Conference Room	101	Main Level		PTZ Camera	Main Level	Conference Room	AV Rack	6	CAT6-GRN	PTZ CAM Video	85
Conference Room	101	Main Level		Desk Quad Camera	Main Level	Conference Room	AV Rack	7	CAT6-BLU	Quad Cam Control	85
Conference Room	101	Main Level		Desk Quad Camera	Main Level	Conference Room	AV Rack	8	CAT6-GRN	Quad Cam Video	85
Conference Room	101	Main Level		North West	Main Level	Conference Room	AV Rack	9	CAT6-GRY	TV Video	85
Conference Room	101	Main Level		North East	Main Level	Conference Room	AV Rack	10	CAT6-GRY	TV Video	85
Conference Room	101	Main Level		Computer Input	Main Level	Conference Room	AV Rack	11	CAT6-GRY	Computer Video	85
Conference Room	101	Main Level		Touch Panel	Main Level	Conference Room	AV Rack	12	CAT6-BLU	Touch Panel Net	85
Conference Room	101	Main Level		North	Main Level	Conference Room	AV Rack	13	CAT6-BLU	MIC Net	85
Conference Room	101	Main Level		Middle North	Main Level	Conference Room	AV Rack	14	CAT6-BLU	MIC Net	85
Conference Room	101	Main Level		Middle South	Main Level	Conference Room	AV Rack	15	CAT6-BLU	MIC Net	85
Conference Room	101	Main Level		South	Main Level	Conference Room	AV Rack	16	CAT6-BLU	MIC Net	85
Conference Room	101	Main Level	AV Rack	Main Level	Main Level	Services Room	Media Feeds	1	CAT6-BLU	VOIP	85
Conference Room	101	Main Level	AV Rack	Main Level	Main Level	Services Room	Media Feeds	2	RG6-BLK	Cable TV Feed	85
Conference Room	101	Main Level	AV Rack	Main Level	Main Level	Services Room	Media Feeds	3	CAT6-BLU	Network Feed	85
Count	16										
Count	1										

Pre-Wire Schedule by Wire Type									
Wire Type	Wire Number	From Area	To Floor	To Room Name	To Area	Function	Wire Length (ft)		
18/2-WHT	4	AV Rack	Main Level	Conference Room		Speakers 70 Volt	85		
Total							85		
CAT6-BLU	1	Media Feeds	Main Level	Conference Room	AV Rack	VOIP	85		
CAT6-BLU	3	Media Feeds	Main Level	Conference Room	AV Rack	Network Feed	85		
CAT6-BLU	5	AV Rack	Main Level	Conference Room		PTZ Cam Net	85		
CAT6-BLU	7	AV Rack	Main Level	Conference Room		Quad Cam Control	85		
CAT6-BLU	12	AV Rack	Main Level	Conference Room		Touch Panel Net	85		
CAT6-BLU	13	AV Rack	Main Level	Conference Room		MIC Net	85		
CAT6-BLU	14	AV Rack	Main Level	Conference Room		MIC Net	85		
CAT6-BLU	15	AV Rack	Main Level	Conference Room		MIC Net	85		
CAT6-BLU	16	AV Rack	Main Level	Conference Room		MIC Net	85		
CAT6-BLU	17	AV Rack	Main Level	Hallway		Touch Panel Net	85		
Total							850		
CAT6-GRN	6	AV Rack	Main Level	Conference Room		PTZ CAM Video	85		
CAT6-GRN	8	AV Rack	Main Level	Conference Room		Quad Cam Video	85		
Total							170		
CAT6-GRY	9	AV Rack	Main Level	Conference Room		TV Video	85		
CAT6-GRY	10	AV Rack	Main Level	Conference Room		TV Video	85		
CAT6-GRY	11	AV Rack	Main Level	Conference Room		Computer Video	85		
Total							256		
RG6-BLK	2	Media Feeds	Main Level	Conference Room	AV Rack	Cable TV Feed	85		
Total							85		
Grand Total							1445		



BoM by Manufacturer				
Manufacturer	Model No	Reference ID	Description	Quantity
Audio-Technica	ATND971a	MIC1	Cardioid Condenser Boundary Microphone with Dante™ Network Output	4
Biamp	TesiraFORTE DAN V14	DSP1	Audio Digital Signal Processor (DSP)	1
Chief	XTM1U	MOUNT3	X-Large Fusion Micro-Adjustable Tilt Wall Mount for 55 to 100 in. TVs	2
Cisco	CS-CAM-PTZ4K	CAM4	Webex premium pan-tilt-zoom camera	2
Cisco	CS-CODEC-PLUS+	VTC1	Webex Codec Plus	1
Comcast (OFE)	XiD-P	CBX3	Cable Box, Client	1
Crestron	AMP-X75	AMP3	X-Series Amplifier, 75 W	1
Crestron	DMP3-4K-300-C	DMP31	3-Series® 4K DigitalMedia™ Presentation System 300	1
Crestron	DM-RMC-4KZ-SCALAR-C	DMR22	DigitalMedia 8G+® 4K60 4:4:4 HDR Receiver and Room Controller with Scaler	2
Crestron	DM-TX-4KZ-100-C-1G	DMTX3	DigitalMedia 8G+® 4K60 4:4:4 HDR Wall Plate Transmitter	1
Crestron	PW-5430DUS	PW5430	High-Efficiency Power Pack for providing PoDM and PoDM	1
Crestron	SAROS IC6T-W-T-EACH	SPK4	Saros® 6.5 in. 2-Way In-Ceiling Speaker, White Textured, Single	6
Crestron	TSS-1070-B-S	TP2	10.1 in. Room Scheduling Touch Screen, Black Smooth	1
Crestron	TSW-1070	TP1070	10.1 in. Wall Mount Touch Screen, Black Smooth	1
Crestron	TSW-1070-LB-B-S	TP2LB	Room Availability Light Bar for TSW-1070 Series, Black Smooth	1
Fortinet	FS-124E-FPOE	NETSW2	FortiSwitch™ Secure Access, 24x GE RJ45 and 4x GE SFP	1
Middle Atlantic	PD-920R	PDU4	Rackmount Power, 9 Outlet, 20A, Basic Surge Protection	1
Middle Atlantic	RFR-2028BR	RACK3	RFR Series Reference Furniture Rack	1
Samsung	QB75H	TV5	75" 4K UHD Q6H Series Smart Signage	2
Vaddio	OneLink EZIM	TRX1	OneLINK HDMI Camera Extension	2
Vaddio	OneLink Receiver	RCV1	OneLINK HDMI Camera Extension	2

Block Diagram Device Legend				
Reference ID	Manufacturer	Model No	Description	Quantity
AMP3	Crestron	AMP-X75	X-Series Amplifier, 75 W	1
CAM3	Cisco	CS-QUADCAM+	Webex Quad Camera	1
CAM4	Cisco	CS-CAM-PTZ4K	Webex premium pan-tilt-zoom camera	1
CBX3	Comcast (OFE)	XiD-P	Cable Box, Client	1
DMP31	Crestron	DMP3-4K-300-C	3-Series® 4K DigitalMedia™ Presentation System 300	1
DMR22	Crestron	DM-RMC-4KZ-SCALAR-C	DigitalMedia 8G+® 4K60 4:4:4 HDR Receiver and Room Controller with Scaler	2
DMTX3	Crestron	DM-TX-4KZ-100-C-1G	DigitalMedia 8G+® 4K60 4:4:4 HDR Wall Plate Transmitter	1
DSP1	Biamp	TesiraFORTE DAN V14	Audio Digital Signal Processor (DSP)	1
MIC1	Audio-Technica	ATND971a	Cardioid Condenser Boundary Microphone with Dante™ Network Output	4
MOUNT3	Chief	XTM1U	X-Large Fusion Micro-Adjustable Tilt Wall Mount for 55 to 100 in. TVs	2
NETSW2	Fortinet	FS-124E-FPOE	FortiSwitch™ Secure Access, 24x GE RJ45 and 4x GE SFP	1
PDU4	Middle Atlantic	PD-920R	Rackmount Power, 9 Outlet, 20A, Basic Surge Protection	1
PW5430	Crestron	PW-5430DUS	High-Efficiency Power Pack for providing PoDM and PoDM	1
RACK3	Middle Atlantic	RFR-2028BR	RFR Series Reference Furniture Rack	1
RCV1	Vaddio	OneLink Receiver	OneLINK HDMI Camera Extension	2
SPK4	Crestron	SAROS IC6T-W-T-EACH	Saros® 6.5 in. 2-Way In-Ceiling Speaker, White Textured, Single	6
TP1070	Crestron	TSW-1070	10.1 in. Wall Mount Touch Screen, Black Smooth	1
TP2	Crestron	TSS-1070-B-S	10.1 in. Room Scheduling Touch Screen, Black Smooth	1
TP2LB	Crestron	TSW-1070-LB-B-S	Room Availability Light Bar for TSW-1070 Series, Black Smooth	1
TRX1	Vaddio	OneLink EZIM	OneLINK HDMI Camera Extension	2
TV5	Samsung	QB75H	75" 4K UHD Q6H Series Smart Signage	2
VTC1	Cisco	CS-CODEC-PLUS+	Webex Codec Plus	1

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TITLE
AV CONFERENCE ROOM

DESCRIPTION
SYSTEM BLOCK DIAGRAM

PROJECT MANAGER

DRAWN BY

DATE
10/4/2022

REVISED
10/4/2022

NEXT WIRE NO.
18

SCALE
NONE

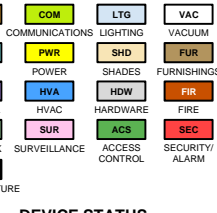
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DEVICE CATEGORY COLORS

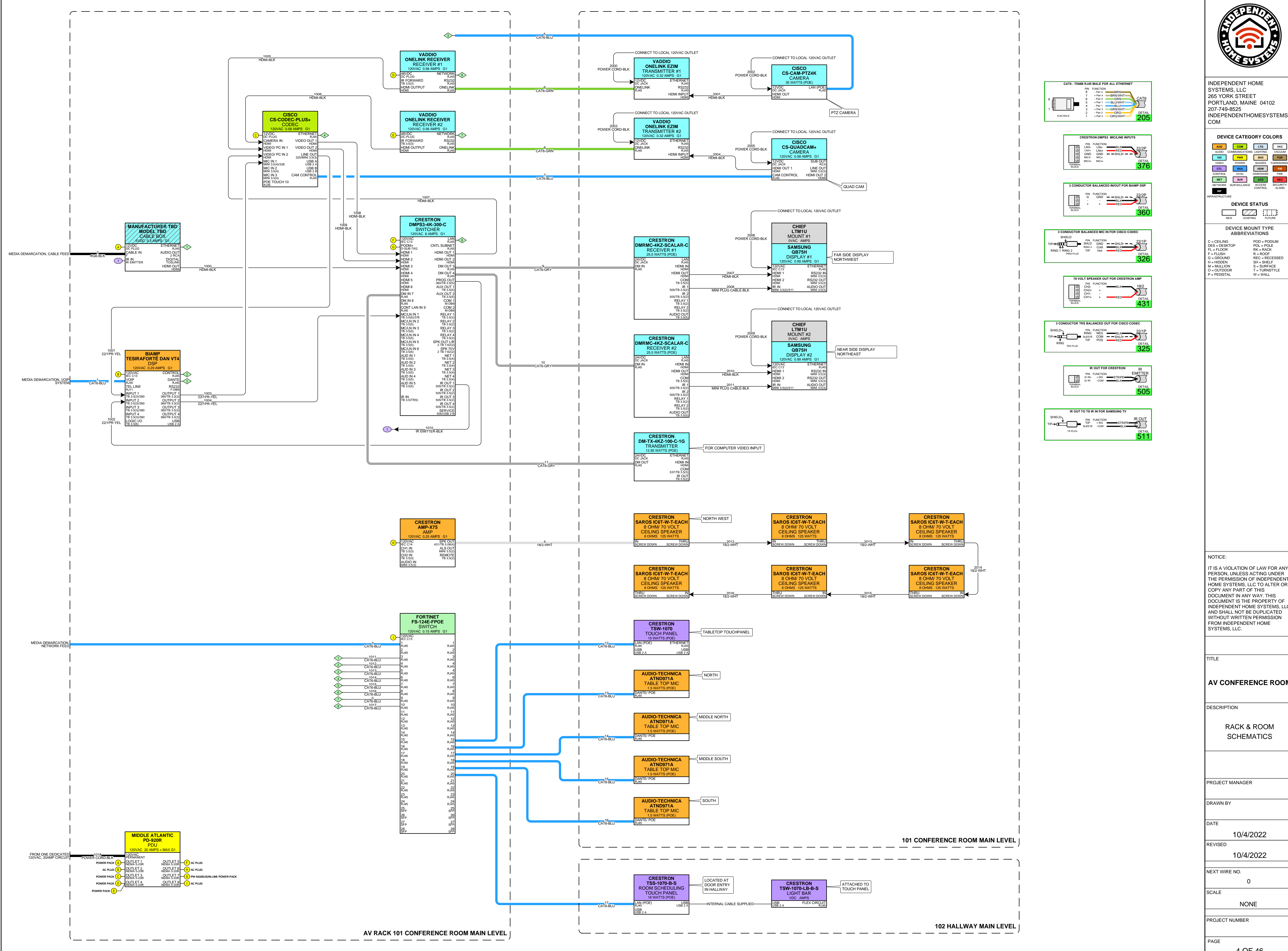


DEVICE STATUS



DEVICE MOUNT TYPE ABBREVIATIONS

C = CEILING
DES = DESKTOP
FL = FLOOR
F = FLUSH
G = GROUND
H = HIDDEN
M = MULLION
D = OUTDOOR
P = RECESSED
POD = POOLIUM
PS = POLE
RK = RACK
R = ROP
REC = RECESSED
SH = SHELF
S = SURFACE
T = TURNSTYLE
W = WALL



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TITLE
AV CONFERENCE ROOM

DESCRIPTION
RACK & ROOM SCHEMATICS

PROJECT MANAGER

DRAWN BY

DATE
10/4/2022

REVISED
10/4/2022

NEXT WIRE NO.
0

SCALE
NONE

PROJECT NUMBER

PAGE
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 PORTLAND, MAINE 04102
 207-749-8525
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DEVICE CATEGORY COLORS

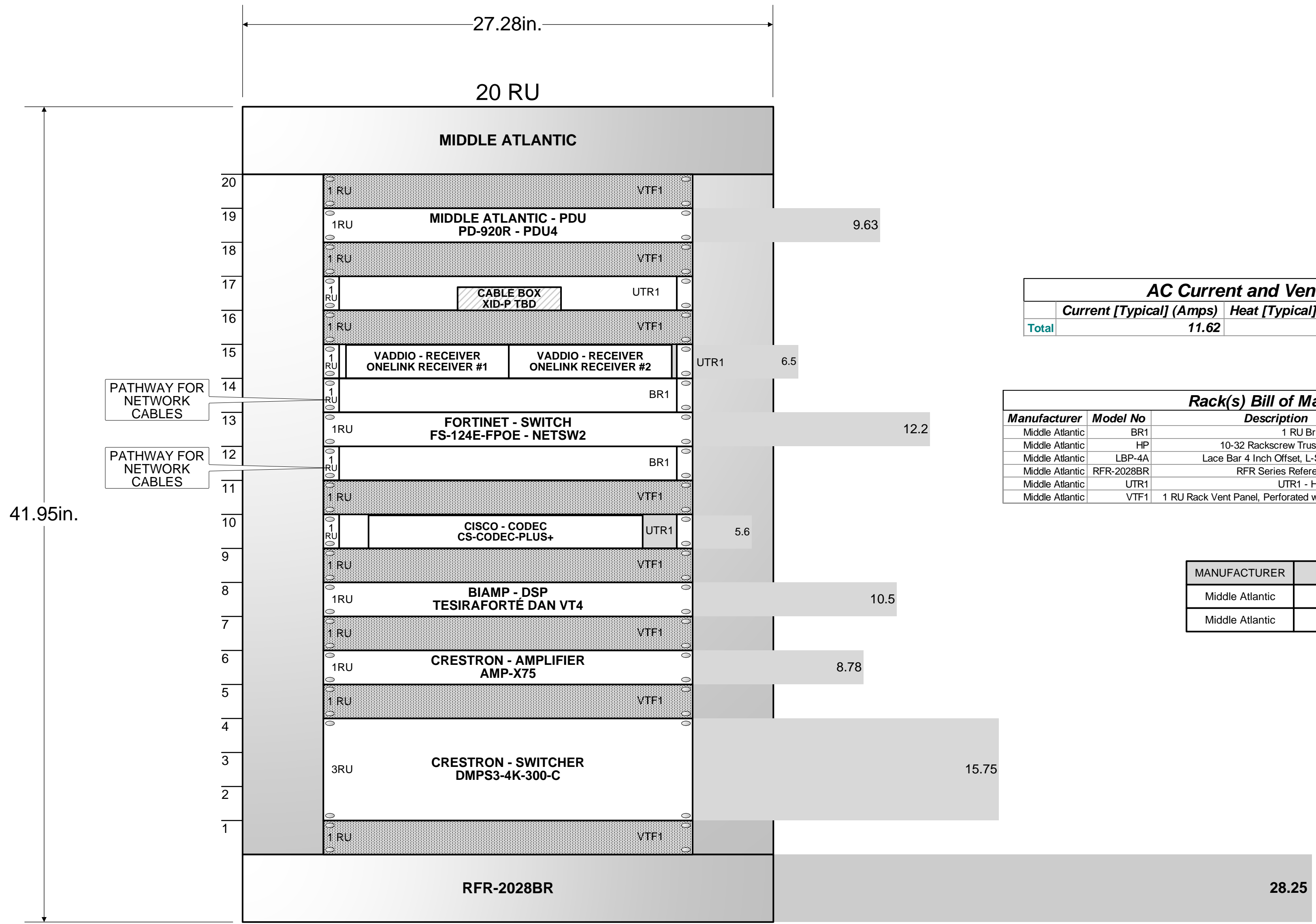
AUDIO	COMMUNICATIONS	LIGHTING	VACUUM
VIDEO	POWER	SHADES	FURNISHINGS
CONTROL	WALL	HEAVY	FIRE
NETWORK	WALL	ACCESS	SECURITY
NETWORK SURVEILLANCE	ACCESS CONTROL	SECURITY	ALARM

DEVICE STATUS

NEW	EXISTING	FUTURE
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DEVICE MOUNT TYPE ABBREVIATIONS

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G = GROUND	REC = RECESSED
H = HIDDEN	SH = SHELF
M = MULLION	S = SURFACE
D = OUTDOOR	T = TURNSTYLE
P = PEDestal	W = WALL



AC Current and Ventilation Totals

	Current [Typical] (Amps)	Heat [Typical] (Btu/h)	Ventilation [Typical] (CFM)
Total	11.62	1262.89	116.93

Rack(s) Bill of Materials

Manufacturer	Model No	Description	Pieces/Package	Quantity
Middle Atlantic	BR1	1 RU Brush Grommet Panel		2
Middle Atlantic	HP	10-32 Rackscrew Truss-Head - 100 Piece		1
Middle Atlantic	LBP-4A	Lace Bar 4 Inch Offset, L-Shaped - 10 Pieces		1
Middle Atlantic	RFR-2028BR	RFR Series Reference Furniture Rack		2
Middle Atlantic	UTR1	UTR1 - Half / third rack shelf		3
Middle Atlantic	VTF1	1 RU Rack Vent Panel, Perforated with 25% Open Area		8

ACCESSORIES

MANUFACTURER	MODEL NO	DESCRIPTION	PCS/PKG
Middle Atlantic	HP	10-32 Rackscrew Truss-Head - 100 ...	
Middle Atlantic	LBP-4A	Lace Bar 4 Inch Offset, L-Shaped -...	

Rack Dimensions

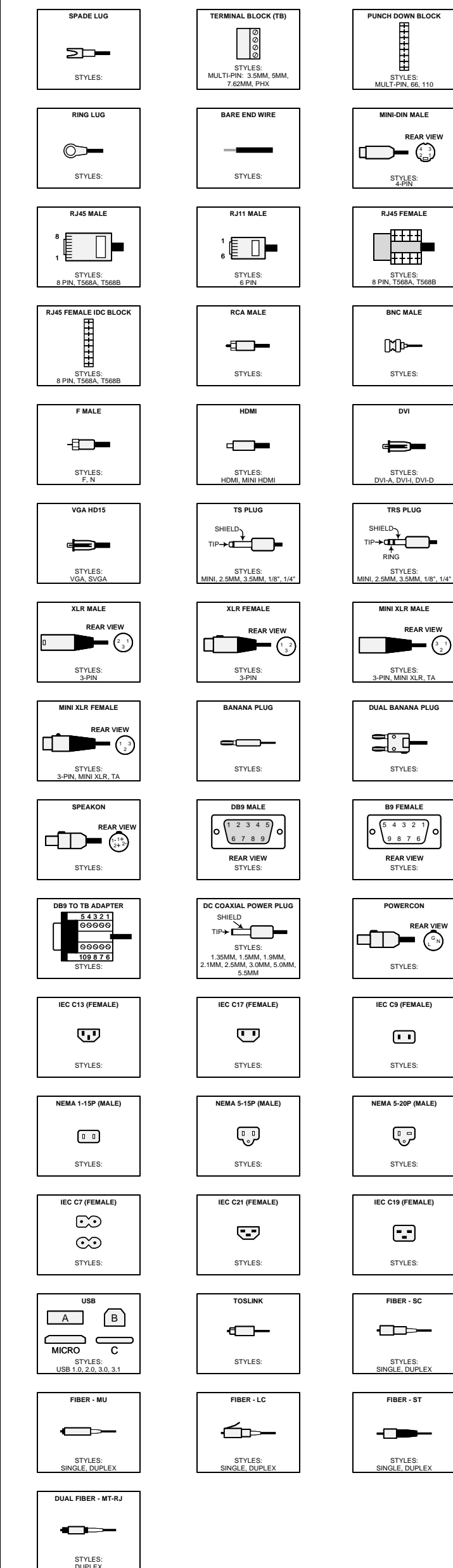
Manufacturer	Model No	Rack Height (RU)	Overall Rack Height (in)	Width (in)	Depth (in)
Middle Atlantic	RFR-2028BR	20	41.95	27.3	28.25

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TITLE
AV CONFERENCE ROOM
 DESCRIPTION
RACK ELEVATIONS

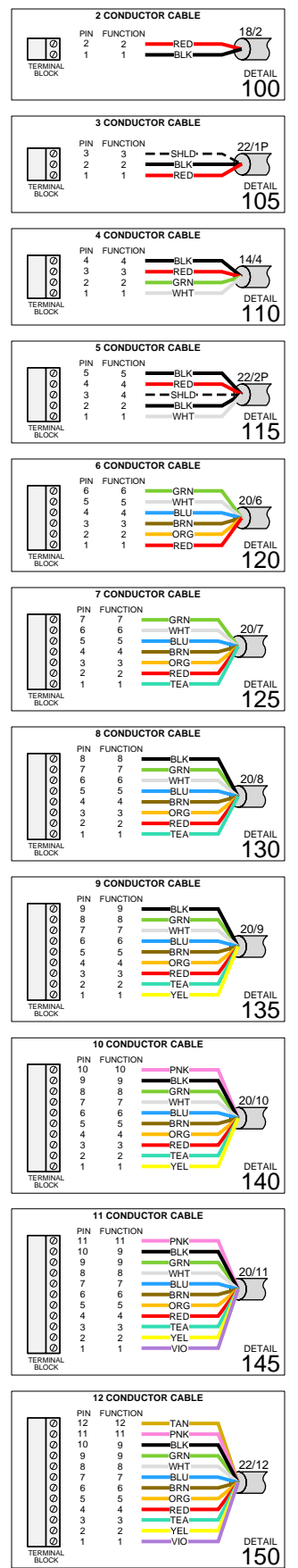
PROJECT MANAGER
 DRAWN BY
 DATE
 10/4/2022
 REVISED
 10/4/2022
 NEXT WIRE NO.
 SCALE
 3" = 1'-0"
 PROJECT NUMBER
 PAGE
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COMMON TERMINATION TYPES

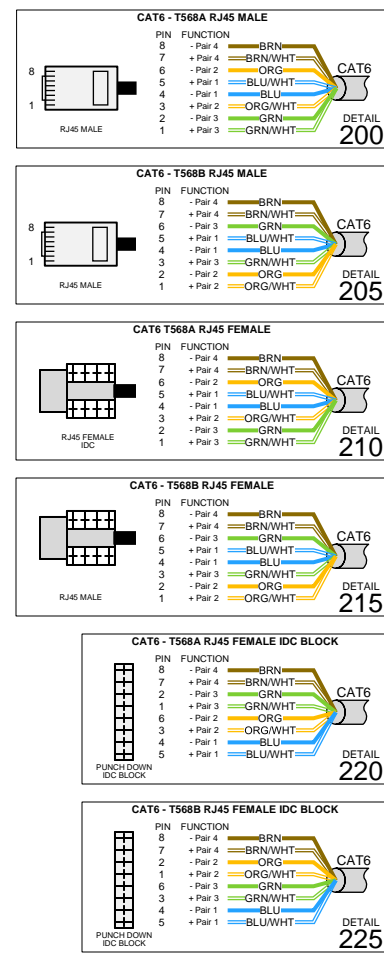


COMMON TERMINATION DETAILS

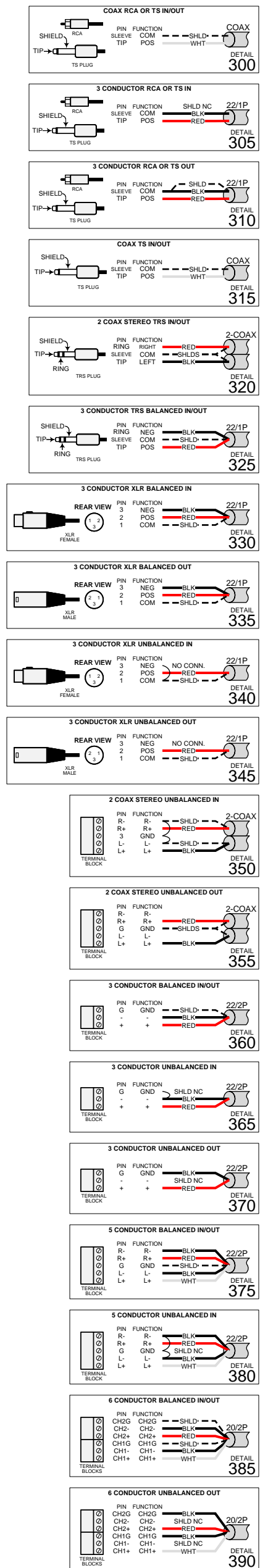
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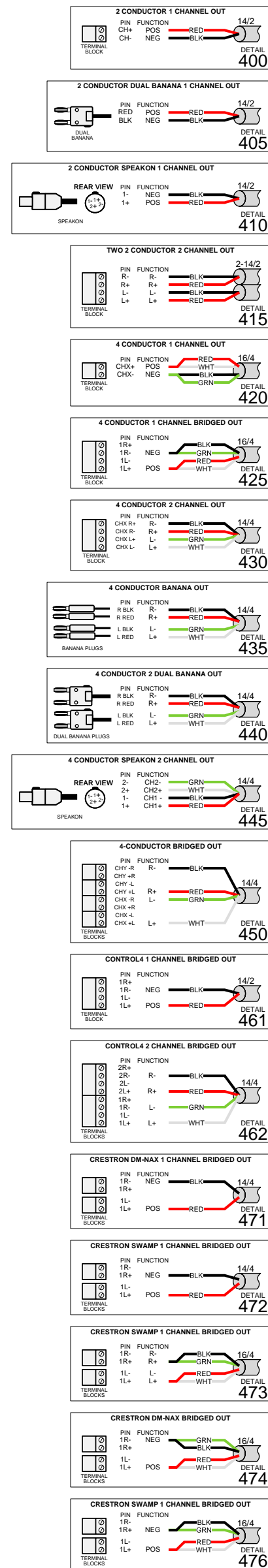
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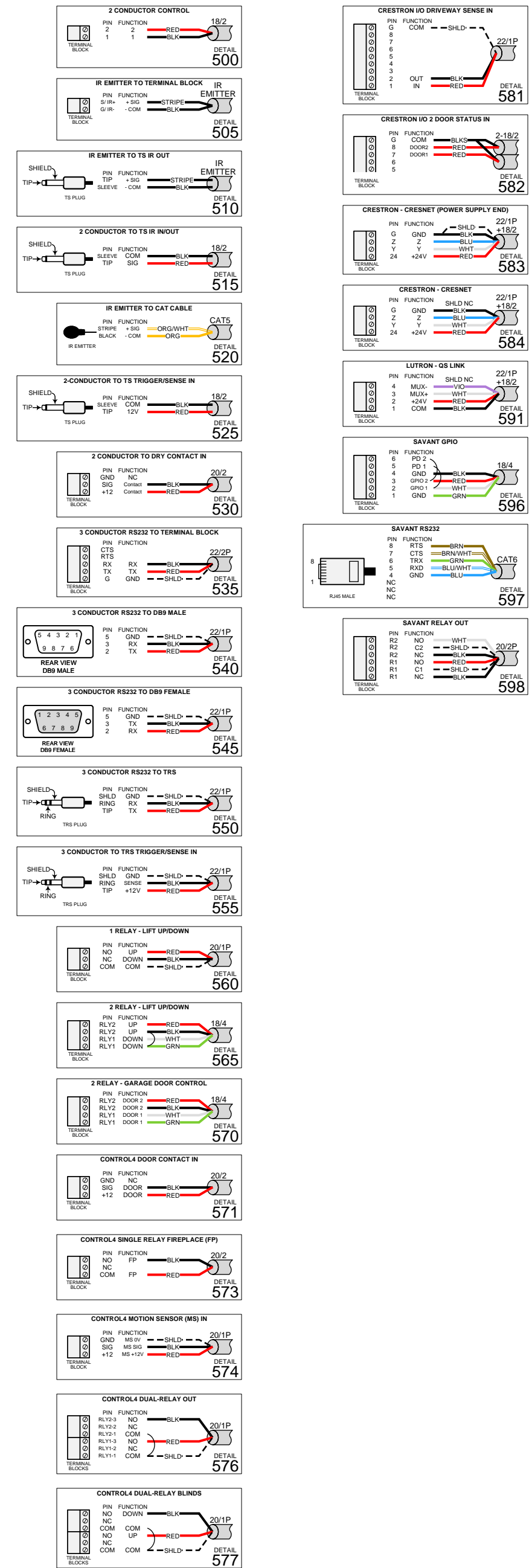
AUDIO



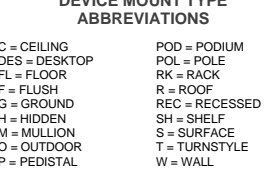
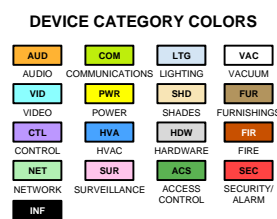
LOUDSPEAKER



CONTROL



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TITLE
AV CONFERENCE ROOM

DESCRIPTION
WIRE TERMINATIONS

PROJECT MANAGER

DRAWN BY

DATE
10/4/2022

REVISED
10/4/2022

NEXT WIRE NO.

SCALE
NONE

PROJECT NUMBER

PAGE
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