

BLACKFORD - ATKINSON, NH

A/V SYSTEM ENGINEERING DRAWINGS

10/4/2022

BY



ELECTRONIC INTERIORS, INC
194 WEST STREET
MILFORD, MA 01747
508-634-1442
EICUSTOM.COM



DRAWING REVISIONS

[illegible]

ELECTRONIC INTERIORS, INC.
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DEVICE CATEGORY COLORS			
AUD	COM	LTH	VAC
VID	POW	SHD	FUR
CON	HW	HW	HW
NET	SUR	ACC	SEC
NETWORK	SURVEILLANCE	CONTROL	SECURITY

DEVICE STATUS		
NEW	EXISTING	REMOVE

DEVICE MOUNT TYPE ABBREVIATIONS	
C = CEILING	POD = PODIUM
DES = DESKTOP	POL = POLE
FL = FLOOR	RL = RACK
F = FLUSH	R = ROOF
G = GROUND	REC = RECESSED
H = HIDDEN	SH = SHELF
M = MULLION	S = SURFACE
O = OUTDOOR	T = TURNSTILE
P = PEDISTAL	W = WALL

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TITLE
BLACKFORD - ATKINSON, NH

DESCRIPTION
SITE PLAN

PROJECT MANAGER

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DATE
10/4/2022

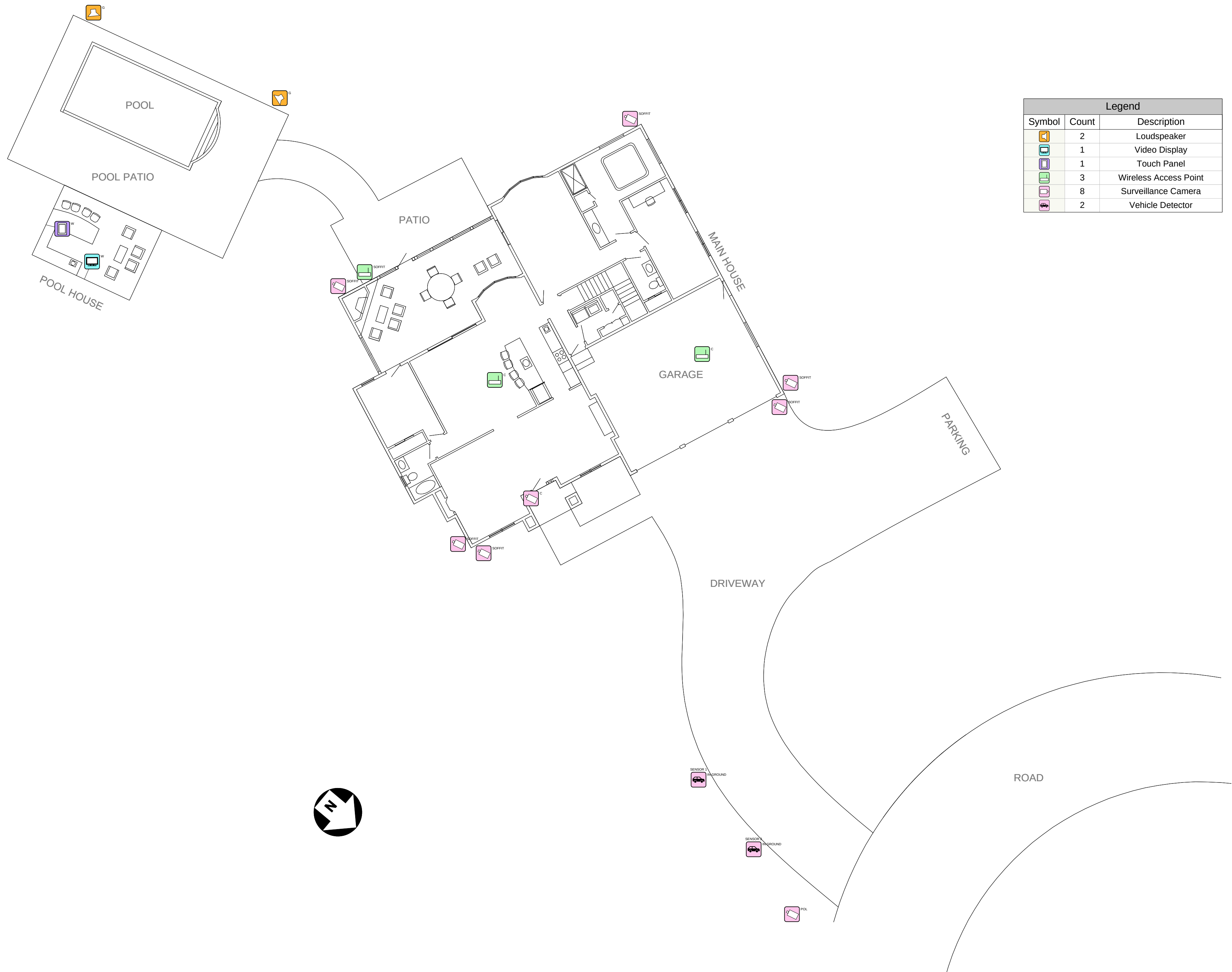
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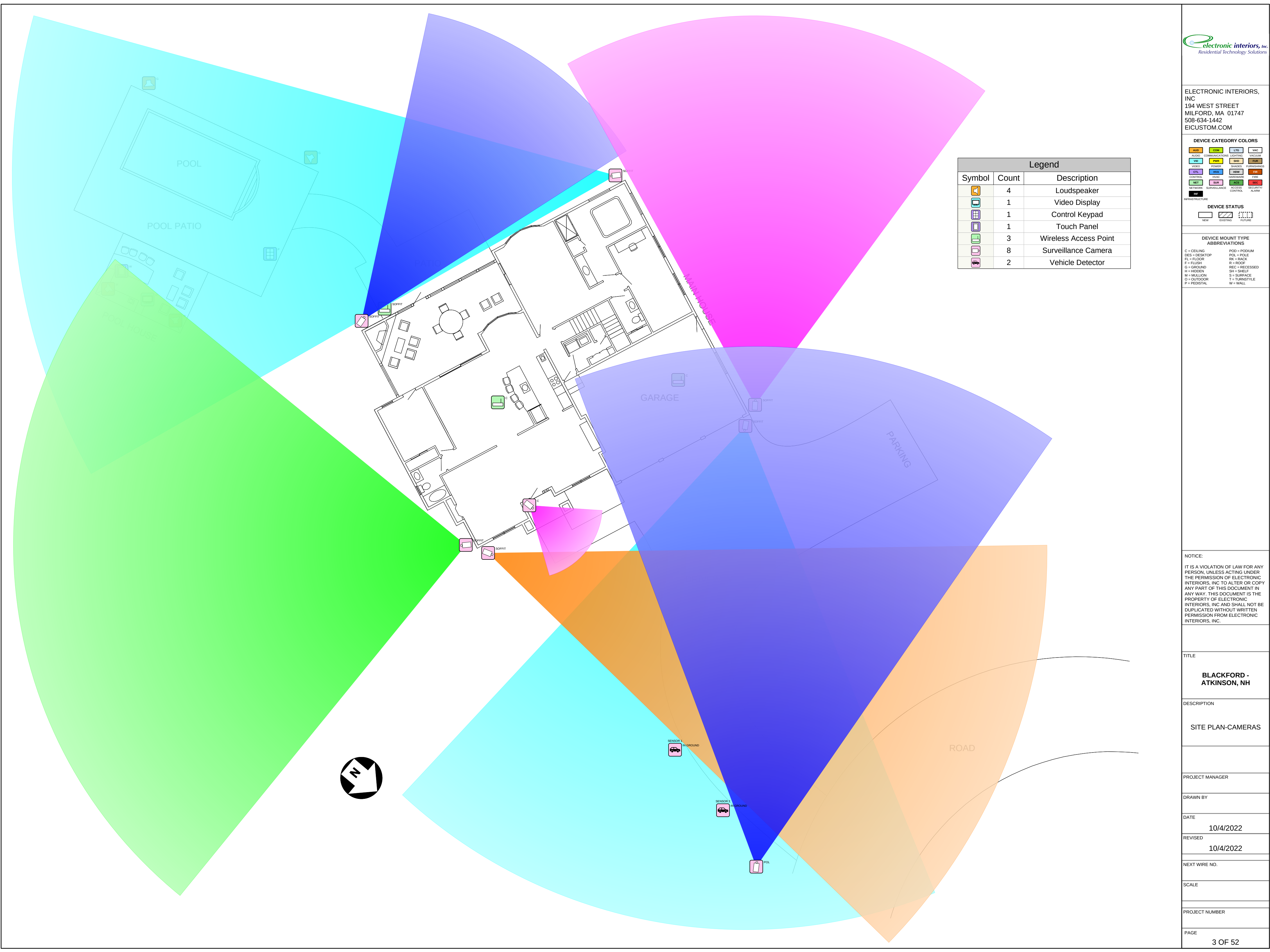
NEXT WIRE NO.

SCALE

PROJECT NUMBER

PAGE
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electronic interiors, inc.
Residential Technology Solutions

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DEVICE CATEGORY COLORS

AUD	COM	LTH	VAC
AUDIO	COMMUNICATIONS	LIGHTING	VACUUM
VID	POW	SHD	FUR
VIDEO	POWER	SHADES	FURNISHINGS
CON	HW	HW	HW
CONTROL	HVAC	HARDWARE	HW
NET	SUR	ACS	SEC
NETWORK	SURVEILLANCE	ACCESS	SECURITY
	CONTROL	CONTROL	ALARM

DEVICE STATUS

NEW	EXISTING	FUTURE
-----	----------	--------

DEVICE MOUNT TYPE ABBREVIATIONS

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TITLE

BLACKFORD - ATKINSON, NH

DESCRIPTION

SITE PLAN-CAMERAS

PROJECT MANAGER

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SCALE

PROJECT NUMBER

PAGE

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DEVICE CATEGORY COLORS			
AUD	COM	LTH	VAC
VID	POW	SHD	FUR
CON	HW	SEC	SEC
NET	SEC	SEC	SEC

DEVICE STATUS		
NEW	EXISTING	FUTURE

DEVICE MOUNT TYPE ABBREVIATIONS	
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TITLE
BLACKFORD - ATKINSON, NH

DESCRIPTION
SITE PLAN-WIFI

PROJECT MANAGER

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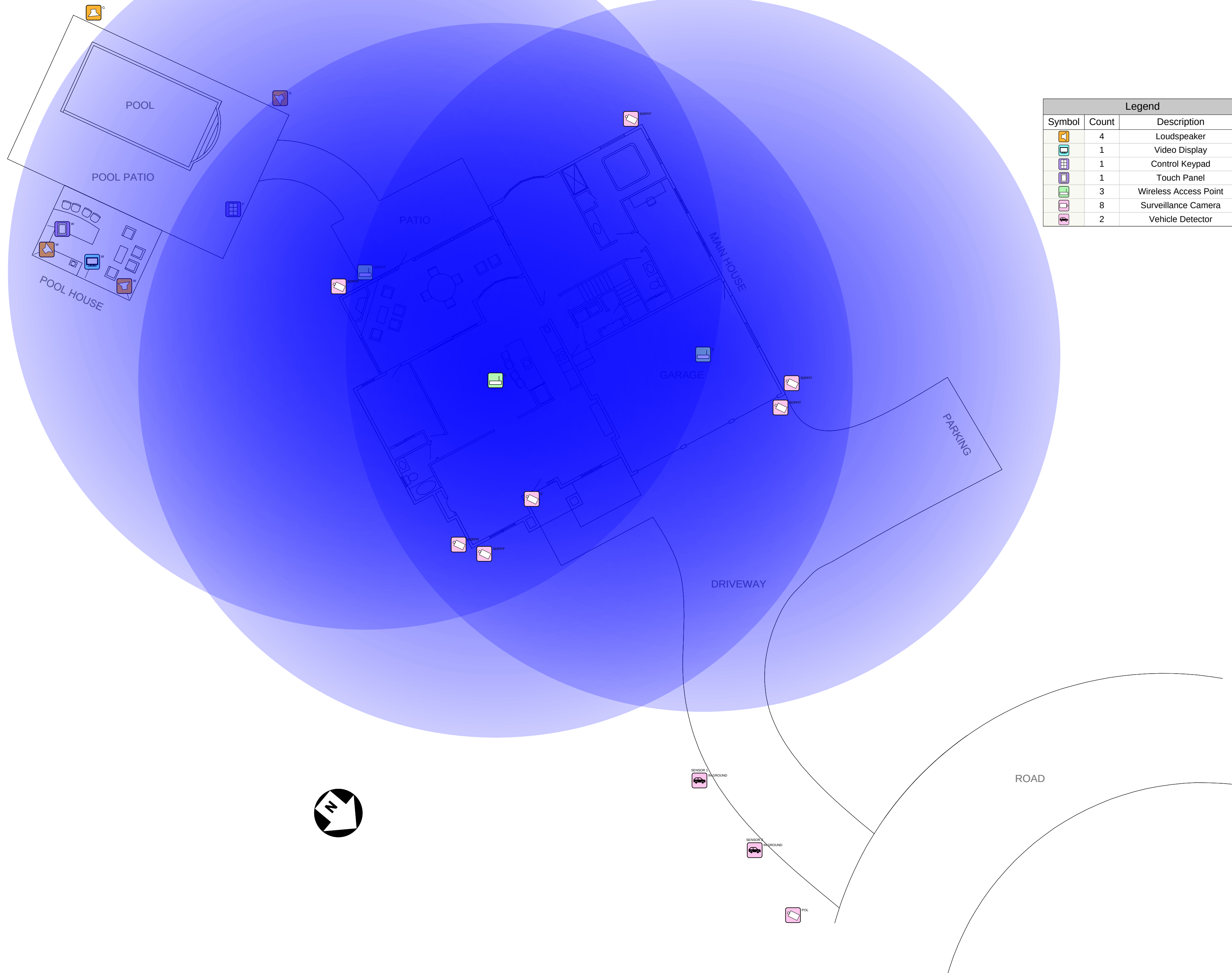
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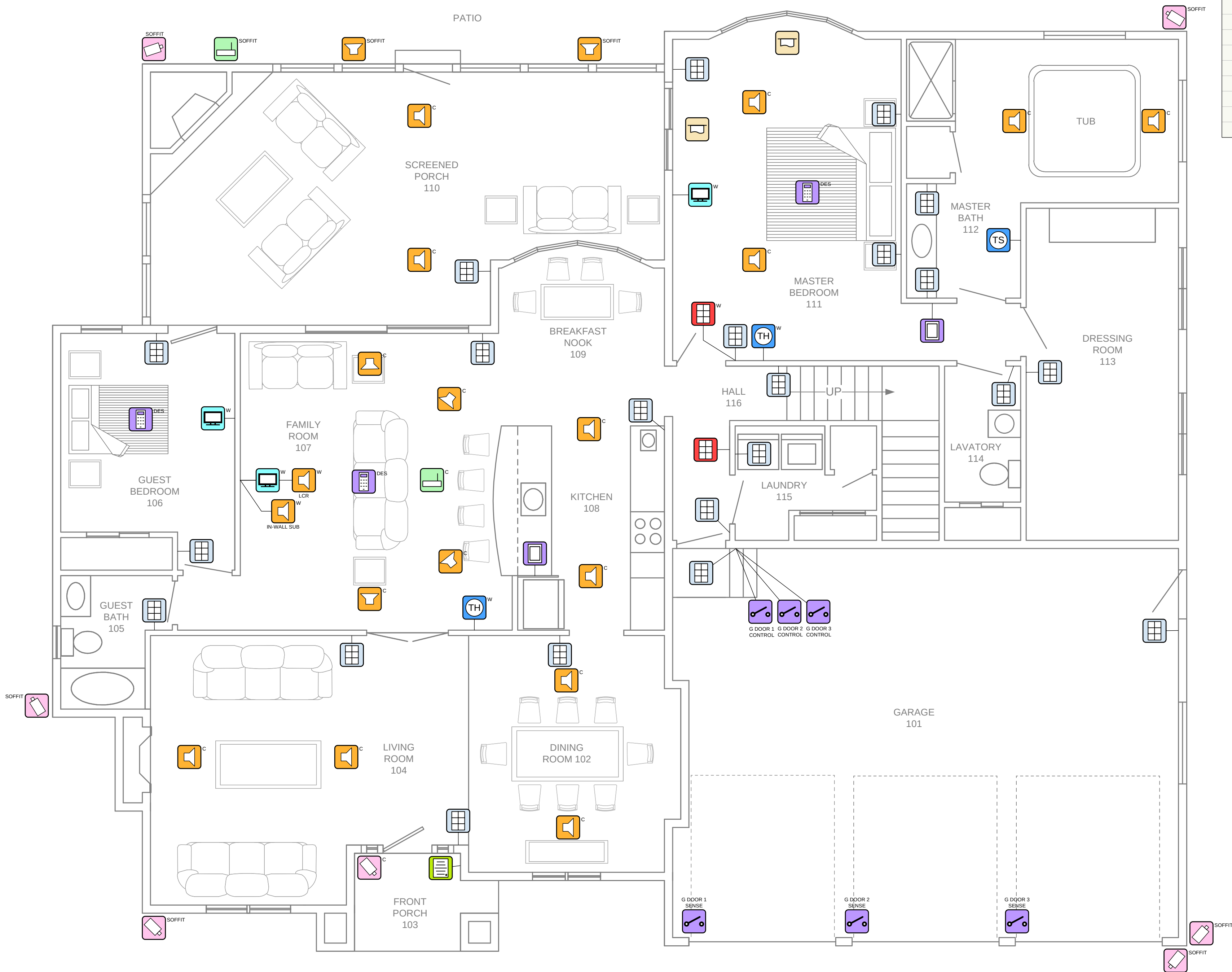
NEXT WIRE NO.

SCALE

PROJECT NUMBER

PAGE
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Legend		
Symbol	Count	Description
	20	Loudspeaker
	2	TSTAT/Humidistat
	3	Video Display
	2	Touch Panel
	2	Wireless Access Point
	22	Lighting User Interface
	2	Motorized Shade
	3	Remote Control
	6	Control Contact Switch
	7	Surveillance Camera
	1	Intercom Door Station
	1	HVAC Temp Sensor
	2	Security Keypad

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DEVICE CATEGORY COLORS			

DEVICE STATUS	
	NEW
	EXISTING
	FUTURE

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TITLE
BLACKFORD - ATKINSON, NH

DESCRIPTION
AV FLOOR PLAN MAIN LEVEL

PROJECT MANAGER

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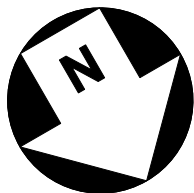
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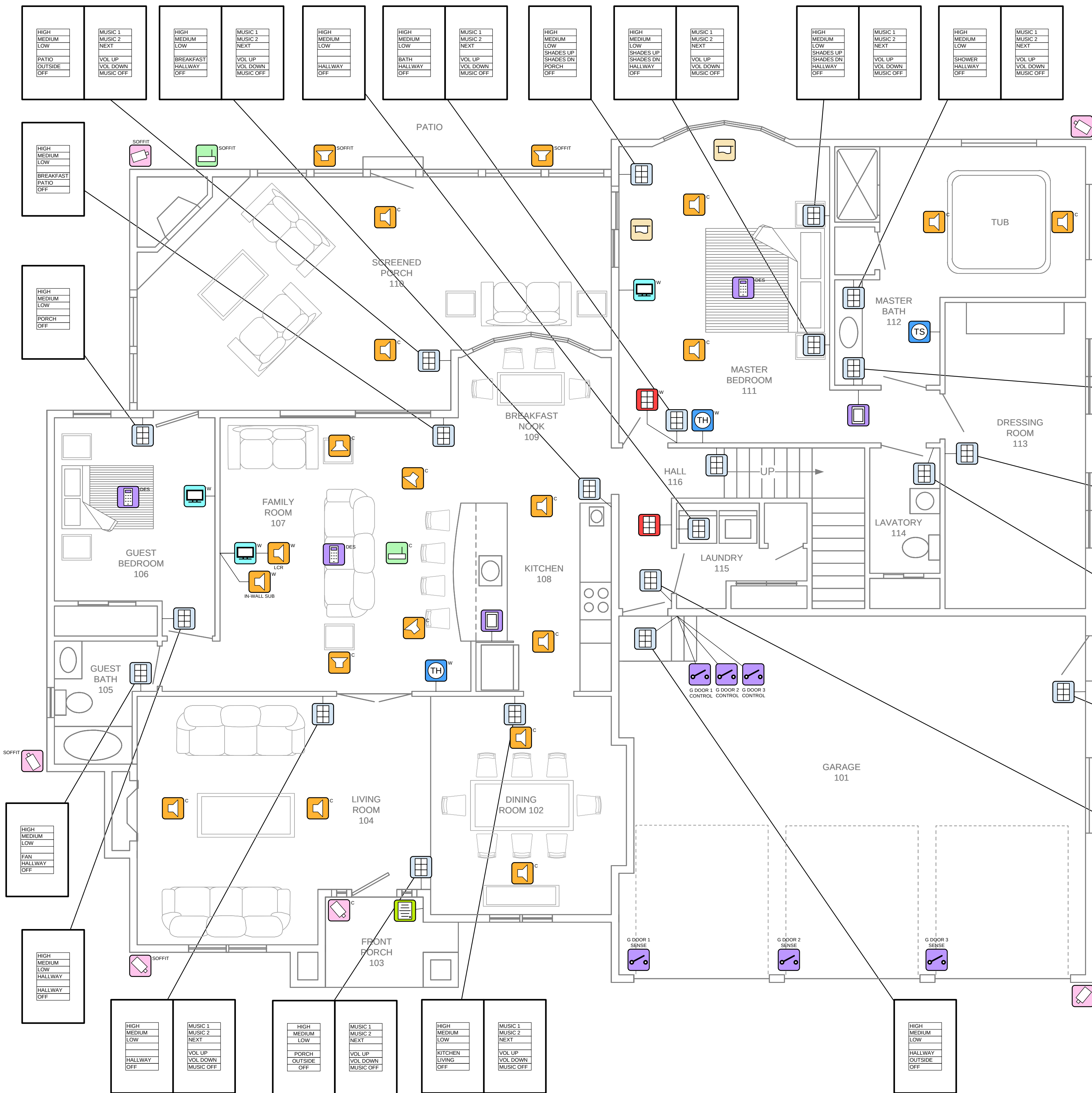
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SCALE
1/4" = 1'-0"

PROJECT NUMBER

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Legend		
Symbol	Count	Description
	20	Loudspeaker
	2	TSTAT/Humidistat
	3	Video Display
	2	Touch Panel
	2	Wireless Access Point
	22	Lighting User Interface
	2	Motorized Shade
	3	Remote Control
	6	Control Contact Switch
	7	Surveillance Camera
	1	Intercom Door Station
	1	HVAC Temp Sensor
	2	Security Keypad

DEVICE CATEGORY COLORS			

DEVICE STATUS	
	NEW
	EXISTING
	FUTURE

DEVICE MOUNT TYPE ABBREVIATIONS	
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TITLE
BLACKFORD - ATKINSON, NH

DESCRIPTION
AV FLOOR PLAN-KEYPAD ENGRAVING

PROJECT MANAGER

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SCALE
1/4" = 1'-0"

PROJECT NUMBER

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DEVICE CATEGORY COLORS			
AUDIO	COMMUNICATIONS	LIGHTING	VACUUM
VIDEO	POWER	SHADES	FURNITURE
CONTROL	HVAC	HARDWARE	WIRE
NETWORK	SURVEILLANCE	ACCESS	SECURITY
INFRASTRUCTURE	CONTROL	ALARM	

DEVICE STATUS	
NEW	EXISTING
FUTURE	

DEVICE MOUNT TYPE ABBREVIATIONS	
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FL = FLOOR	R = ROOF
F = FLUSH	REC = RECESSED
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TITLE
BLACKFORD - ATKINSON, NH

DESCRIPTION
AV FLOOR PLAN KEYPAD WIRING

PROJECT MANAGER

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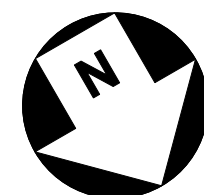
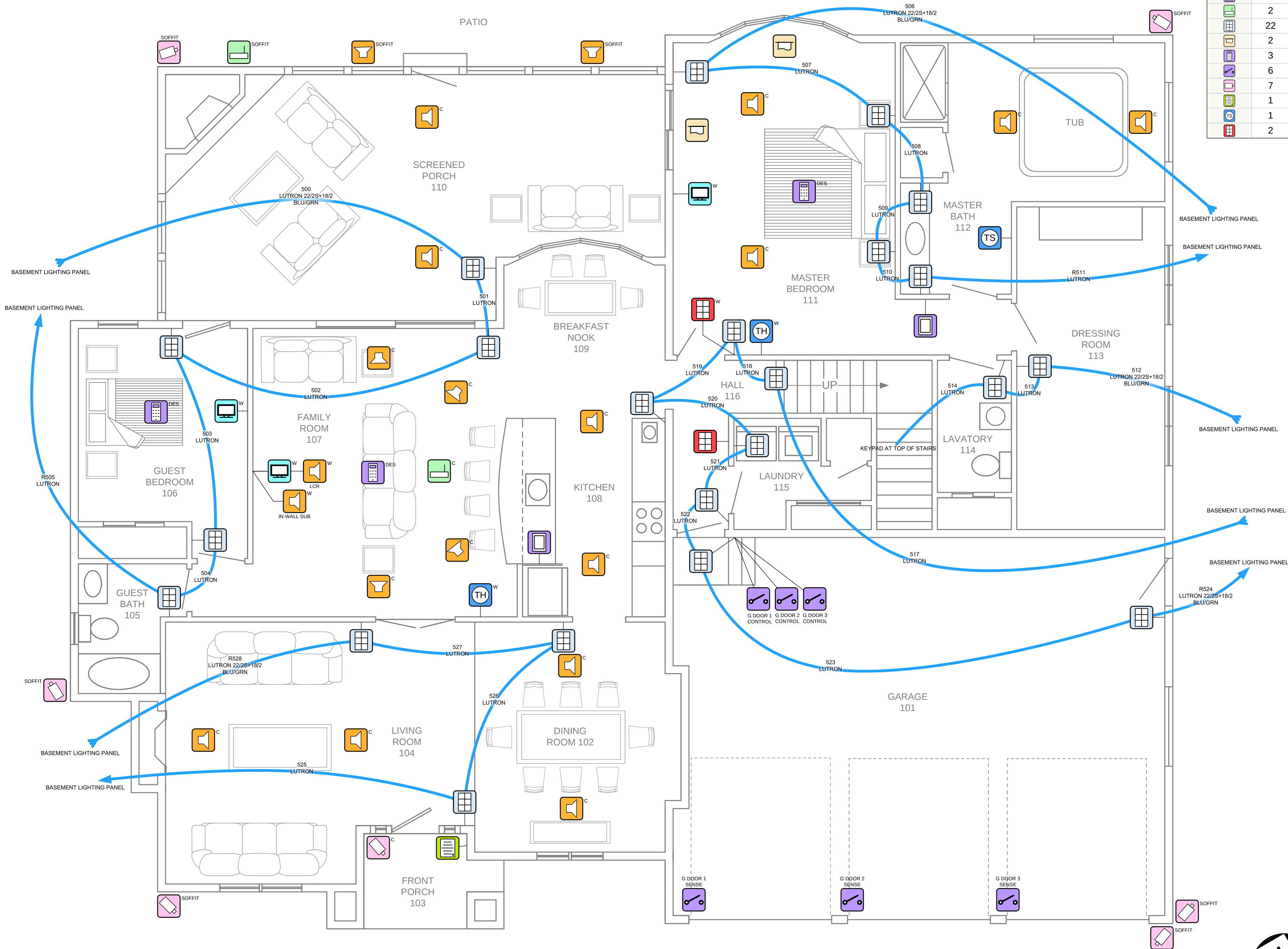
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SCALE
1/4" = 1'-0"

PROJECT NUMBER

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Legend		
Symbol	Count	Description
	20	Loudspeaker
	2	TSTAT/Humidistat
	3	Video Display
	2	Touch Panel
	2	Wireless Access Point
	22	Lighting User Interface
	2	Motorized Shade
	3	Remote Control
	6	Control Contact Switch
	7	Surveillance Camera
	1	Intercom Door Station
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DEVICE CATEGORY COLORS			
AUD	COM	LTV	VAC
AUDIO	COMMUNICATIONS	LIGHTING	VACUUM
VID	PRG	SHD	FUR
VIDEO	POWER	SHADES	FURNISHINGS
CTL	HW	HW	HW
CONTROL	HW	HW	HW
NET	SUR	ACS	SEC
NETWORK	SURVEILLANCE	ACCESS	SECURITY
CONTROL	CONTROL	CONTROL	ALARM

DEVICE STATUS		
NEW	EXISTING	FUTURE

DEVICE MOUNT TYPE ABBREVIATIONS	
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TITLE

BLACKFORD -
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DESCRIPTION

AV FLOOR PLAN UPPER
LEVEL

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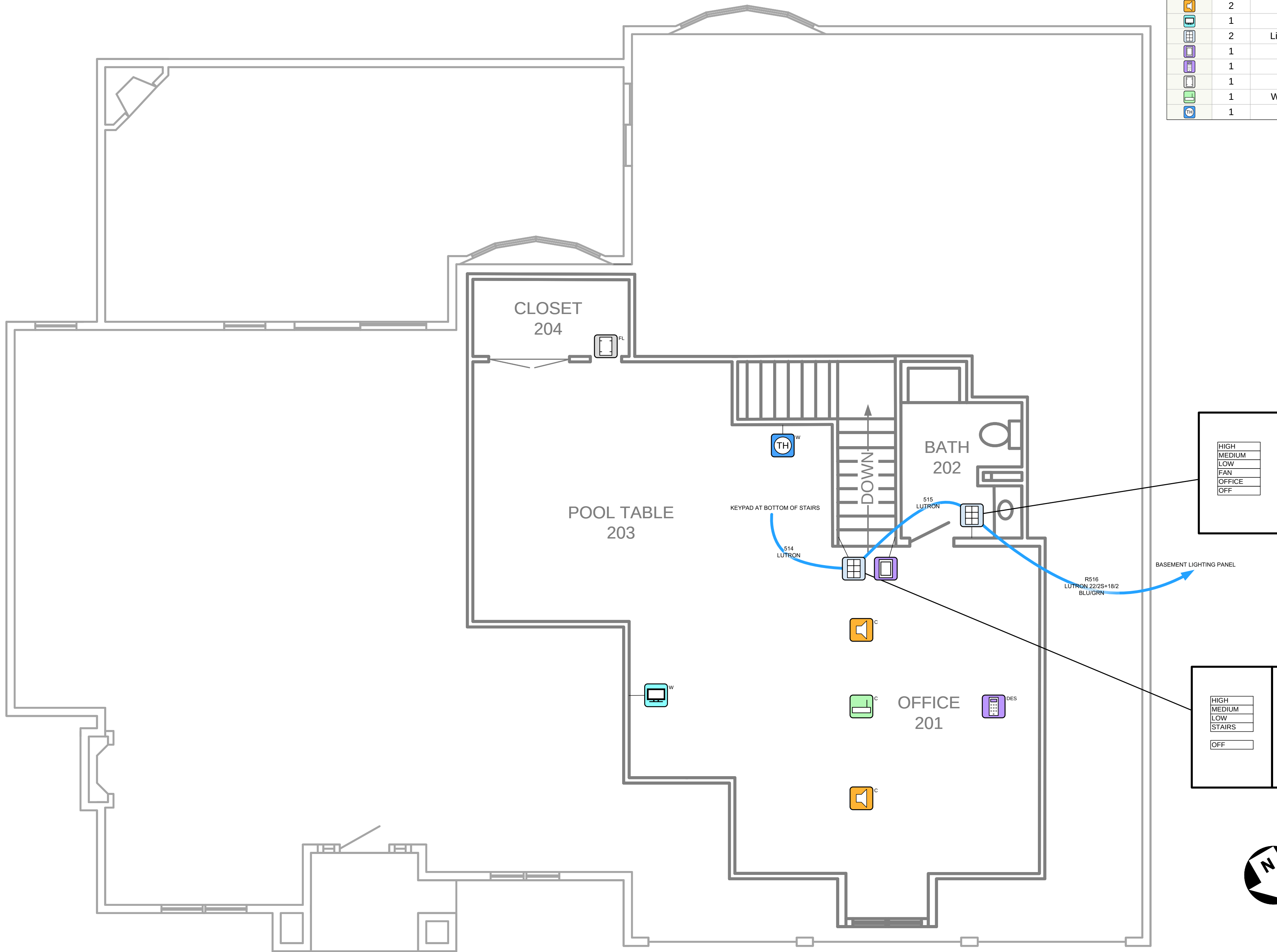
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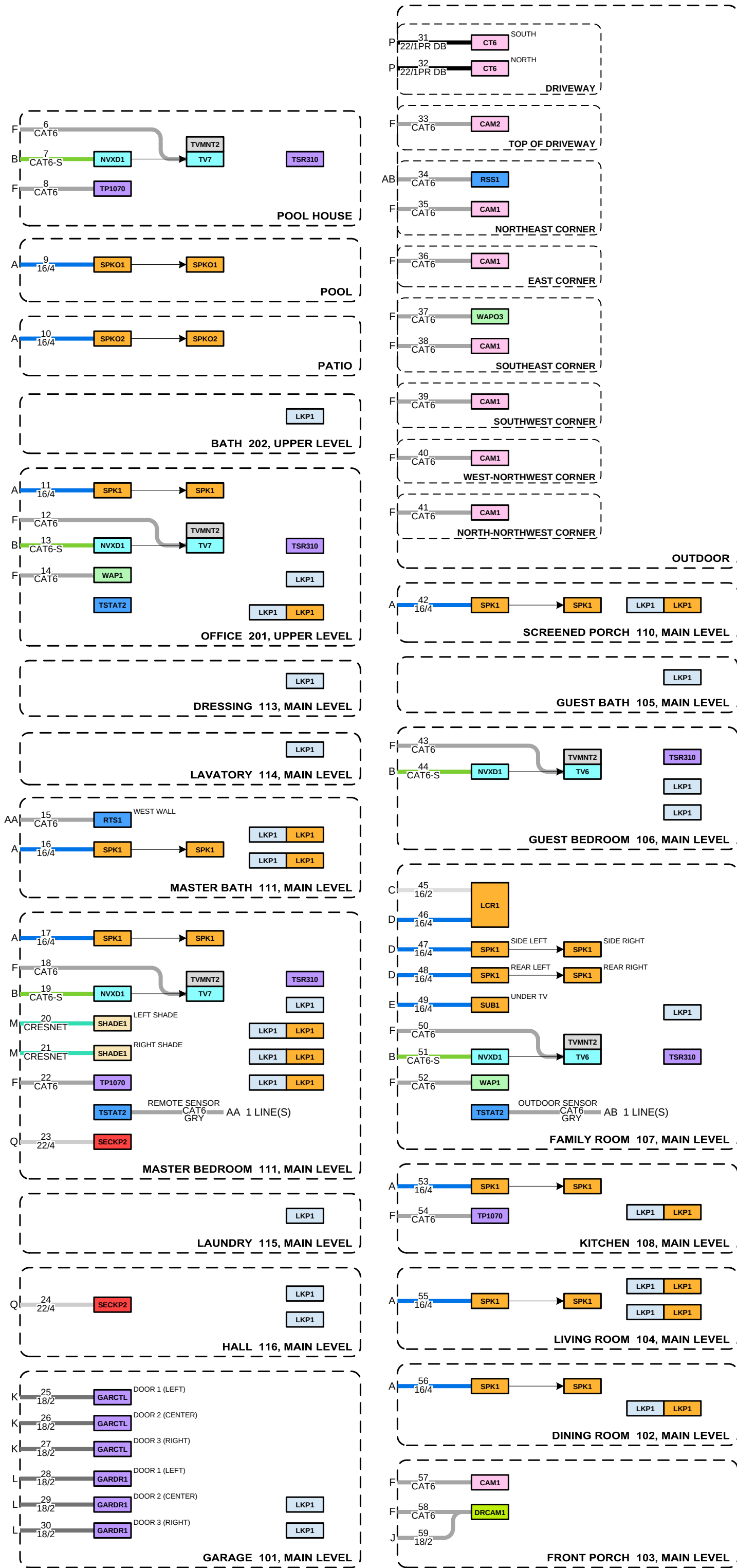
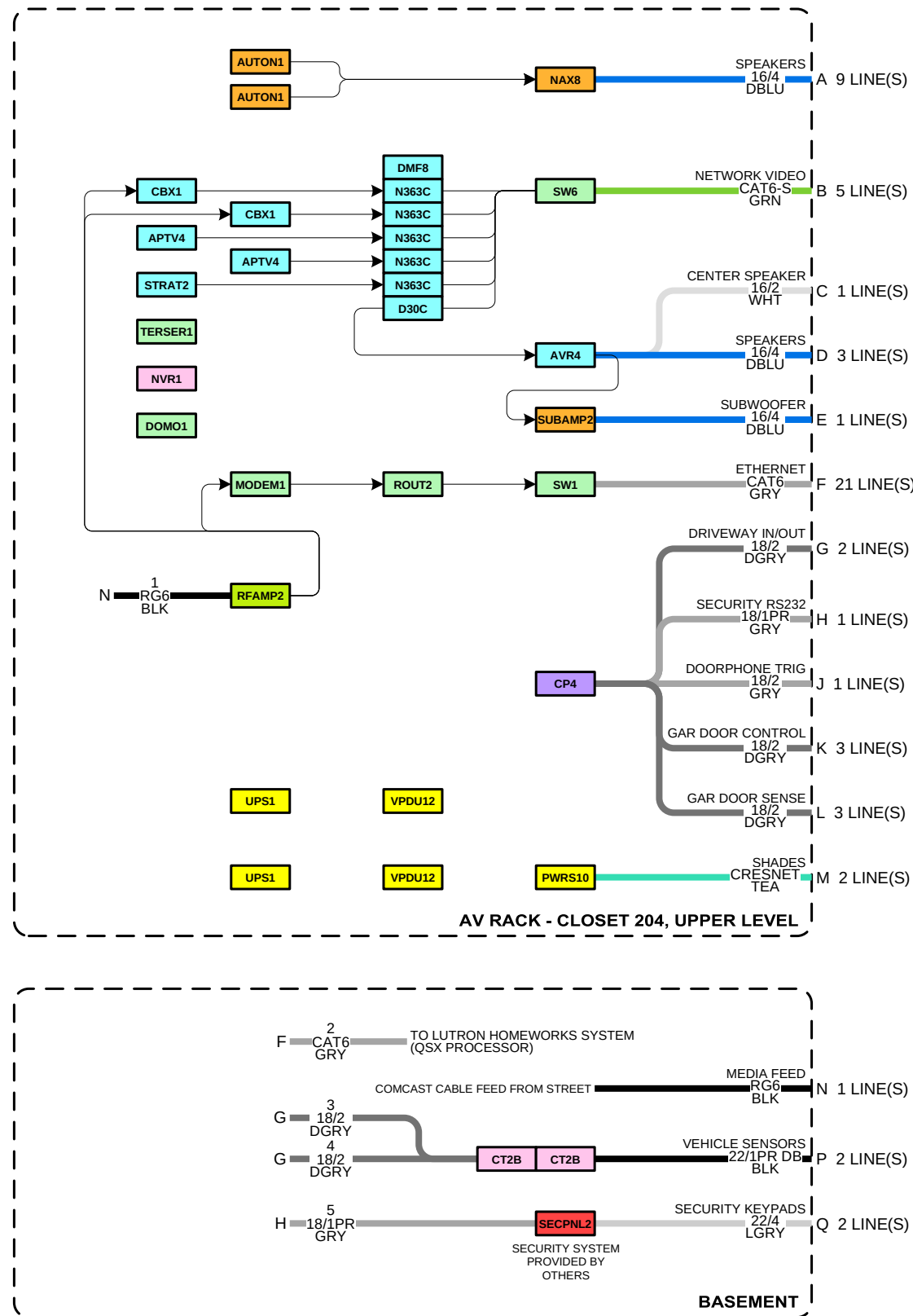
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Legend		
Symbol	Count	Description
	2	Loudspeaker
	1	Video Display
	2	Lighting User Interface
	1	Touch Panel
	1	Remote Control
	1	Headend
	1	Wireless Access Point
	1	TSTAT/Humidistat



Block Diagram Device Legend				
Reference ID	Manufacturer	Model No	Subcategory	Quantity
APT4V	Apple	Apple TV 4K	Player	2
AUTON1	Autonomic	MMS-1e	Player	2
AVR4	Marantz	SR5015	AVR	1
CAM1	Luma Surveillance	LUM-410-DOM-IP-BL	Camera	7
CAM2	Luma Surveillance	LUM-510-PTZ-IP-WH	Camera	1
CBX1	Comcast (OFE)	XG1V4	Cable Box	2
CP4	Crestron	CP4	Processor	1
CT2B	Cartell	CT-2B	Processor	2
CT6	Cartell	CT-6-200	Sensor	2
D30C	Crestron	DM-NVX-D30C	Card	1
DMF8	Crestron	DMF-C1-8	Cardframe	1
DOMO1	Domotz	Domotz Box	Monitor	1
DRCAM1	Door Bird	D1101V	Intercom	1
GARCTL	N/A	N/A	Switch	3
GARDR1	Seco-Larm	SM-226L-3Q	Sensor	3
LCR1	Triad Speakers	OnWall Mini LCR 3.0	Speaker	1
LKP1	Lutron	HQWA-W7BN	Keypad	36
MODEM1	Netgear	CM2050V	Modem	1
N363C	Crestron	DM-NVX-363C	Card	5
NAX8	Crestron	DM-NAX-8ZSA	Switcher/Amp	1
NVR1	Luma Surveillance	LUM-510-NVR-8CH	NVR	1
NVXD1	Crestron	DM-NVX-D30	Decoder	1
PDU6	Snap One	WB-800-IPVM-6	PDU	1
PWRS10	Crestron	CSA-PWS10S-HUB-ENET	Power Supply	1
RFAMP2	Snap One	WP-OUT-VID1x8PWR-PC	Splitter	1
ROUT2	Snap One	AN-310-RT-4L2W	Router	1
RSS1	Crestron	CHV-RSS	Sensor	1
RTS1	Crestron	CHV-RTS	Sensor	1
SECKP2	Honeywell	6160	Keypad	2
SECPNL2	Honeywell	VISTA-128BPT	Processor	1
SHADE1	Crestron	CSM-QMTDC-275-4-CN	Shade	2
SPK1	Sonace	VP62R	Speaker	18
SPK01	Sonace	RK83	Speaker	2
SPK02	Sonace	Mariner 66	Speaker	2
STRAT2	Kaleidescape	Strato C	Player	1
SUB1	Triad Speakers	IW-SlimSub	Subwoofer	1
SUBAMP2	Triad Speakers	RACKAMP 300	Amplifier	1
SW1	Snap One	AN-210-SW-F-48-POE	Switch	1
SW6	Snap One	AN-310-SW-F-16-POE	Switch	1
TERSER1	Kaleidescape	Compact Terra	Server	1
TP1070	Crestron	TSW-1070	Touch Panel	3
TSR310	Crestron	TSR-310	Remote	5
TSTAT2	Crestron	HZ-THSTAT-W	Thermostat	3
TV6	Sony	XR-65A80K	TV	2
TV7	Sony	XR-55A80K	TV	3
TVMNT2	Snap One	SM-VM-ART1-IW-16-L	Mount	5
UPS2	Snap One	WB-UPS-1100-8	UPS	1
VPDU12	Snap One	WB-800VPS-IPVM-12	PDU	1
WAP1	Rukus	R350	WAP	2
WAP03	Rukus	T750	WAP	1



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
Basement			Basement	Lighting Processor	Upper Level			2	CAT6-GRY
Basement			Basement	Lighting Processor	Upper Level			3	CAT6-GRY
Basement			Basement	Lighting Processor	Upper Level			4	CAT6-GRY
Basement			Basement	Lighting Processor	Upper Level			5	CAT6-GRY
Count								1	RG6-BLK
Count								2	CAT6-GRY
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Count								99	CAT6-GRY
Count								100	CAT6-GRY

BoM by Manufacturer				
Manufacturer	Model No	Subcategory	Reference ID	Quantity
Apple	Apple TV 4K	Player	APT4V	2
Autonomic	MMS-1e	Player	AUTON1	2
Cartell	CT-2B	Processor	CT2B	2
Cartell	CT-6-200	Sensor	CT6	2
Comcast (OFE)	XG1V4	Cable Box	CBX1	2
Crestron	CHV-RSS	Sensor	RSS1	1
Crestron	CHV-RTS	Sensor	RTS1	1
Crestron	CP4	Processor	CP4	1
Crestron	CSA-PWS10S-HUB-ENET	Power Supply	PWRS10	1
Crestron	CSM-QMTDC-275-4-CN	Shade	SHADE1	2
Crestron	DMF-C1-8	Cardframe	DMF8	1
Crestron	DM-NAX-8ZSA	Switcher/Amp	NAX8	1
Crestron	DM-NVX-363C	Card	N363C	5
Crestron	DM-NVX-D30	Decoder	NVXD1	5
Crestron	DM-NVX-D30C	Card	D30C	1
Crestron	HZ-THSTAT-W	Thermostat	TSTAT2	3
Crestron	TSR-310	Remote	TSR310	5
Crestron	TSW-1070	Touch Panel	TP1070	3
Domotz	Domotz Box	Monitor	DOMO1	1
Door Bird	D1101V	Intercom	DRCAM1	1
Honeywell	6160	Keypad	SECKP2	2
Honeywell	VISTA-128BPT	Processor	SECPNL2	1
Kaleidescape	Compact Terra	Server	TERSER1	1
Kaleidescape	Strato C	Player	STRAT2	1
Luma Surveillance	LUM-410-DOM-IP-BL	Camera	CAM1	7
Luma Surveillance	LUM-510-NVR-8CH	NVR	NVR1	1
Luma Surveillance	LUM-510-PTZ-IP-WH	Camera	CAM2	1
Lutron	HQWA-W7BN	Keypad	LKP1	36
Marantz	SR5015	AVR	AVR4	1
N/A	N/A	Switch	GARCTL	3
Netgear	CM2050V	Modem	MODEM1	1
Rukus	R350	WAP	WAP1	2
Rukus	T750	WAP	WAP03	1
Seco-Larm	SM-226L-3Q	Sensor	GARDR1	3
Snap One	AN-210-SW-F-48-POE	Switch	SW1	1
Snap One	AN-310-RT-4L2W	Router	ROUT2	1
Snap One	AN-310-SW-F-16-POE	Switch	SW6	1
Snap One	SM-VM-ART1-IW-16-L	Mount	TVMNT2	5
Snap One	WB-800-IPVM-6	PDU	PDU6	1
Snap One	WB-800VPS-IPVM-12	PDU	VPDU12	1
Snap One	WB-UPS-1100-8	UPS	UPS2	1
Snap One	WP-OUT-VID1x8PWR-PC	Splitter	RFAMP2	1
Sonace	Mariner 66	Speaker	SPK02	2
Sonace	RK83	Speaker	SPK01	2
Sonace	VP62R	Speaker	SPK1	18
Sony	XR-55A80K	TV	TV7	3
Sony	XR-65A80K	TV	TV6	2
Triad Speakers	IW-SlimSub	Subwoofer	SUB1	1
Triad Speakers	OnWall Mini LCR 3.0	Speaker	LCR1	1



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104 WEST STREET
MILFORD, MA 01747
508-634-1442
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DEVICE CATEGORY COLORS			
AV	COM	LTN	VAC
VIDEO	POWER	SHD	FUR
CONTROL	HW	SEC	SEC
NET	SEC	SEC	SEC

DEVICE STATUS			
NEW	EXISTING	REMOVE	

DEVICE MOUNT TYPE ABBREVIATIONS

C = CEILING	POD = PODIUM
DES = DESKTOP	POL = POLE
FL = FLOOR	R = RACK
F = FLUSH	REC = RECESSED
G = GROUND	SH = SHIELF
H = HIDDEN	S = SURFACE
M = MULLION	T = TURNSTYLE
O = OUTDOOR	W = WALL

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TITLE
BLACKFORD - ATKINSON, NH

ELECTRONIC INTERIORS,
INC
194 WEST STREET
MILFORD, MA 01747
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DEVICE CATEGORY COLORS

AUD AUDIO	COM COMMUNICATIONS	LTG LIGHTING	VAC VACUUM
VID VIDEO	PWR POWER	SHD SHADES	FUR FURNISHINGS
CTL CONTROL	HVA HVAC	HDW HANDS	FIR FIRE
NET NETWORK	SUR SURVEILLANCE	ACS ACCESS CONTROL	SEC SECURITY ALARM
INF			

DEVICE STATUS

NEW EXISTING FUTURE

DEVICE MOUNT TYPE ABBREVIATIONS

ABBREVIATIONS

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

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BLACKFORD -
ATKINSON, NU

DESCRIPTION

RACK AND ROOM SCHEMATICS

PROJECT MANAGER

DRAWN BY

DATE _____

REVISÉ

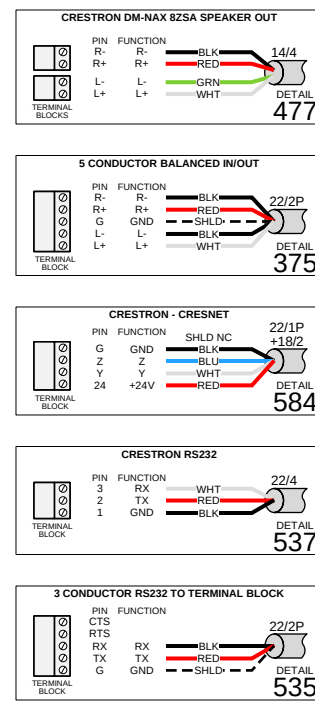
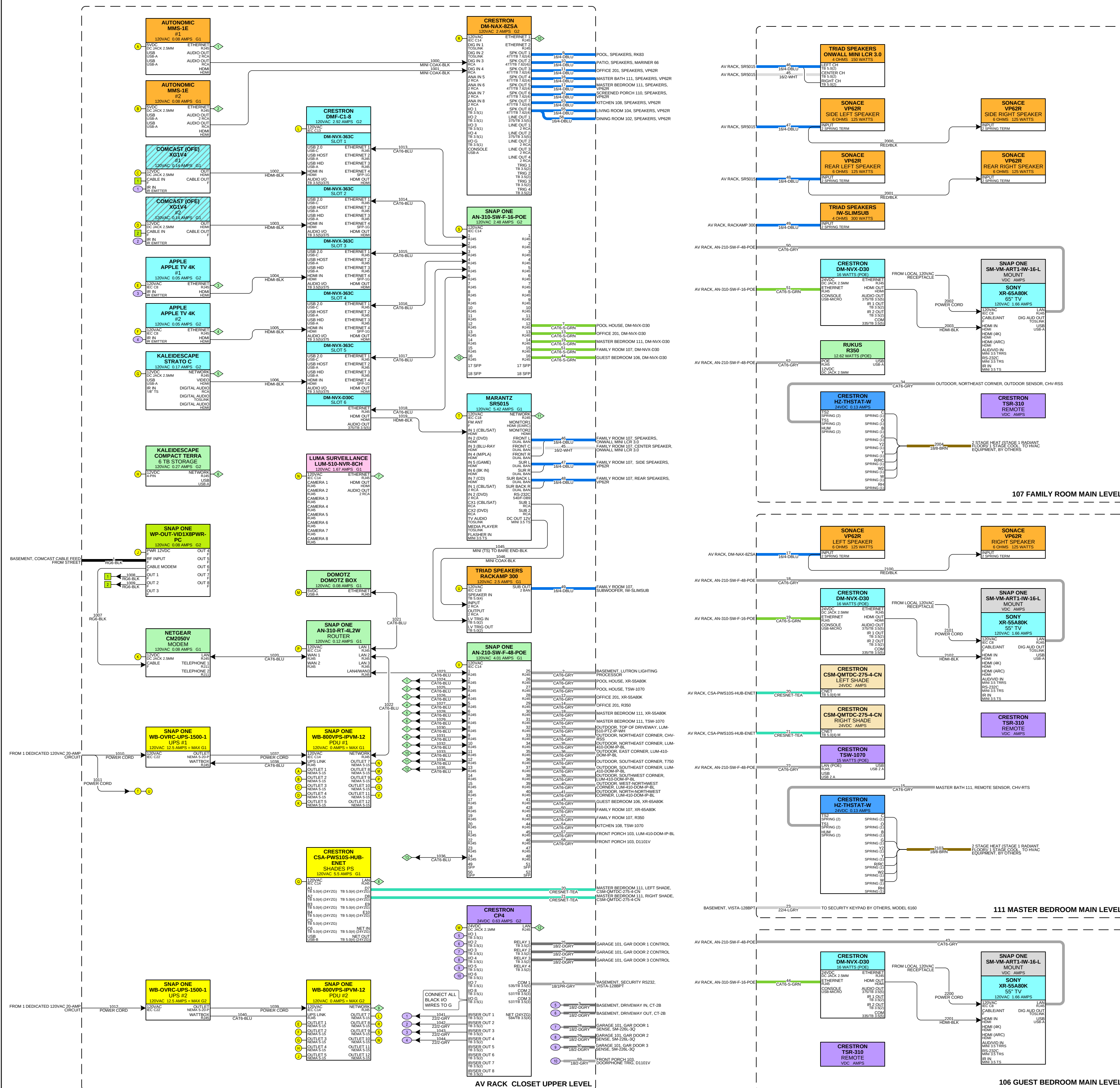
10/4/2022

1045

NONE

PROJECT NUMBER

PAGE



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INC
194 WEST STREET
MILFORD, MA 01747
508-634-1442
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DEVICE CATEGORY COLORS			
Audio	Communications	Lighting	Vacuum
Video	Power	Shades	Furniture
Control	AVAC	Hardware	Wire
Net	Surf	ACS	Sec
Network	Surveillance	Access	Security
Information	Surveillance	Control	Alarm

DEVICE STATUS		
NEW	EXISTING	FUTURE

DEVICE MOUNT TYPE ABBREVIATIONS	
C = CEILING	POD = PODIUM
DES = DESKTOP	POL = POLE
F = FLOOR	RL = RACK
F = FLUSH	R = ROOF
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TITLE
**BLACKFORD -
ATKINSON, NH**

DESCRIPTION

ROOM SCHEMATICS

PROJECT MANAGER

DRAWN BY

DATE
10/4/2022

REVISED
10/4/2022

NEXT WIRE NO.
0

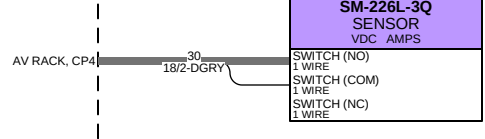
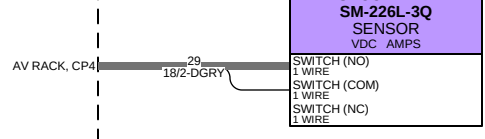
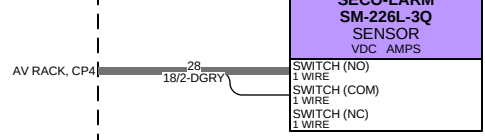
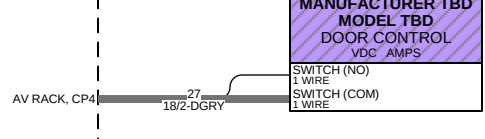
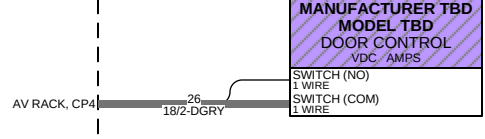
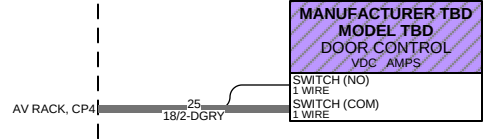
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PROJECT NUMBER

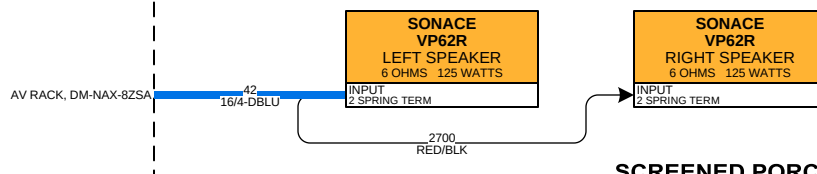
PAGE
11 OF 52

BASEMENT, VISTA-128BPT 24 22/4-LGRY TO SECURITY KEYPAD BY OTHERS, 6160

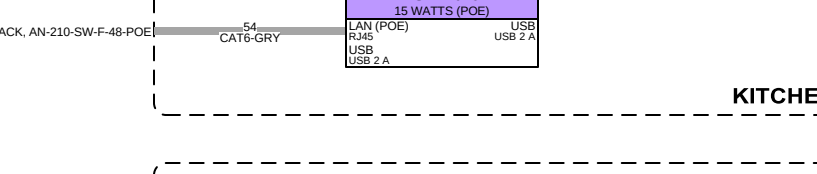
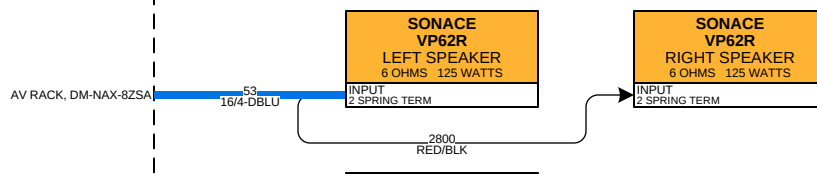
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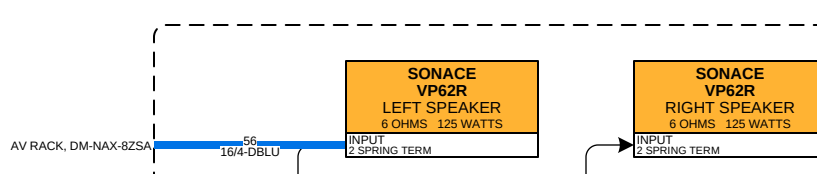
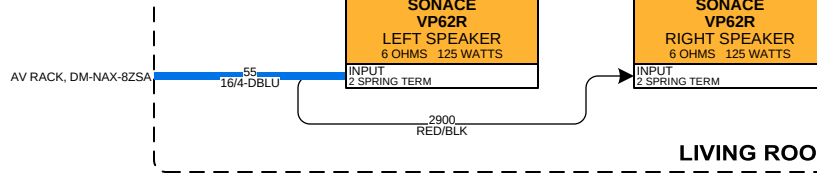
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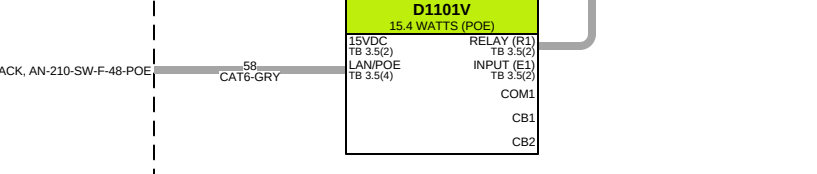
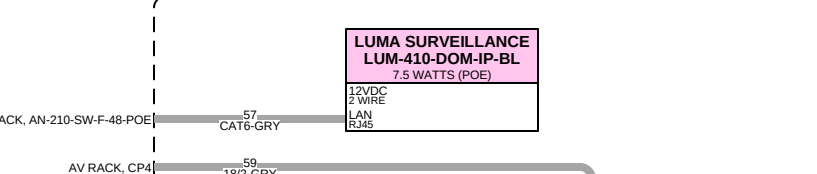
SCREENED PORCH 110



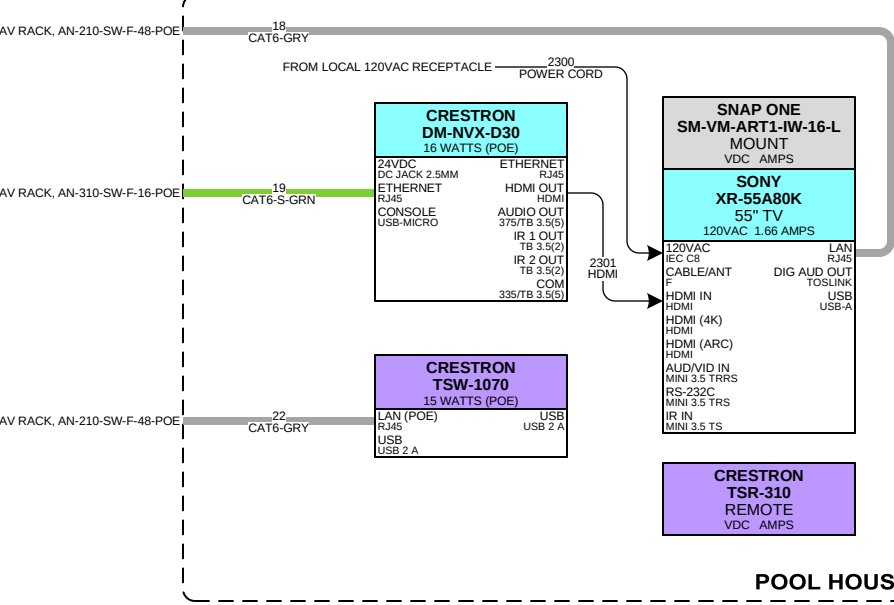
KITCHEN 108



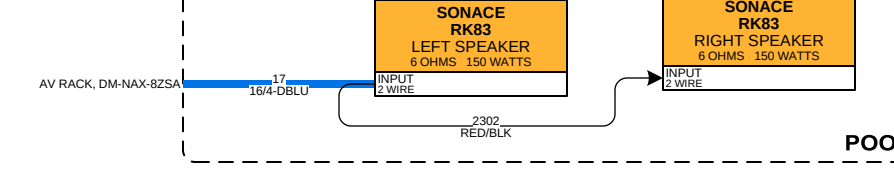
DINING ROOM 103



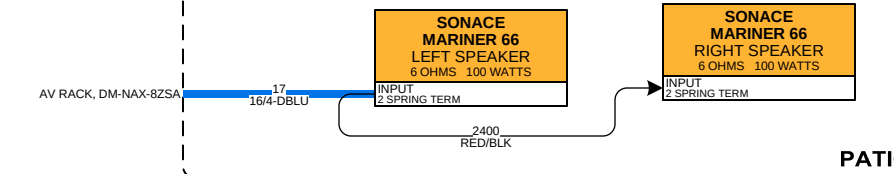
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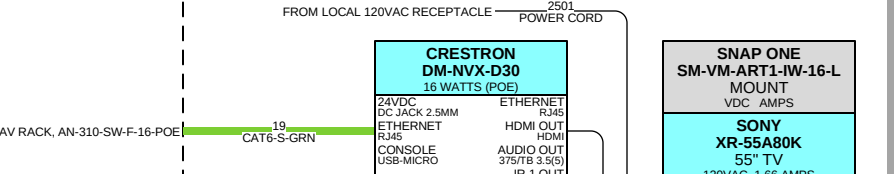
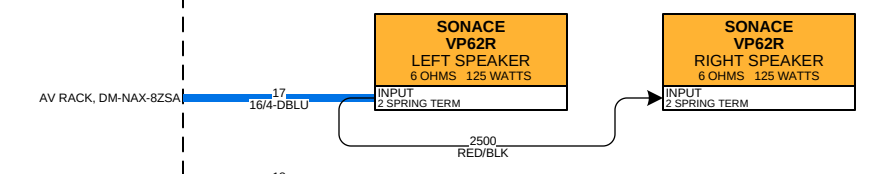
POOL HOUSE



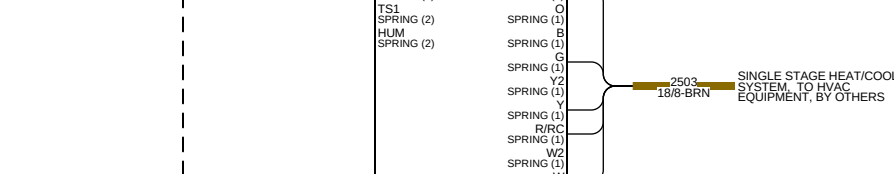
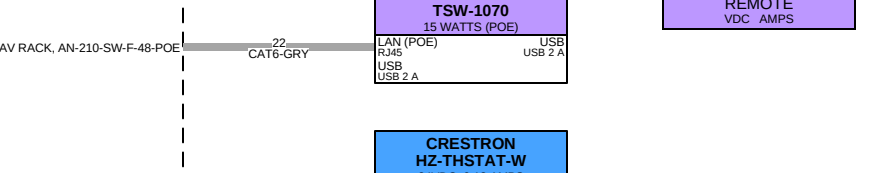
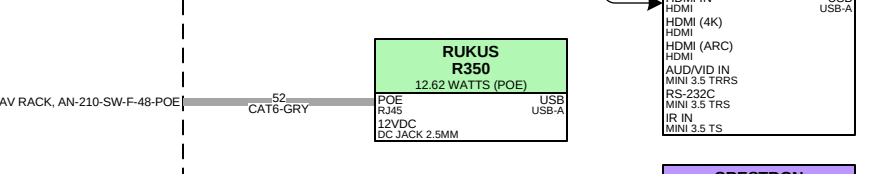
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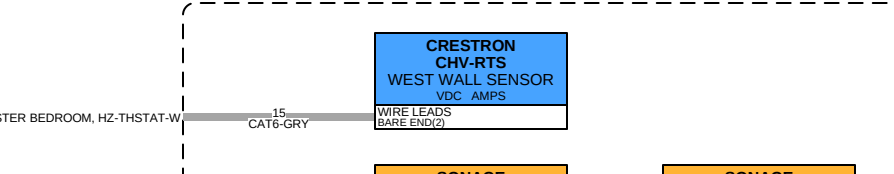
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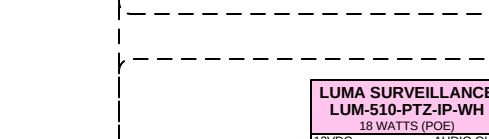
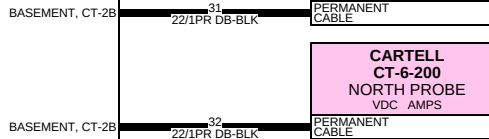
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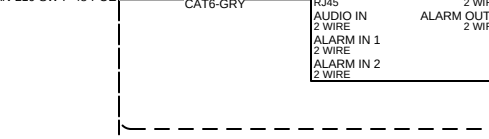
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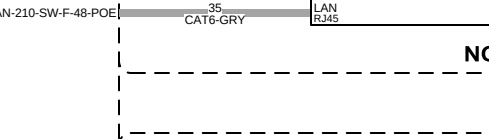
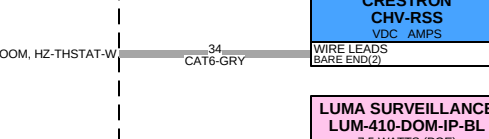
MASTER BATH 111



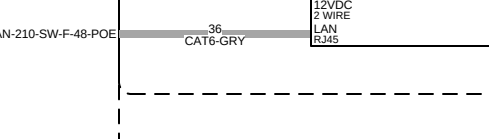
DRIVEWAY



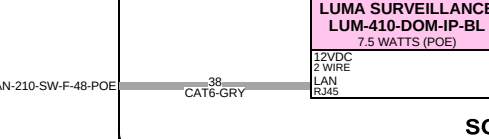
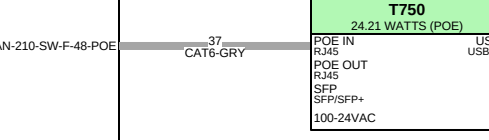
TOP OF DRIVEWAY



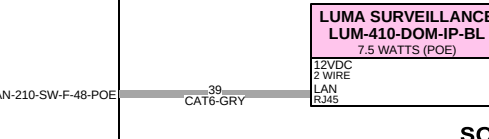
NORTHEAST CORNER OF HOUSE



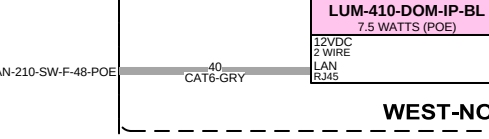
EAST CORNER OF HOUSE



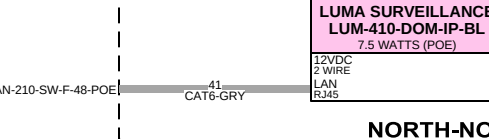
SOUTHEAST CORNER OF HOUSE



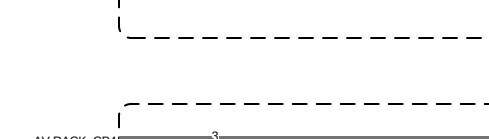
SOUTHWEST CORNER OF HOUSE



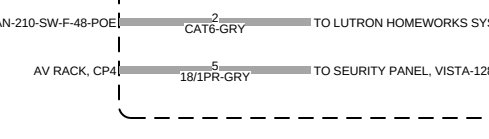
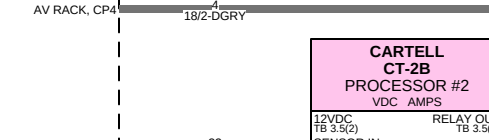
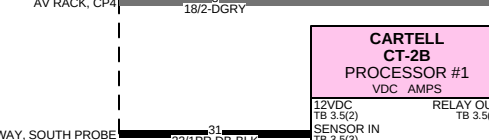
WEST-NORTHWEST CORNER OF HOUSE



NORTH-NORTHWEST CORNER OF HOUSE

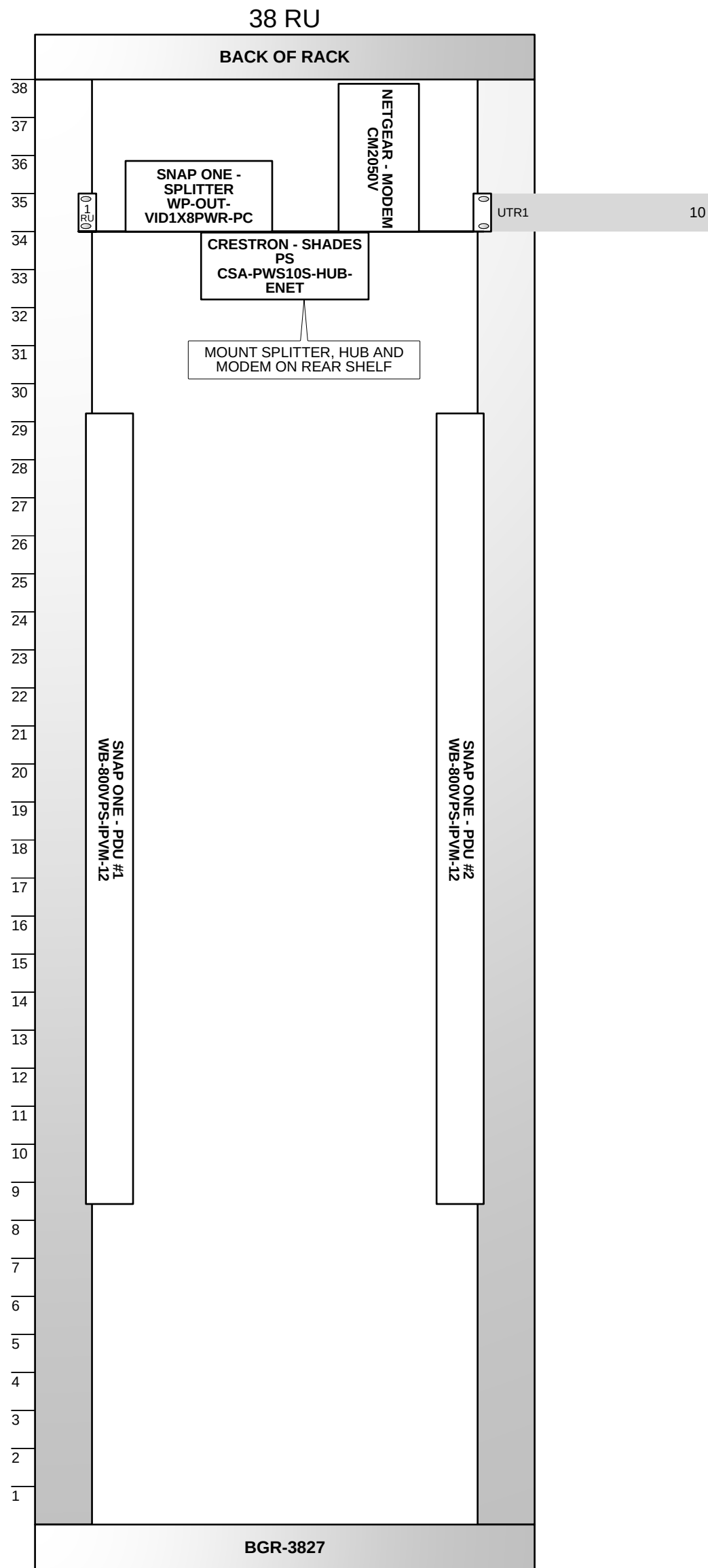


OUTDOOR

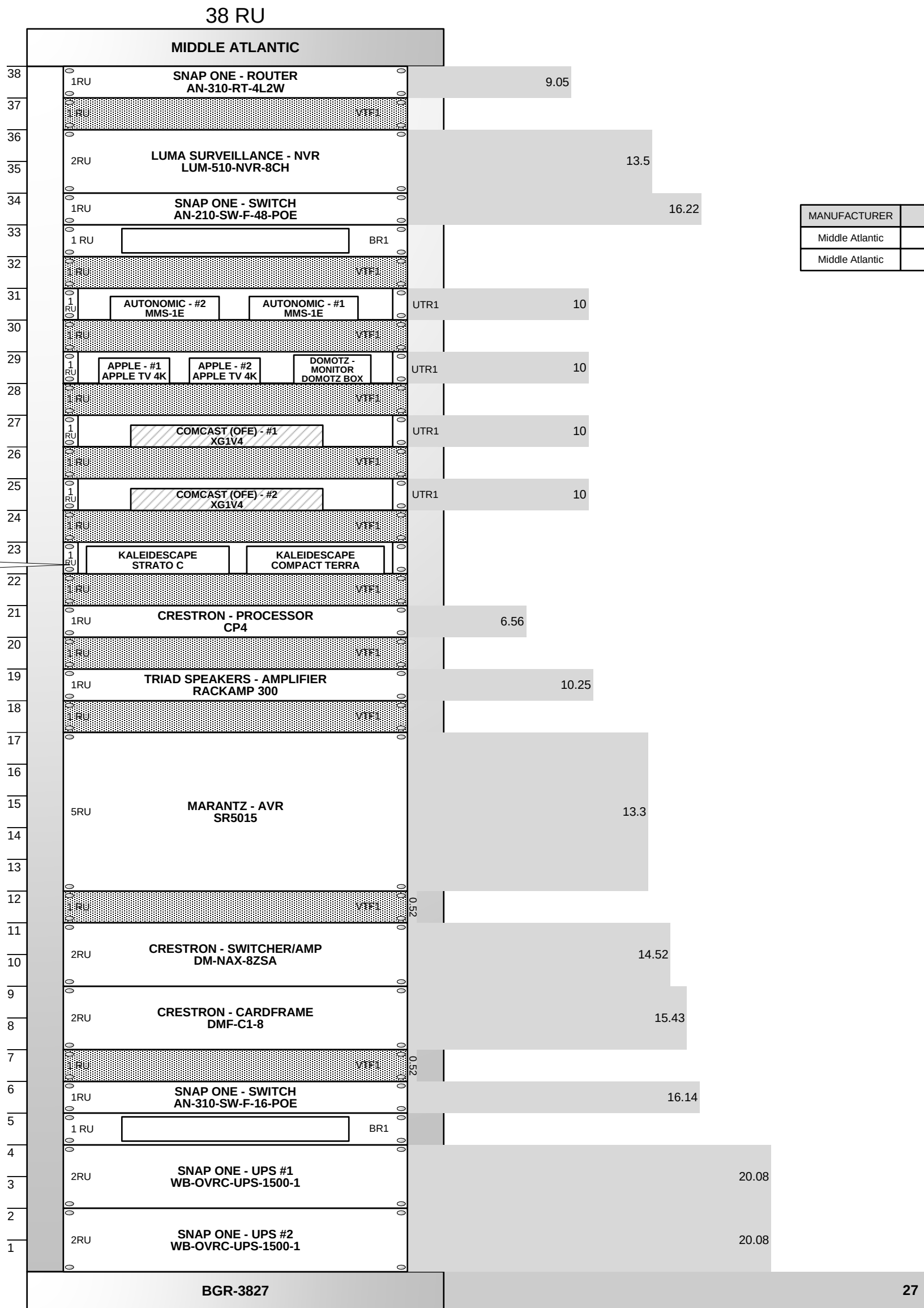


BASEMENT

AC Current and Ventilation Totals			
	Current [Typical] (Amps)	Heat [Typical] (Btu/h)	Ventilation [Typical] (CFM)
Total	23.97	6453.31	597.53



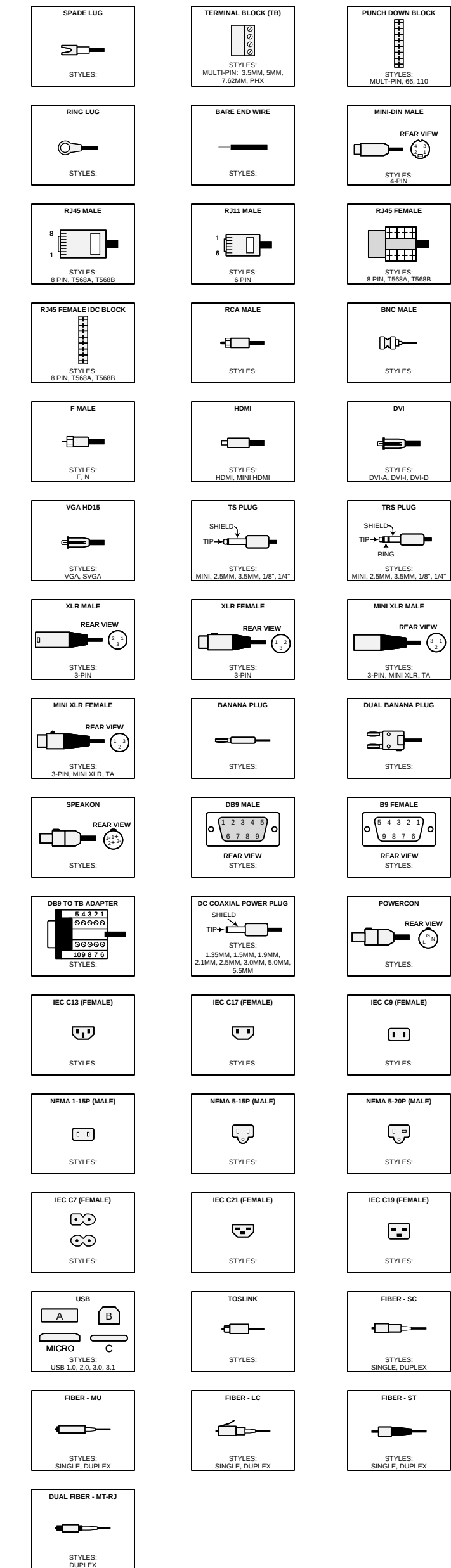
Rack(s) Bill of Materials				
Manufacturer	Model No	Description	Pieces/Package	Quantity
Kaleidescape	KMOUNT-K0110-K0217-RM	Kaleidescape - Terra (compact)/Strato C Rack-Mount Hardware - Black		1
Middle Atlantic	BGR-3827	BGR SERIES 19" GANGABLE ENCLOSURES		1
Middle Atlantic	BR1	1 RU Brush Grommet Panel		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	UTR1	UTR1 - Half / third rack shelf		6
Middle Atlantic	VTF1	1 RU Rack Vent Panel, Perforated with 25% Open Area		11



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

Rack Dimensions					
Manufacturer	Model No	Rack Height (RU)	Overall Rack Height (in)	Width (in)	Depth (in)
Middle Atlantic	BGR-3827	38	70.63	23	27

COMMON TERMINATION TYPES



COMMON TERMINATION DETAILS



ELECTRONIC INTERIORS, INC.
194 WEST STREET
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DEVICE CATEGORY COLORS			
AUDIO	COMMUNICATIONS	LIGHTING	VACUUM
VIDEO	POWER	SHADES	FURNISHINGS
CONTROL	AVAIL.	HARDWARE	WIRE
NETWORK	SURVEILLANCE	ACCESS	SECURITY
INFORMATION	CONTROL	ALARM	

DEVICE STATUS		
NEW	EXISTING	FUTURE

DEVICE MOUNT TYPE ABBREVIATIONS

C = CEILING	POD = PODIUM
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TITLE

BLACKFORD - ATKINSON, NH

DESCRIPTION

WIRE TERMINATIONS

PROJECT MANAGER

DRAWN BY

DATE

10/4/2022

REVISED

10/4/2022

NEXT WIRE NO.

SCALE

NONE

PROJECT NUMBER

PAGE

13 OF 52