Device, Cable, and Panel Labeling scheme_old

> This is constantly changing as I try to document and standardize what I do in my installations.

Hardware and Labels used:

Printer: Brady M710 Label Maker:



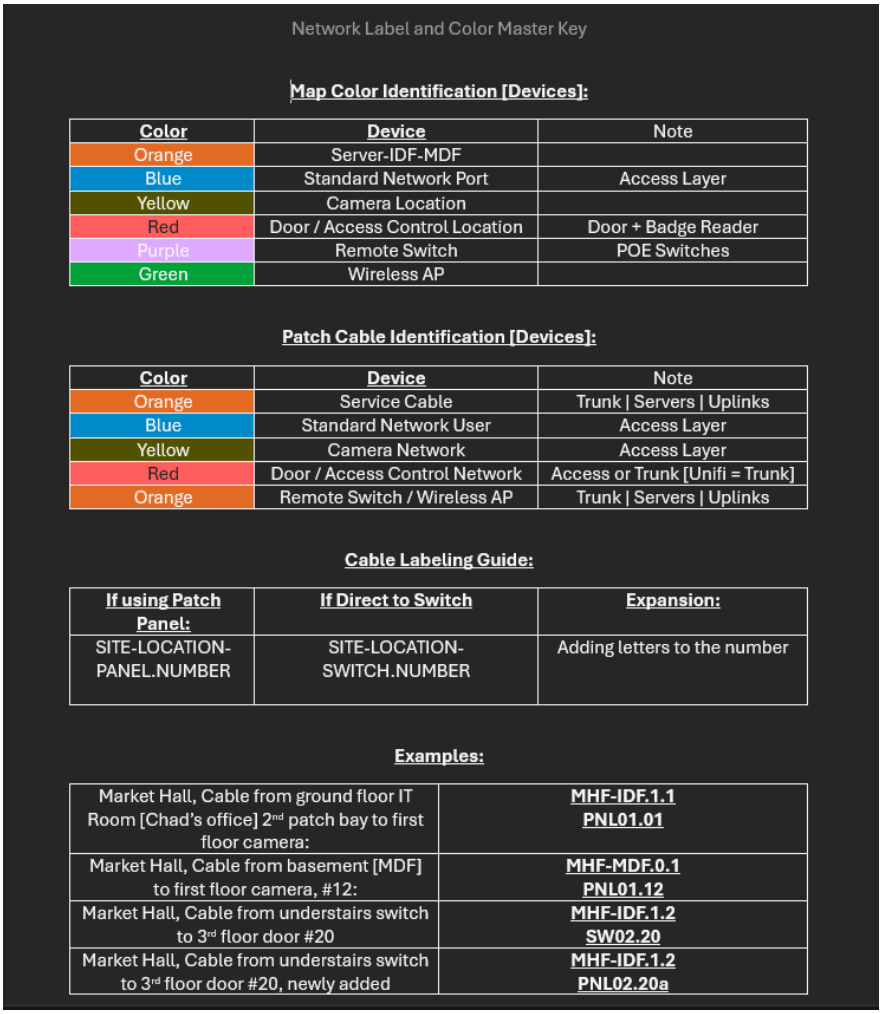
Labels:

Label Type	Label Size	Brady Part Numer [URL]	Count Per Roll	Estimate Price	Required Ribbon

Basic Sticker	1.0" x 1.0"	M7-19-423	250	$43.50	
Metallic Label	1.0" x 2.0"	M7-20-435	100	$40.00	
Cable Wrap Sticker	1.5" x 1.0"	M7-31-427	250	$68.00	R4300 - $73.00

Printable Site Template Guide:

Editable Document: NetworkIdentification.docx



Network Label and Color Master Key

Map Color Identification [Devices]:

Color	Device	Note
Orange	Server-IDF-MDF	
Blue	Standard Network Port	Access Layer
Yellow	Camera Location	
Red	Door / Access Control Location	Door + Badge Reader
Purple	Remote Switch	POE Switches
Green	Wireless AP	

Patch Cable Identification [Devices]:

Color	Device	Note
Orange	Service Cable	Trunk | Servers | Uplinks
Blue	Standard Network User	Access Layer
Yellow	Camera Network	Access Layer
Red	Door / Access Control Network	Access or Trunk [Unifi = Trunk]
Orange	Remote Switch / Wireless AP	Trunk | Servers | Uplinks

Cable Labeling Guide:

If using Patch Panel:	If Direct to Switch	Expansion:
SITE-LOCATION-PANEL.NUMBER	SITE-LOCATION-SWITCH.NUMBER	Adding letters to the number

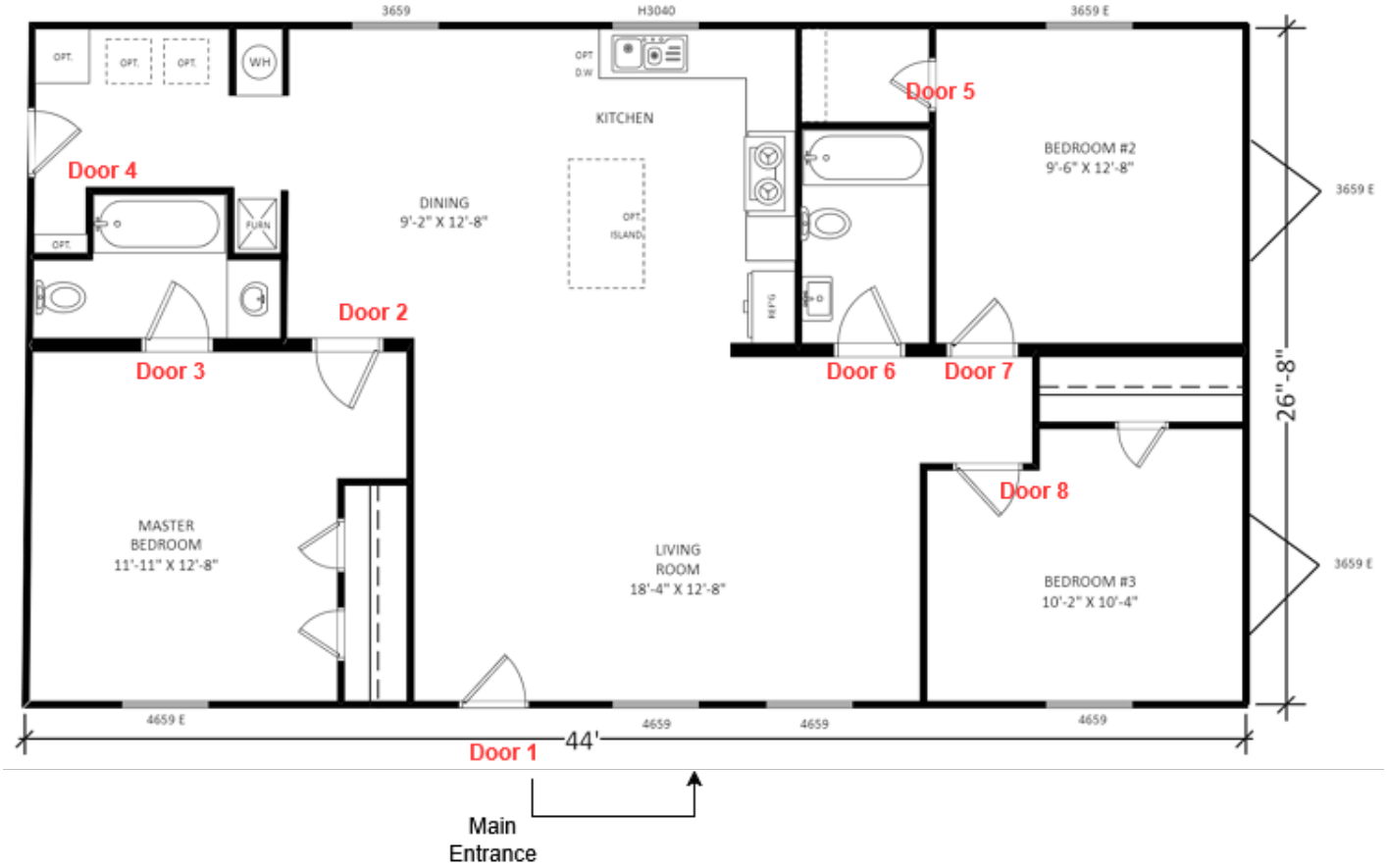
Examples:

Market Hall, Cable from ground floor IT Room [Chad's office] 2nd patch bay to first floor camera:	MHF-IDF.1.1 PNL01.01
Market Hall, Cable from basement [MDF] to first floor camera, #12:	MHF-MDF.0.1 PNL01.12
Market Hall, Cable from understairs switch to 3rd floor door #20	MHF-IDF.1.2 SW02.20
Market Hall, Cable from understairs switch to 3rd floor door #20, newly added	MHF-IDF.1.2 PNL02.20a

Panels / Doors Labels:

> All panels are counted clockwise from either MPOE or Main Entry.

Start at the Main Doorway and count clockwise around the Facility.



Location/Type	First	Example	Expansion
Main Point of Entry	(Site)-MPOE.(Floor).(door)	SASC-MPO.1.6	N/A - Only 1 MPOE per side
Intermediate Distribution Frame	(Site)-IDF.(Floor).(Door)	SASC-IDF.1.1	IDF-1-1a, IDF-1-1b
Media Cabinets/Panels	(Site)-PNL.(Floor).(Panel Number)	SASC-PNL.1.1, SASC-PNL.2.1	
Facility Doors:	(Site)-FL-DR##	SASC-01-DR01	

Notes:

> MPOE - This is where the internet comes into the building. In residential buildings, it is commonly seen as a utility hidden under stairs or in basements. In large commercial buildings, it's widely known that risers [cables that link IDFs in other floors or wings] are used.

> IDF - This is where your switching or server equipment is located to support each floor. This commonly hosts switches that connect back to the MPOE

Cable Labels:

606-B Notes:

Near end = AG09-35:01/AJ06-35:01

Far end = AJ06-35:01/AG09-35:01

If standing at rack location AG09, reading this near-end cable identifier will describe both the near-end and far-end locations.

AG09 = Rack or cabinet at grid location AG09 within the data center

-35 = Patch panel located 35 rack units from the bottom in rack AG09

:01 = Port 01 in patch panel located 35 rack units from the bottom of rack AG09

/ = Separator for near-end/far-end location description

AJ06 = Rack or cabinet at grid location AJ06 within the data center

-35 = Patch panel located 35 rack units from the bottom in rack AJ06

:01 = Port 01 in patch panel located 35 rack units from the bottom of the rack in AJ06

Examples	First	Example	Expansion
SASC Patch Bay to Environment	(Panel Number).(Port Number on Panel)	P6.12	P6.12a | P6.12b [only applies to split cables]
SASC to Device	(Panel Number).(Port Number on Panel)	P6.12	P6.12a | P6.12b [only applies to split cables]
Wilson-MHF	(site)-(IDF#)-(Panel Number).Port Number	MHF-IDF2.1-P1.1	N/A

Device Labels:

Controllers: Physical hardware in Panels, Walls or mounted to walls

Location/Type	First	Example	Expansion
Door Access Hub	(site)-CTL.(floor)-(door number)	SASC-CTL.1.05	SASC-CTL.1.05a
Door Intercom	(Acesss Hub)-IntCom	SASC-CTL.1.05-IntCom	IntCom
Door Badge Reader	(Acesss Hub)-Reader	SASC-CTL.1.05-Reader	

Network Devices:

Location/Type	First	Example	Expansion
Firewall/Router	(site)-FW##	925-FW01	925-FW02
Switches	(site)-SW##	925-SW01	925-SW02
Cameras	(location)-(object-in-camera)	INTERNAL-CashReg	INTERNAL-CashReg02

Notes:

Cameras have special naming schemes. We define them as internal or external to quickly identify access. Tenants and Employees typically can access external cameras, but internal camera access is heavily policed. A camera overlooking a driveway would be called "EXTERNAL-Driveway-North"

Patch Bay printed label templates:

PatchBaySize_12portLevitonKeystone.docx

PatchBaySize_12portSurfacemount.docx

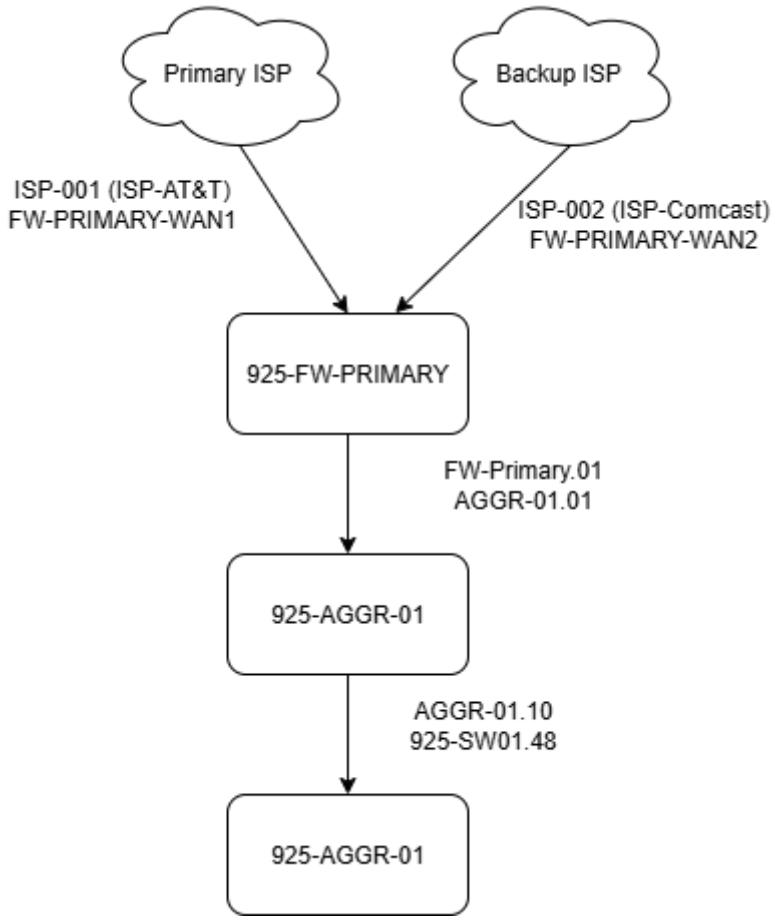
PatchBaySize_24portKeystone.docx

PatchBaySize_48port.docx

PatchBaySize_24port.docx

Wire In between Devices:

2x Layer labels. Order of spanning tree. Top of label = First location. The bottom of the Label = end of the cable.



Device	Fire	Example	Expansion/Options
Device	Top: Where it terminates Bottom: What it terminates		
ISP to Firewall/Router	(site)-ISP.## [Number or name] FW-Primary-PORT	MHF-ISP.001 FW-Primary-WAN1	ISP-AT&T FW-Secondary-WAN2
Router to Distribution Switch	FW/ROUT.Port AGGR-##.PORT	FW-Primary.03 AGGR-01.01	FW-Secondary.03 AGGR-02.01
Router/Agg to L3/2 Switch IN MPOE	AGG-##.Port SW##.Port	AGGR-01.10 SW01.49	AGGR-02.12-BONDa AGGR-02.13-BONDb
Patch Cables between IDF/MPOE and the environment	(thing)-(floor)-(number) Service*-### *NET | *TEL | *COM |	MHF-IDF.1.2 NET-001 *TEL-001	IDF-1-2 NET-001a
Riser Cables [between MPOE, IDF, Panels]	(site)-(thing).(floor).(number) (site)-(thing).(floor).(number)	MHF-IDF.1.001 SASC-PNL.2.001	IDF-1-1.001a, IDF-1-1.001b PNL-1-2.002a
Badge Readers	(site)-CTL.(floor).(number)-Reader	SASC-CTL.1.05-Reader	

Camera Cable	(thing)-(floor)-(number) CAM-###	SASC-CAM-1.05	
Access-Hub (not in panel)	(site)-CTL.(floor)-(door number)	SASC-CTL.1.1A	SASC-CTL.1.1B
Reader-Flex (no Hub)	(site)-CTL.(floor)-(door number)	SASC-CTL.1.1A	SASC-CTL.1.1B

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