COVID-19 TENTS NETWORK PLAN

SYDNEY RUDNY

MILLIKIN UNIVERSITY

Contents

Logical Network Design

(About Us, n.d.)**Physical Network Design**

Symbol	Name
	Triage/intake
	Tents
	IT Tent
	Drive-up Testing
○	Network connection area
—	Cabling

= AT&T

= Comcast

St.Mary's/ DMH

Firehouse

Maintenance Shed

Triage

Tent 1

Tent 2

Tent 3

Tent 4

IT TENT

Testing

Treatment Tents (4)

Service cart for I/O devices & laptops

To IT tent

Switch

Printer Bank

LaserJet Printer

Label/Medical Bracelet Printer

IT Tent

AT&T Router (backup)

Router

Control Switch

Router

Comcast Router
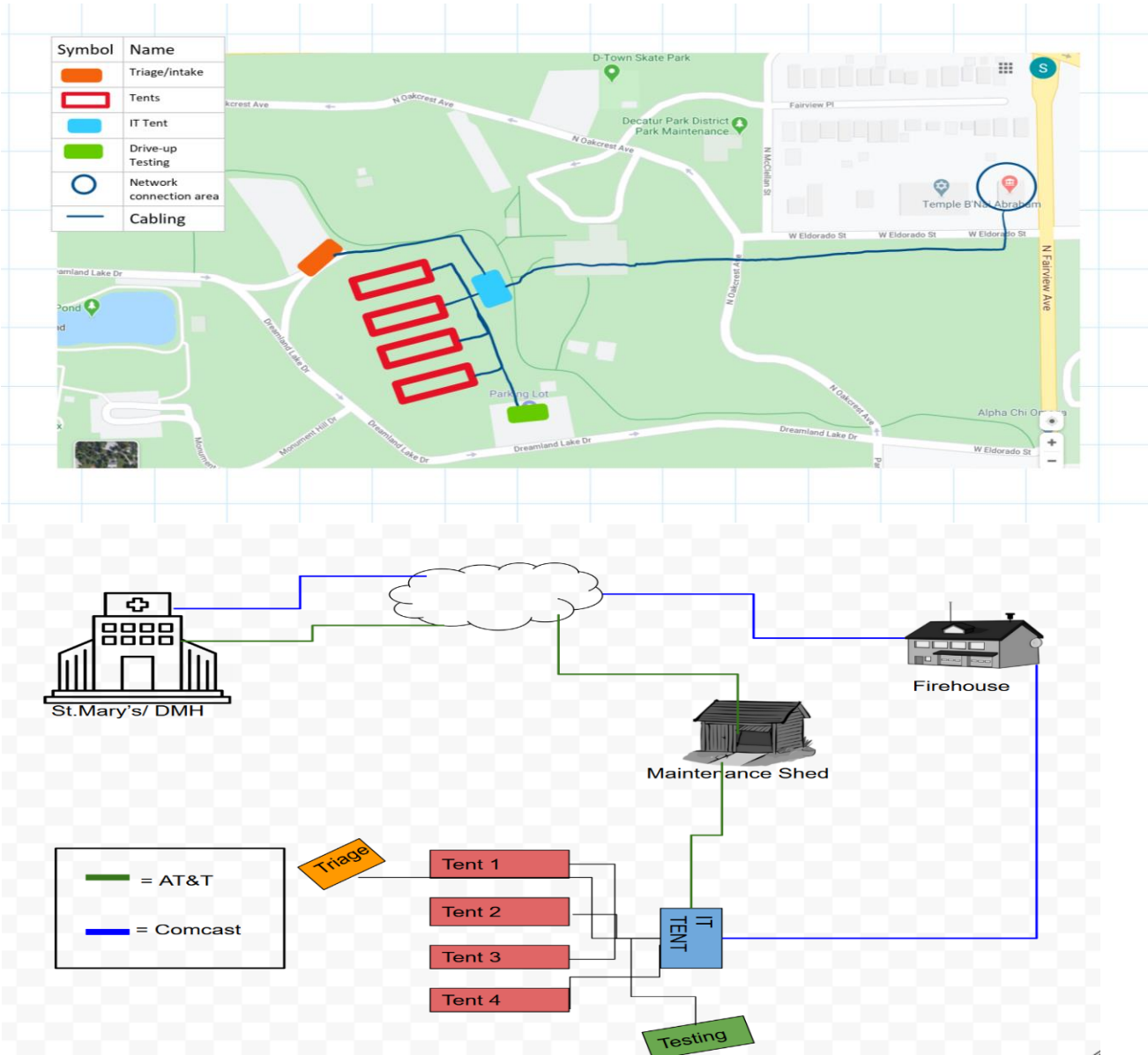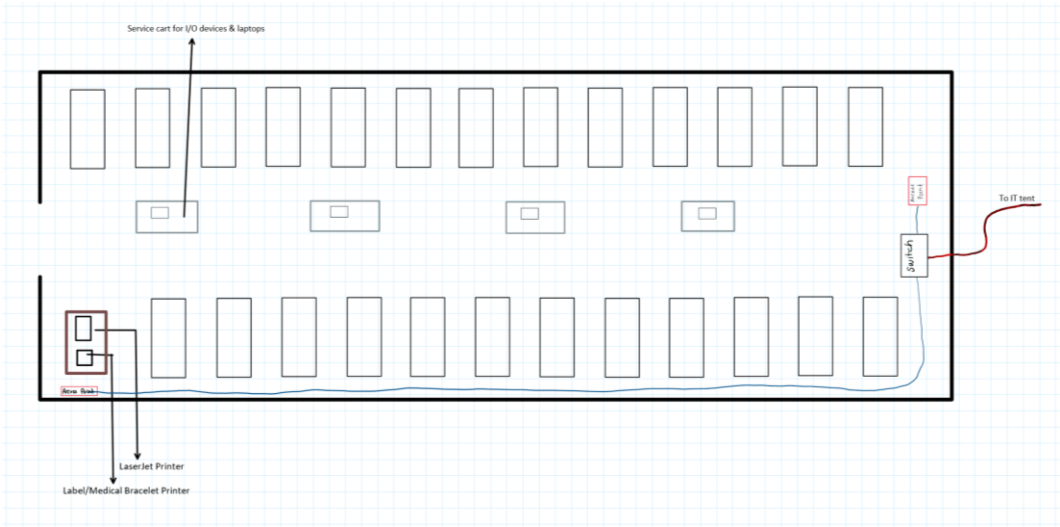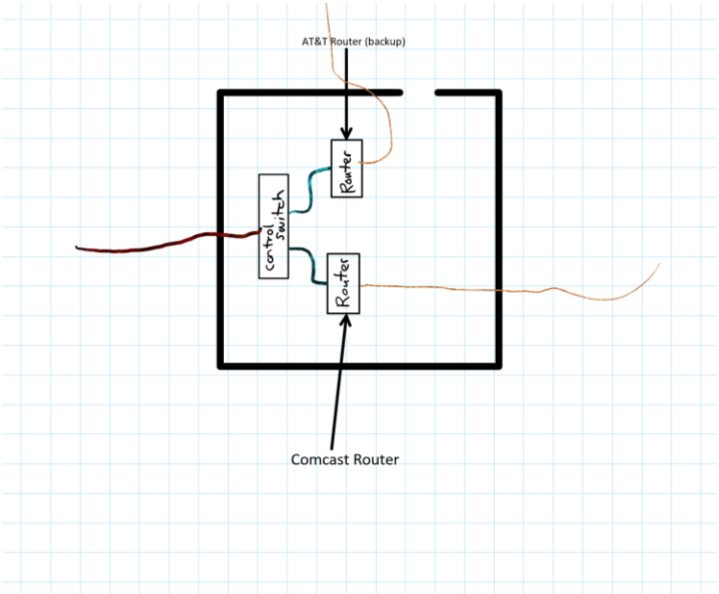
Drive-up Testing/Triage/Intake
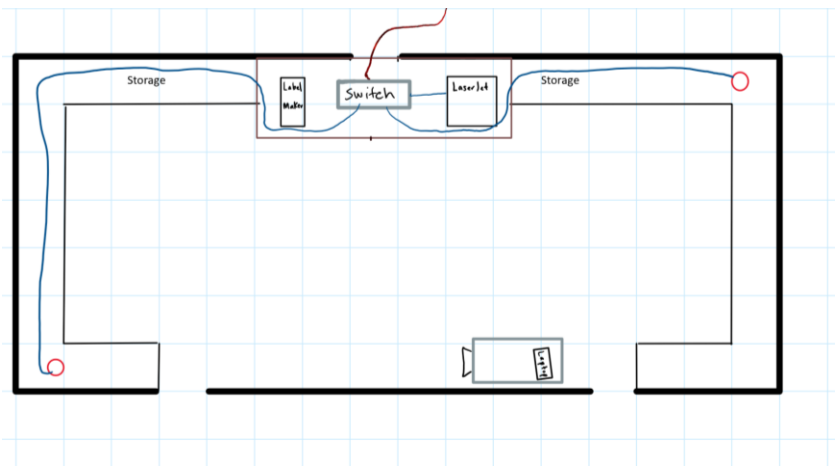
IP Scheme

Pricing

COVID Treatment Tent					
Model Number	Name	Description	Quantity	Price	Link
20NF0012US	Lenovo ThinkPad E595 15.6"	Quad-core, 256 GB hard drive, 8 GB RAM, webcam, USB ports, HDMI	16	$ 678.00	https://www.cdw.com/product/lenovo-thinkpad-e595-15.6-ryzen-5-3500u-8gb-ram-256gb-windows-10-pro/5534746#PO
DS4600-HC	DS4600 Series for Healthcare (Barcode Scanner)	Handheld or hands-free,datacapture DNA, durable	4	$ 252.00	https://www.zebra.com/us/en/products/spec-sheets/scanners/healthcare-scanners/ds4608-hc.html
HC100	Zebra HC100 Patient ID Thermal Printer	thermal printer with easy load, detects wristband size (adult, pediatric, infant) and automatically calibrates its settings for optimal print quality.	4	N/A	https://www.identisys.com/docs/shared/product-sell-sheets/zebra-hc100-wristband-printer-data-sheet_1112i.pdf?sfvrsn=0
M428fdw	HP LaserJet Pro MP	print, copy, scan, fax, 2 paper tray, standard ethernet connection, secure firmware integrity	4	$ 450.00	https://store.hp.com/us/en/pdp/hp-laserjet-pro-mfp-m428fdw
960-000694	Logitech Photo ID Cam	USB connection, built in microphone, mount	1	$ 40.00	https://www.barcodesinc.com/logitech/part-960-
WAC104	AC1200 Dual Band Wireless Access Point	wall mount, desktop, WEP encryption, 2.4GHz and 5GHz frequency ranges, perfect for small office ranges	8	$ 70.00	https://www.netgear.com/business/products/wireless/essentials-wireless/WAC104.aspx#tab-features
JGS524v2	Gigabit Unmanaged Switch	24 ports, 10/100/1000Mbps Gigibit Ethernet, energy efficient	4	$ 159.99	https://www.netgear.com/business/products/switches/unmanaged/JGS524.aspx#tab-techspecs

IT Tent					
Model Number	Name	Description	Quantity	Price	Link
FVS318G	ProSAFE VPN Firewall	LAN-WAN:250 Mbps,Active Directory, LDAP, Radius, WIKID, MIAS, NT Domain, Local User Database	1	N/A	https://www.netgear.com/business/products/security/FVS318G.aspx#tab-techspecs
JGS524v2	Gigabit Unmanaged Switch	24 ports, 10/100/1000Mbps Gigibit Ethernet, energy efficient	1	$ 159.99	https://www.netgear.com/business/products/switches/unmanaged/JGS524.aspx#tab-techspecs
AC1900	NETGEAR Nighthawk	NETGEAR armor, 4 ethernet ports, USB	2	$ 159.99	https://www.netgear.com/home/products/networking/wifi-routers/R7000.aspx

Network Connection					
Name	Description	Quantity	Price		Link
1000ft Spool Fiber Optics			$ 200.00		https://www.amazon.com/1000ft-Fiber-Optic-Singlemode-Duplex/dp/B005NWYQN2
Coax Cable		per foot	$ 0.25		
5 Channel Cable Protector Ramp	protect cabling	per unit	$ 15.00		https://proavrentals.net/products/5-channel-cable-protector-ramp

Triage/Intake Tent/Drive-Up Testing					
Model Number	Name	Description	Quantity	Price	Link
20NF0012US	Lenovo ThinkPad E595 15.6"	Quad-core, 256 GB hard drive, 8 GB RAM, webcam, USB ports, HDMI	3	$ 678.00	https://www.cdw.com/product/lenovo-thinkpad-e595-15.6-ryzen-5-3500u-8gb-ram-256gb-windows-10-pro/5534746#PO
DS4600-HC	DS4600 Series for Healthcare (Barcode Scanner)	Handheld or hands-free,datacapture DNA, durable	1	$ 252.00	https://www.zebra.com/us/en/products/spec-sheets/scanners/healthcare-scanners/ds4608-hc.html
HC100	Zebra HC100 Patient ID Thermal Printer	thermal printer with easy load, detects wristband size (adult, pediatric, infant) and automatically calibrates its settings for optimal print quality.	1	N/A	https://www.identisys.com/docs/shared/product-sell-sheets/zebra-hc100-wristband-printer-data-sheet_1112i.pdf?sfvrsn=0
M428fdw	HP LaserJet Pro MP	print, copy, scan, fax, 2 paper tray, standard ethernet connection, secure firmware integrity	1	$ 450.00	https://store.hp.com/us/en/pdp/hp-laserjet-pro-mfp-m428fdw
WAC104	AC1200 Dual Band Wireless Access Point	wall mount, desktop, WEP encryption, 2.4GHz and 5GHz frequency ranges, perfect for small office ranges	2	$ 70.00	https://www.netgear.com/business/products/wireless/essentials-wireless/WAC104.aspx#tab-features
JGS524v2	Gigabit Unmanaged Switch	24 ports, 10/100/1000Mbps Gigibit Ethernet, energy efficient	1	$ 159.99	https://www.netgear.com/business/products/switches/unmanaged/JGS524.aspx#tab-techspecs

Questions/Planning

Work Cited

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