**Hardware List**

<https://www.cdw.ca/product/cisco-catalyst-9300x-network-advantage-switch-24-ports-managed-ra/6550809?pfm=srh> – Core Switch (1 in ER)

<https://www.cdw.ca/product/cisco-catalyst-9300x-network-advantage-switch-24-ports-managed-ra/6550809?pfm=srh> – Distribution Switches

<https://www.cdw.ca/product/cisco-business-350-series-cbs350-8fp-e-2g-switch-8-ports-managed-ra/6339286?pfm=srh> - Wireless Switches (5, 1 per floor)

<https://www.cdw.ca/product/cisco-business-350-series-cbs350-24fp-4x-switch-24-ports-managed-ra/6309673?pfm=srh> – 24 port access switch

<https://www.cdw.ca/product/cisco-business-350-series-cbs350-48fp-4x-switch-48-ports-managed-ra/6309668?pfm=srh> – 48 Port Access Switch

<https://www.cdw.ca/product/cisco-sfp-transceiver-module-10gbe/3639620?pfm=srh> – Access SFPs (26, between Access and Distribution, 4 Connecting Firewall and WLC to Core Switch, 16, Core to Distribution)

<https://www.cdw.ca/product/cisco-firepower-3140-next-generation-firewall-firewall/7310376?pfm=srh> - Firewall

<https://www.cdw.ca/product/cisco-catalyst-9120axi-wireless-access-point-bluetooth-wi-fi-6/6168768?pfm=srh> – Access Points x 5

<https://www.cdw.ca/product/cisco-catalyst-9800-wireless-controller-network-management-device-wi-fi/5458667?pfm=srh> – WLC x 1 before Core

<https://www.cdw.ca/product/cisco-sfp-copper-twinax-cable-direct-attach-cable-3-m/1783865?pfm=srh>  – DAC (From Distribution to Access switches in TR on 2 floor, 3 total)

<https://www.infinitecables.com/products/48-port-cat6-patch-panel-19-rackmount-2u-pass-through?_pos=17&_sid=6e5a05e5f&_ss=r> - 48 Port patch Panel (10, 1 per TR)

<https://www.infinitecables.com/products/24-port-cat6-patch-panel-19-rackmount-1u-pass-through?_pos=10&_sid=d573be38f&_ss=r> – 3rd Floor Distribution 1 Needs a second CAT6 patch Panel

<https://www.infinitecables.com/products/loaded-lgx-adapter-panel-with-6x-duplex-lc-pc-multimode-black> - 6x Duplex LC Adapter ( For access closets to Dist)

<https://www.infinitecables.com/products/loaded-lgx-adapter-panel-with-12x-duplex-lc-pc-multimode-black> - 12X Duplex LC Adapter ( For ER to Distribution)

<https://www.infinitecables.com/products/2u-lgx-style-sliding-panel-holds-6-cassettes-panels-black?_pos=10&_sid=5cbec3544&_ss=r> – 2 at Distribution Switch

<https://www.infinitecables.com/products/1u-19-rackmount-fdu-with-slide-out-holds-2-panels-black?_pos=6&_sid=5cbec3544&_ss=r> – 1 Per TR with Only Access Switches

<https://www.cdw.ca/product/tripp-lite-12u-wall-mount-rack-enclosure-cabinet-w-door-side-panels/2882188?pfm=srh>  – Racks (11, 1 per TR and ER)

<https://www.infinitecables.com/products/3m-lc-pc-multimode-simplex-50-micron-om4-900um-pigtail-12-pack-color-coded?_pos=3&_sid=97107bbda&_ss=r> - Fiber Pigtails (7 sets)

<https://www.infinitecables.com/products/om4-multimode-duplex-lc-lc-50-micron-fiber-optic-patch-cable-2mm-jacket-lszh-ofnr?variant=44303535603953> – Fiber Patch Cable (.5 M, order as many as there are SFPs)

<https://www.infinitecables.com/products/rj45-cat6-utp-ultra-thin-patch-cable-premium-fluke-patch-cable-certified-cmr-riser-rated-blue?variant=43631288385777> - cat6 patch cable (6inch) (half this length) (Half total node amount)

<https://www.infinitecables.com/products/rj45-cat6-utp-ultra-thin-patch-cable-premium-fluke-patch-cable-certified-cmr-riser-rated-blue?variant=43631288418545> - Cat6 Patch Cable (1 foot) (half this length) (Half total node amount)

<https://www.infinitecables.com/products/rj45-cat6-utp-ultra-thin-patch-cable-premium-fluke-patch-cable-certified-cmr-riser-rated-blue?variant=43631288549617> - patch cable (Node Total)

<https://www.infinitecables.com/products/6-fiber-50-micron-multimode-om4-indoor-aqua-corning-clearcurve-ofnp-plenum-per-meter?variant=43854227505393> –  MM Fiber (12 Strand Between Floors, 24 Strand from ER to TR closet with Distribution Switch)

<https://www.infinitecables.com/products/1000ft-4-pair-cat6-solid-u-utp-550mhz-23awg-cmp-plenum-bulk-cable?_pos=1&_sid=5f2f0f9b7&_ss=r> – CAT6

<https://www.infinitecables.com/products/rj45-cat6-slim-profile-180-degree-jack-110-punch-down?variant=42826941038833> – Jacks (total nodes \* 2)