SCOPE OF WORK AND SPECIFICATIONS

WIRED AND WIRELESS NETWORK INFRASTRUCTURE EQUIPMENT AND INSTALLATION

PART 1 - GENERAL

Conroe Independent School District (the "District") is accepting proposals from vendors ("Bidders") for wired and wireless network equipment, installation, and configuration services to be performed at:

Armstrong ES
110 Gladstell Street
Conroe, TX 77301

Austin ES
14796 Highway 105 East
Conroe, TX 77306

Bush ES
7420 Crownridge Drive
The Woodlands, TX 77382

Gordon Reed ES
2045 McCaleb Road
Montgomery, TX 77316

Hope ES
14755 Granger Pines Way
Conroe, TX 77302

Lamar ES
1300 Many Pines
The Woodlands, TX 77380

Mitchell IS
6800 Alden Bridge Drive
The Woodlands, TX 77382

Powell ES
7332 Cochran's Crossing Drive
The Woodlands, TX 77381

Ride ES
4920 West Panther Creek Drive
The Woodlands, TX 77381

Stockton JHS
2750 Excellence Ave.
Conroe, TX 77301

Tough ES
11660 Crane Brook Drive
The Woodlands, TX 77382

Vogel IS
27125 Geffert Wright Rd.
Spring, TX 77386

Veterans Memorial IS
13475 FM 1485
Conroe, TX 77306

All onsite work is to be accomplished between the dates of May 31, 2027 and June 1, 2028 (with all sites being substantially complete by August 3, 2027). While many of the goods and services described in this Competitive Sealed Proposal (CSP) will be acquired under Erate program rules, some goods and services listed herein will not and thus are not listed on the corresponding Form 470. Please review all products and services requested herein to provide a complete proposal. Products and services that will be acquired outside Erate program rules are marked as "**non-Erate**".

1.1 DESCRIPTION

A. For all network equipment shown, Bidder shall provide the following:

1. At the MDF and IDF locations, Bidder shall provide, install, and configure network equipment as indicated in this document.
2. Mount and configure all wireless access points and related mounting hardware at designated locations.
3. Bidder shall configure all network equipment as per District standards. Prior to any configuration of equipment, Bidder shall meet with the District and review all campus configuration requirements for all equipment being installed. Bidder shall not deviate from any District directed requirements without prior approval.

B. Qualified Bidder shall provide and install all network communications equipment and related hardware as indicated in the provided drawings and specifications. Equipment will be detailed herein, and Bidder is required to configure all network and phone equipment listed in this document.

C. The selected Bidder will be required to conduct weekly project status meetings to review schedule progress and resolve outstanding issues.

E. Unless specifically stated otherwise, the selected Bidder is responsible for complete turn-key engineering, including the final configuration settings, of the new telecommunications and network system. Price must include a turn-key installation to the District.

F. For all requested cable runs and drops. All materials necessary to properly terminate runs and drops should be included in Bidder's response. This includes, but is not limited to, wall plates, patch panels, patch cords, fiber distribution units, conduits, etc.

H. It is important to realize that all costs associated with the implementation of the proposed system must be disclosed up front to the District with Bidder's proposal. This CSP is intended to provide a standard base from which to evaluate alternatives for network systems and to allow the Bidder flexibility in proposing the most appropriate and cost-effective system. All costs for proposal preparation are the responsibility of the Bidder.

I. The selected Bidder will deliver, install and configure all equipment between the dates of May 31, 2027 and June 1, 2028. All sites should be substantially complete by August 3, 2027. Bidder is expected to order, receive and pre-configure all equipment at its own facilities ahead of May 31, 2027 such that they can begin immediately on that date. Under no circumstances is any equipment to be delivered to the District before April 1, 2027 (per Erate program rules). Also, no invoice is to be received before July 1, 2027.

J. Selected Bidder will be required to participate in a site survey prior to the start of the project. Exact quantities for the equipment listed herein will be finalized at that time but are not expected to vary significantly from those shown in this document.

1.2 QUALITY ASSURANCE

A. Bidder shall be a certified factory authorized distributor and integrator of wired and wireless network systems and provide supporting documentation as such with their proposal. Proof of certification must be supplied with the proposal, including a manufacturer's contract that District may use to verify Bidder's relationship with the manufacturer.

B. Other supporting materials may be supplied as letters of recommendation from the manufacturer, a statement of the number of years supplying the product, size of inventory, test and training center support, etc. Bidder must carry the full line of the manufacturer's equipment and be able to directly supply all future hardware and software upgrades for the system proposed. Bidder must also answer the following questions:

    1. How long has Bidder been selling/servicing these products?
    2. Does the Bidder install the products proposed or use business partners? If business partners are utilized, specify who and provide their qualifications.
    3. Does the Bidder maintain a support call center for any potential future technical problems?
    4. Does the Bidder provide on-site assistance and/or technical support if required?
    5. Does the bidder maintain a web site for customers to access technical support and documentation?

C. Bidder should Include information on their company history including number of years in the Houston area, number of employees here locally, public or privately held company (if private, please provide names of the principals).

PART 2 - SUBMITTALS

A. Bidder **MUST** provide all pricing on the provided Excel spreadsheet to be considered for evaluation. This Excel spreadsheet must be submitted as part of the proposal. It must be editable and without any passwords or restrictions. Downloads from proprietary systems will not be accepted.

B. Bidder must furnish any special power or grounding requirements for equipment being proposed.

C. A master project schedule must be included, along with a work responsibility matrix, identifying the tasks the Bidder will perform and the tasks that the District is expected to perform to successfully install equipment.

D. The Bidder should include a project organizational chart with the reporting relationships of project team members and other key personnel. An escalation matrix shall also be included.

E. Bidder should include relevant certifications of network engineers that are to be assigned to the project.

PART 3 - EQUIPMENT & SERVICES

Brand names and model numbers used in this document do denote a preference for the District based on previous experiences; however, they are not intended to restrict other considerations. If other brands or models are presented, the District requires them to be 'equal to or better than' the referenced brand/model in quality, availability, and performance. Following a review, the District's decision will be final. It is required that all brands offered be identified in the bid and current specifications be provided with the bid.

The model numbers and/or SKUs referenced below are meant to describe the equipment needed to successfully complete the project. Bidders are encouraged to research any special offers, bundles, or educational SKUs offered by their respective equipment manufacturers in order to provide cost savings to the District. Any special offer, bundle, or SKU submitted should provide the same elements as requested herein. Again, the District's assessment on if the special offer, bundle, or SKU meets these requirements will be final.

**** Please consider products and services that are more or less in quantity, better, and/or more cost effective than those specified herein when submitting ****

Unless stated otherwise, Bidders should include 7 years of support by default (or as close to 7 years as provided for by the original equipment manufacturer).

3.1 Armstrong ES

- **MDF**
  - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
    - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
    - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
    - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
    - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
    - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
  - 3 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable

        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **B17-IDF**
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 5 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS

        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)

    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Safety Monitor **(non-Erate)**
    - 4 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF - Annex**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 1 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-1000LVRT2UXLN UPS
- **Wi-Fi Replacements**
    - 65 x Cisco CW9176i Access Points

- 1 x Cisco CW9179F Access Point
  - With Oberon 1026-20168-C Enclosure
- 8 x Cisco 9124AXD Access Points 8 Mounted on
  - With AIR-MNT-ART1=
  - With C9124-CVR1=

3.2 Austin ES

- **MDF**
  - For existing 9410 chassis
    - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
    - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
  - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
    - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
    - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
    - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
    - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
    - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
    - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
  - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
    - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
    - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**

        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P

        - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **IDF 516 - Front Office**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 5 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 1 x Vertiv/Geist 2XPRC060-153L20TL6, 30A, 208V, 4.9kW, L6-30P **(non-Erate)**
    - 1 x Vertiv 4UTELECOMRKIT shelf for two post rack **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P

        - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **IDF 429**
    - 1 x C9410R, Cisco Catalyst 9400 Series switch (10-slot chassis)
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
        - 7 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
        - 4 x C9400-PWR-2100AC, Cisco Catalyst 9400 Series 2100W AC Power Supply
        - 4 x CAB-L620P-C19-US, Locking NEMA Cord for 2100WAC Power Supply
        - 1 x C9400-DNA-A Cisco 9400 DNA Advantage
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable

        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 350 x 7ft Cat-6 patch cables
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 1 x Vertiv/Geist 2XPRC060-153L20TL6, 30A, 208V, 4.9kW, L6-30P **(non-Erate)**
    - 1 x Vertiv 4UTELECOMRKIT shelf for two post rack **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF A12**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable

        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **Wi-Fi Replacements**
    - 97 x Cisco CW9176i Access Points
    - 7 x Oberon 1006-CW9176 90 Degree Mounts
    - 2 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure
- **Wi-Fi Additions**
    - 6 x Cat-6 cable runs
    - 6 x Cisco Wireless DNA Essentials license, 7-year
    - 3 x Cisco CW9176i Access Points
    - 2 x Oberon 1006-CW9176 90 Degree Mounts
    - 3 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1=
        - With C9124-CVR1=

3.3 Bush ES

- **MDF**
    - For existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**

        - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module

        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **Wi-Fi Replacements**
    - 65 x Cisco CW9176i Access Points
    - 4 x Oberon 1006-CW9176 90 Degree Mounts
    - 6 x Cisco 9124AXD Access Points 8 Mounted on
        - With AIR-MNT-ART1=
        - With C9124-CVR1=
    - 1 x Cisco 9124AXI Access Points 8 Mounted on
        - With AIR-MNT-HORZ1=

3.4 Gordon Reed ES

- **MDF**
    - For 1st existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - For 2nd existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router

        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
    - 2 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF - Front Office**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module

        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 401**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**

        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 3 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 506**
    - 1 x C9410R, Cisco Catalyst 9400 Series switch (10-slot chassis)
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
        - 4 x C9400-PWR-2100AC, Cisco Catalyst 9400 Series 2100W AC Power Supply
        - 4 x CAB-L620P-C19-US, Locking NEMA Cord for 2100WAC Power Supply
        - 1 x C9400-DNA-A Cisco 9400 DNA Advantage
    - 350 x 7ft Cat-6 patch cables
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**

- 1 x Vertiv/Geist 2XPRC060-153L20TL6, 30A, 208V, 4.9kW, L6-30P **(non-Erate)**
- 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
    - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **Wi-Fi 1st Floor Replacements**
    - 88 x Cisco CW9176i Access Points
    - 19 x Oberon 1006-CW9176 90 Degree Mounts
    - 2 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure

- **Wi-Fi 1st Floor Additions**
    - 4 x Cisco Wireless DNA Essentials license, 7-year
    - 4 x Cat-6 cable runs
    - 4 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount
        - With C9124-CVR1= Cover

- **Wi-Fi 2nd Floor Replacements**
    - 32 x Cisco CW9176i Access Points

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- **MDF**
    - For 1st existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
        - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
    - For 2nd existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module

- 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
  - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
  - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
  - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
  - 1 x C8300-RM-19-1R, Rack mount kit – 19" 1RU for Cisco 8300 Series
  - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
  - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
  - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
  - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
  - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
  - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
  - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
  - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
  - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
- 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
- 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- 2 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
  - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **IDF - Front Office**
  - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+

        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 401**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable

        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 3 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 20 x 7ft Cat-6 Patch Cables
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 506**
    - 1 x C9410R, Cisco Catalyst 9400 Series switch (10-slot chassis)
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 7 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
        - 4 x C9400-PWR-2100AC, Cisco Catalyst 9400 Series 2100W AC Power Supply

        - 4 x CAB-L620P-C19-US, Locking NEMA Cord for 2100WAC Power Supply
        - 1 x C9400-DNA-A Cisco 9400 DNA Advantage
    - 350 x 7ft Cat-6 patch cables
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 1 x Vertiv/Geist 2XPRC060-153L20TL6, 30A, 208V, 4.9kW, L6-30P **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **Wi-Fi 1st Floor Replacements**
    - 84 x Cisco CW9176i Access Points
    - 9 x Oberon 1006-CW9176 90 Degree Mounts
    - 2 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure
    - 6 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount
        - With C9124-CVR1= Cover
- **Wi-Fi 1st Floor Additions**
    - 4 x Cisco Wireless DNA Essentials license, 7-year
    - 4 x Cat-6 cable runs
    - 1 x Cisco CW9176i Access Points
    - 3 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount
        - With C9124-CVR1= Cover
- **Wi-Fi 2nd Floor Replacements**
    - 31 x Cisco CW9176i Access Points

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- **MDF**
    - For existing 9410 chassis

        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory

        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF 1 - Annex Electrical**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable

        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 4 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF 2 - Gym Mezzanine**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS

        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 3 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 3 - Cafe Electrical**
    - 1 x C9410R, Cisco Catalyst 9400 Series switch (10-slot chassis)
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
        - 4 x C9400-PWR-2100AC, Cisco Catalyst 9400 Series 2100W AC Power Supply
        - 4 x CAB-L620P-C19-US, Locking NEMA Cord for 2100WAC Power Supply
        - 1 x C9400-DNA-A Cisco 9400 DNA Advantage

- 300 x 7ft Cat-6 patch cables
- 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
- 1 x Vertiv/Geist 2XPRC060-153L20TL6, 30A, 208V, 4.9kW, L6-30P **(non-Erate)**
- 1 x LeGrand Ortronics 19-84-T2SDB Q-Series Standard EIA 2 Post Equipment Rack - 7'H, 45U, 3 in Channel Depth, Black **(non-Erate)**
- 1 x Vertiv 4UTELECOMRKIT shelf for two post rack **(non-Erate)**
- 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
    - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **Wi-Fi Replacements**
    - 69 x Cisco CW9176i Access Points
    - 2 x Oberon 1006-CW9176 90 Degree Mounts
    - 2 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure
    - 8 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount
        - With C9124-CVR1= Cover

3.7 Mitchell IS

- **MDF**
    - For existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series

        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF 1 - Cafe**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**

        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 2 - 2nd Floor Storage**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 3 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+

        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **Wi-Fi 1st Floor Replacements**
    - 70 x Cisco CW9176i Access Points
    - 12 x Oberon 1006-CW9176 90 Degree Mounts
    - 2 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure
    - 6 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount
        - With C9124-CVR1= Cover
- **Wi-Fi 2nd Floor Replacements**
    - 47 x Cisco CW9176i Access Points

3.8 Powell ES

- **MDF**
    - For existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+

        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**

        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **Wi-Fi Replacements**
    - 79 x Cisco CW9176i Access Point
    - 6 x Oberon 1006-CW9176 90 Degree Mounts
    - 1 x Cisco 9124AXI Access Point
        - With AIR-MNT-HORZ1= Mount

3.9 Ride ES

- **MDF**
    - For existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials

- 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
    - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
    - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
    - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
    - 1 x C8300-RM-19-1R, Rack mount kit – 19" 1RU for Cisco 8300 Series
    - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
    - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
    - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
    - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
    - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
    - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
    - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
    - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
    - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
- 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
- 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
    - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **Wi-Fi Replacements**
    - 70 x Cisco CW9176i Access Points
    - 4 x Oberon 1006-CW9176 90 Degree Mounts
    - 6 x Cisco 9124AXD Access Points 8 Mounted on

        - With AIR-MNT-ART1=
        - With C9124-CVR1=
    - 2 x Cisco 9124AXI Access Points 8 Mounted on
        - With AIR-MNT-HORZ1=

3.10 Stockton JHS

- **MDF**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x 8300-2N2S-6T, Cisco Catalyst C8300-2N2S-6T Router

        - 1 x CON-SNT-C8302S6T, SNTC-8X5XNBD Cisco Catalyst C8300
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - C-RFID-2R, RFID - 2RU for Cisco 8200/8300 Series
        - 1 x C8300-RM-19-2R, Rack mount kit – 19” 2RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x C8000-HSEC, U.S. Export Restriction Compliance license for C8000 series
        - 2 x C-SM-NIM-ADPT, Cisco Catalyst SM to NIM Module Adaptor
        - 2 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 2 x PWR-CC1-1000WAC-P, Cisco Catalyst Edge AC 1000WAC POE Power Supply
        - 2 x CAB-C15-AC, AC Power Cord (N. America), C15, NEMA-5-15P, 2.5m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **IDF 1A - Front Office**
  - For existing 9410 chassis
    - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
    - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
  - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
  - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
    - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF 1B - 1100-1123**
  - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
    - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
    - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
    - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
    - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
    - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
    - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
  - 5 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
    - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
    - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
    - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
    - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable

        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv 4UTELECOMRKIT shelf for two post rack **(non-Erate**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF 1C - Opposite 1149**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 5 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**

- 1 x Vertiv 4UTELECOMRKIT shelf for two post rack **(non-Erate)**
- 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
- 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
  - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **IDF 1D - Gym**
  - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
    - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
    - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
    - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
    - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
    - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
    - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
  - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
    - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
    - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
    - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
    - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
    - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
    - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
  - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
  - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
  - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS

- **IDF - Gym Storage**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 1E - Fine Arts 1200 Hall**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+

        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 1C - Cafe**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS

        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF 2B - 2128-2156**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 6 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM

        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv 4UTELECOMRKIT shelf for two post rack **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF 2A - 2101-2127**
    - For existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **Wi-Fi 1st Floor Replacements**
    - 110 x Cisco CW9176i Access Points
    - 21 x Oberon 1006-CW9176 90 Degree Mounts
    - 8 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure
    - 9 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount
        - With C9124-CVR1= Cover
- **Wi-Fi 1st Floor Additions**
    - 2 x Cisco Wireless DNA Essentials license, 7-year
    - 2 x Cat-6 cable runs
    - 2 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount

        - With C9124-CVR1= Cover

- **Wi-Fi 2nd Floor Replacements**
    - 54 x Cisco CW9176i Access Points
- **Wi-Fi 2nd Floor Additions**
    - 1 x Cisco Wireless DNA Essentials license, 7-year
    - 1 x Cat-6 cable runs
    - 1 x Cisco CW9176i Access Points

3.11 Tough ES

- **MDF**
    - For existing 9410 chassis
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS

        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)

- 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
- 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
    - With Vertiv VP0N3202 rPDU **(non-Erate)**

- **IDF - Front Office**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS

- **IDF - Cafe**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF - Hall Storage 216**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module

        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **Wi-Fi Replacements**
    - 114 x Cisco CW9176i Access Points
    - 12 x Oberon 1006-CW9176 90 Degree Mounts
    - 2 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure

3.12 Vogel IS

- **MDF**
    - For existing 9410 chassis

        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image

        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF - Front Office**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable

        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF - Cafe**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**

        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF - 406**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 3 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials

- 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
- 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
- 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS

- **Wi-Fi Replacements**
  - 118 x Cisco CW9176i Access Points
  - 15 x Oberon 1006-CW9176 90 Degree Mounts
  - 2 x Cisco CW9179F Access Points
    - With Oberon 1026-20168-C Enclosure
  - 12 x Cisco 9124AXD Access Points
    - With AIR-MNT-ART1= Mount
    - With C9124-CVR1= Cover

3.13 Veteran's Memorial IS

- **MDF**
  - For existing 9410 chassis
    - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
    - 1 x C9400X-SUP-2/2, Redundant Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD **(non-Erate)**
    - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
  - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
    - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
    - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
    - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
    - 1 x C8300-RM-19-1R, Rack mount kit – 19" 1RU for Cisco 8300 Series
    - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months

        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF - 604C**
    - 1 x C9410R, Cisco Catalyst 9400 Series switch (10-slot chassis)
        - 1 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD
        - 8 x C9400-LC-48HN, Cisco Catalyst 9400 Series 48-Port UPOE+ 100Mbps/1/2.5/5gb Multigigabit Module
        - 4 x C9400-PWR-2100AC, Cisco Catalyst 9400 Series 2100W AC Power Supply
        - 4 x CAB-L620P-C19-US, Locking NEMA Cord for 2100WAC Power Supply
        - 1 x C9400-DNA-A Cisco 9400 DNA Advantage

    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 400 x 7ft Cat-6 patch cables
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 1 x LeGrand Ortronics 19-84-T2SDB Q-Series Standard EIA 2 Post Equipment Rack - 7'H, 45U, 3 in Channel Depth, Black **(non-Erate)**
    - 1 x Vertiv 4UTELECOMRKIT shelf for two post rack **(non-Erate)**
    - 1 x Vertiv/Geist 2XPRC060-153L20TL6, 30A, 208V, 4.9kW, L6-30P **(non-Erate)**
    - 1 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
        - With Vertiv VP0N3202 rPDU **(non-Erate)**
- **IDF - Cafe**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS

        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 4 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **IDF - Gym**
    - 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
        - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable

        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 2 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
        - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
        - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
        - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
        - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
        - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
        - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
    - 1 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
    - 2 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
    - 1 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- **Wi-Fi Replacements**
    - 133 x Cisco CW9176i Access Points
    - 12 x Oberon 1006-CW9176 90 Degree Mounts
    - 4 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure
    - 9 x Cisco 9124AXD Access Points
        - With AIR-MNT-ART1= Mount
        - With C9124-CVR1= Cover
- **Wi-Fi Additions**
    - 4 x Cat-6 cable runs
    - 4 x Cisco Wireless DNA Essentials license, 7-year
    - 4 x Cisco CW9179F Access Points
        - With Oberon 1026-20168-C Enclosure

3.14 Additional Equipment (non-Erate)

- 10 x C9400X-SUP-2, Cisco Catalyst 9400 Series Supervisor 2 Module w/ 240GB SSD

- 1 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
  - 1 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module
  - 1 x STACK-T1A-1M, Cisco 1M Type 1 Stacking Cable
  - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
  - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
  - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
  - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
  - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
- 7 x C9350-48HX, Cisco C9350 48-Port 10G-mGig with 90W UPOE+
  - 1 x STACK-T1A-50CM, Cisco 50CM Type 1 Stacking Cable
  - 1 x PWR-C2-850WAC, 850W AC 80+ platinum Port-Inlet PS
  - 1 x PWR-C2-850WAC/2, 850W AC 80+platinum Port-Inlet Secondary Power Supply **(non-Erate)**
  - 1 x CAB-SPWR-35CM, Stack Power Cable 35 CM
  - 2 x CAB-TA-NA, Cisco North America AC Type A Power Cable
  - 1 x C9350-OS-ESS, Cisco C9350 OS Essentials
- 20 x C9350-NM-8Y, Cisco C9350 8 x 25G/10G/1G or 4x 50G SFP56 Network Module (spares)
- 10 x C9200CX-8UXG-2X-A, Catalyst 9000 Compact Switch 8 port UPoE with 4xmGig, 240W, A
  - 1 x C9200CX-DNA-A-8, C9200CX Cisco DNA Advantage, 8-port Term Licenses
  - 1 x CAB-TA-NA, North America AC Type A Power Cable

        - 1 x C9K-CMPCT-PWR-CLP, Power Retainer Clip for 9200CX Compact Switch
        - 1 x C9K-SD-1GB, 1GB SD Memory Card for 9200CX
        - 1 x CAB-CON-USBRJ45, Console Adapter – Micro USP to RJ45
    - 1 x C8300-1N1S-6T, Cisco Catalyst C8300-1N1S-6T Router
        - 1 x CON-SNT-C830IN6T, SNTC-8x5xNBD Cisco Catalyst C8300; 84 months
        - 1 x MEM-C8300-16GB, Cisco Catalyst 8300 Edge 16GB memory
        - 1 x M2USB-32G, M.2 USB 32GB for Cisco 8300/8400/8500L Series
        - 1 x C8300-RM-19-1R, Rack mount kit – 19” 1RU for Cisco 8300 Series
        - 1 x DNA-P-T0-A-7Y, Cisco DNA Advantage On-Prem Lic 7Y – up to 25M (Aggr, 50M); 84 months
        - 1 x SVS-PDNA-ADV, Cisco Support Standard – Tiered DNA Advantage On-Prem
        - 1 x IOSXE-AUTO-MODE-PF, IOS XE Autonomous for Unified image
        - 1 x NIM-2FXS/4FXOP, 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply
        - 1 x PWR-CC1-250WAC, Cisco C8300 1RU 250W AC Power Supply **(non-Erate)**
        - 2 x CAB-AC, AC Power Cord (N. America), C13, NEMA 5-15P, 2.1m
        - 1 x CAB-CONSOLE-RJ45, Console Cable 6ft with RJ45 and DB9F
        - 1 x CAB-USB-UB, USB Type A to USB Micro-B (2m)
    - 1 x AVTech Room Alert RA32S-RPD-RAS, Bundle **(non-Erate)**
    - 5 x AVTech Room Alert RA12S-SRM-RAS, Room Monitor **(non-Erate)**

- 10 x AVTech Room Alert RA3S-HSM-BAS, Heat Monitor **(non-Erate)**
- 100 x 25ft Cat-6 patch cables
- 100 x 10ft Cat-6 patch cables
- 50 x 10ft Cat-6 patch cables (green)
- 100 x 5ft Cat-6 patch cables
- 30 x 1m 50 µm LC to SC fiber patch cables
- 30 x 2m 50 µm LC to SC Fiber patch cables
- 30 x 3m 50 µm LC to SC Fiber patch cables
- 30 x 2m single mode LC to SC Fiber patch cables
- 60 x SFP-10G-SR modules with DOM
- 30 x SFP-10G-LR modules with DOM
- 20 x Vertiv/Geist BRCN100-1025, 120V, 20A, 120V, 1.9kW, 5-20P **(non-Erate)**
- 10 x Vertiv/Geist 2XPRC060-153L20TL6, 30A, 208V, 4.9kW, L6-30P **(non-Erate)**
- 2 x Vertiv GXT5LI-1000LVRT2UXLN UPS
- 10 x Vertiv GXT5LI-3000LVRT2UXLN UPS
- 2 x Vertiv GXT5LI-5000MVRT3UXLN, 5KVA, 208V UPS w/ L14-30P
    - With Vertiv VP0N3202 rPDU **(non-Erate)**
- 35 x Cisco Wireless DNA Essentials license, 7-year
- 30 x Cisco CW9176i Access Points
- 10 x Oberon 1006-CW9176 90 Degree Mounts
- 5 x Cisco CW9179F Access Points
    - With Oberon 1026-20168-C Enclosure
- 10 x Cisco 9124AXD Access Points
    - With C9124-CVR1= Cover

Additional Notes:

1. Bidder will configure the switches for data and voice VLANs where appropriate. For wireless devices, Bidder will configure connectivity with existing centralized Cisco/Aruba Wireless Controllers. Also, Bidder will coordinate with the District for configuring equipment for interfacing with other existing District systems where

applicable (e.g. mail servers, domain controllers, security servers, etc). Bidder will only configure interfaces to existing District systems and is not responsible for troubleshooting those systems. That will be the responsibility of the District.

2. “Replacement” wireless diagrams indicate that there is an existing access point at this location that is to be replaced with the model shown. The existing network drop in these instances may be reused along with any mounting brackets, covers, antennas, etc. that are already in place. If additional items are needed to properly install the new AP model then it is explicitly noted in this document and in the corresponding diagram. Additionally, in some instances, existing APs are to be removed though no direct replacement is specified. This is to ensure that interference does not take place due to close proximity of APs. These instances are so noted on the diagrams.
3. Unless stated otherwise, Bidders should include 7 years of annual technical and software support in their proposals or as close to that as offered by the original equipment manufacturer.
4. Evaluation Points are as follow:

EVALUATION POINTS

TEA Code	Evaluation Criteria	Points
1	Purchase price of eligible products and services	20
1	Purchase price of Total Project Cost;	15
2	Reputation of the Bidder or the Bidder’s goods or services;	10
3	Quality of the Bidder’s goods or services;	15
4	Extent to which goods or services meet the needs of the District;	15
5	Bidder’s past relationship with the District;	10
6	The impact on the ability of the District to comply with laws and rules relating to historically underutilized businesses;	0
7	Total long-term cost to the District to acquire the goods or services;	5
8	Bidder has its principal place of business in Texas; or employs at least 500 persons in Texas;	0
9	Warranty and service of bidder;	5

9	Bidder's ability to manage a turnkey project;	5