# STATEMENT OF WORK (SOW)

## Travis Dormitory Camera & Environmental Sensors Upgrade

## General Information

1. Description of Services/Introduction: The Contractor will remove and dispose of (416) existing surveillance cameras, associated camera surveillance system equipment and associated non-serviceable cabling over 18 buildings (1304, 1305, 1308, 1309, 1314, 1315, 1316, 1317, 1331, 1332, 1334, 1350, 1351, 1352, 1353, 1354, 1355 and 1356), and install a new NDAA/TAA compliant IP-based camera surveillance system and all associated equipment and peripherals for the previously mentioned buildings; a preferred brand is not required. This will require (630) new surveillance cameras ((214) in addition to the original (416)), (57) Exterior mounted and oriented cameras, (706) new environmental sensors, and new cabling and conduits. Review Technical Exhibit 2 for current equipment listing of what is currently installed at the Travis Air Force Base Dormitory Campus. All associated non-compliant items on equipment listing will be removed and replaced to meet compliance, as well as specifications stated in section 4.

2. Scope:

    - Professional Support Services
    - Project Management
    - Planning (survey, network design)
    - Equipment installation and set-up (staging, programming, testing)

3. GENERAL: Provide services for a full removal, disposal, and upgrade of the Travis Air Force Base (AFB) Dormitory camera surveillance system due to current system non-compliance with Section 889 of the John S. McCain National Defense Authorization Act of 2019 (NDAA), Prohibition on “Covered Telecommunications Equipment or Services” as defined at 48 C.F.R. par. 52.204-25(a).

    3.1. The contractor shall provide all personnel, equipment, supplies, facilities, storage, transportation, tools, material, supervision, and other items and non-personnel service necessary to complete this project.

    3.2. The Contractor shall install new compliant cameras sufficient to cover all areas listed in Exhibit 1. In addition, the Contractor will construct, provide, and install all support infrastructures by using CAT 6A cabling and including power/electrical outlets necessary to the successful installation and operation of the surveillance monitoring and recording equipment. A preferred cabling vendor is not required.

    3.3. Review Technical Exhibit 1 for dormitory layout, current camera position layout and tentatively proposed camera installment locations. The Contractor may recommend different camera positioning based upon new camera capabilities to ensure the best coverage for the dormitories and surrounding campus.

    3.4. The Contractor shall configure and adjust Field of Views (FOVs) for all cameras and shall provide two (2) separate Viewing Stations (requirements specified under

section 3.5) and three (3) necessary software to allow for optimal viewing/surveillance of the dormitory campus. The software must be accessible from the main Dormitory Management Office (building 1348), the 60 CES Information Technology (IT) Office (building 899) and the 60 CS Network Control Center (building 243).

3.5. ~~Two~~ (2) view stations, which shall located at main Dormitory Management Office (building 1348), the 60 CES Information Technology (IT) Office (building 899), with 2 large monitors attached to swivel monitor mounts per viewing station; specifications must be in compliance with NDAA (same as all other equipment). 85-inch flat panel monitors to support viewing stations rooms. Display type: LED or LED-backlit LCD flat panel, Resolution: Minimum 3840 X 2160 (4K Ultra HD), Aspect ratio 16:9 widescreen, Refresh rate: minimum 60 Hz. Brightness: minimum 350 nits, viewing angle: minimum 178 degrees horizontal and vertical, contrast ratio minimum 1200:1 or manufacturer equivalent, inputs: minimum 2 HDMI ports and 1 Display port or USB input, mounting capability, standard 110-120V AC, Energy STAR rated or equivalent efficiency standard.

3.6. The 60th Communications Squadron (CS) will need to review and approve all proposed equipment to be utilized in the project prior to purchase to ensure it meets Air Force compliance standards.

3.7. The Contractor shall properly remove and deliver of all previous and inoperable camera components, or other related systems and accessories to either the Defense Reutilization and Marketing Office (DRMO) or DLA Disposition services facility located at the following addresses:

DRMO
291 Hickam Ave,
Travis AFB, CA, 94535
(707) 424-0788

DLA Disposition Services Facility
25600 S. Chrisman Rd. Bldg 22
Tracy, CA 95304

3.8. ~~All~~ equipment that shall be turned into DLA will be packaged, sealed, on pallets, tied, and shrink wrapped prior to delivery. Each pallet will have a DD Form 1348-1A (provided by Dorm Management) attached prior to delivery, to serve as a receipt of delivery to DLA. There will be no loading dock on the dormitory campus, and it is the contractor's responsibility to load each pallet.

3.9. The Contractor shall be responsible for removing all packaging material, trash, and debris caused as a result of the installation.

3.10. Upon completion of project, the Contractor shall provide system training to the Dormitory Management Staff, the 60 CES ITEC personnel and the 60 CS. Upon completion of training, trained personnel shall, at a minimum, be able to demonstrate their ability to operate as required without Contractor's assistance.

3.11. Existing conduit pathways may be utilized where verified to be serviceable and compliant with project requirements, including confirmation that no prohibited or

non-compliant components are present. Existing cabling may consist of CAT6; however, all new cabling installed under this project will be CAT6A. Due to the larger diameter and conduit fill requirements of CAT6A cables, existing conduits shall be evaluated for adequate capacity, as some pathways may be too congested to accommodate the new cable quantities. Where existing conduit is undersized, inaccessible, or otherwise unsuitable, new or replacement conduit, including surface-mounted conduit or raceway where in-wall pathways cannot be modified, shall be provided as required. There are no restrictions on drilling/penetrations for new conduits in dorm walls. New conduits installed must be painted to match the buildings' existing color.

3.12. Post installation service response time will match what is in the standard warranty.

3.13. Conduit will be painted to match color of building.

3.14. CAT 6A cabling and outlets must be used for camera system.

3.15. Height of the cameras to be at the height necessary to provide optimal viewing/surveillance of the intended Field of View (FOV).

3.16. IDFs for buildings 1304, 1305, 1308, 1309, 1334, 1350, 1351, 1352, 1353, 1354, 1355, and 1356 are located on the 2nd floor of each building IDFs for buildings 1331 and 1332 will be located on the 1st, 2nd, and 3rd floors. All IDFs for buildings 1314, 1315, and 1316 are located inside building 1317.

3.17. For outdoor cameras (parking lots, yards, etc.) they will be elevated on the second and third floor at standard mounting height.

4. Camera System Specifications:

4.1. The contractor shall meet or exceed the following equipment specifications also provide all additional equipment and parts needed.

- Cameras must have all-weather capability to withstand local temperature. All cameras shall have a combination of day/night and low light (non-thermal) capabilities. In addition, the cameras shall, at a minimum, start recording upon detection of any motion.

- All cameras should be FIPS 140-2 (adn 140-3 with 140-2 becomes EOL) rated.

- Insert FEDRAMP information as appropriate here

    - The proposed video surveillance solution shall consist of a cloud-managed, enterprise-grade IP camera system utilizing a FedRAMP Ready cloud platform for centralized video management, administration, monitoring, and secure remote access.

    - All cameras shall be native IP devices operating under a cloud-based Video Management System (VMS) with centralized configuration, health monitoring, firmware management, user access control, and video retrieval performed through a secure FedRAMP-Ready cloud environment. The system shall not require traditional on premises recording servers for standard operation and shall support encrypted communications between edge devices and the cloud management platform. VMS must record at a minimum of 24 frames.

- Connecting hardware shall be rated for operation under ambient conditions of 32 to 140 degrees F and in the range of 0 to 95 percent relative humidity, noncondensing.

- VMS must be capable of retaining video for 90 days and record at24a minimum of frames per second with a compressed video file, with viewing and recording time lapses and event recording based on human movement at 4K image resolutions (3840x2160).

- The video surveillance system shall utilize a FedRAMP Ready cloud-based centralized management VMS with video recording performed locally at the camera edge. All cameras shall include onboard storage capable of retaining a minimum of ninety (90) days of recorded video at the edge, with no video recording permitted in the cloud. The system shall provide administrative capability to disable or unselect any cloud recording features to ensure footage remains locally stored and secured.

- External cameras shall support a minimum resolution of 4K (3840 × 2160), and internal cameras shall support a minimum resolution of 5 MP (2592 × 1944), with support for continuous and event-based recording at a minimum of 24 frames per second.

- The system shall provide secure remote viewing access for authorized users through a FedRAMP Authorized cloud-managed platform, enabling live and recorded video access from approved mobile devices and remote client endpoints. Remote access shall be governed by role-based user permissions, multi-factor authentication, and encrypted communications to ensure secure transmission of video data. The solution shall allow privileged users to safely view assigned cameras without requiring direct exposure of the local network, while maintaining compliance with federal cybersecurity and FedRAMP authorization requirements.

- The system shall provide a FedRAMP Authorized cloud-managed, TAA-compliant client viewing workstation designed for continuous security monitoring operations. The viewing station shall support local client application–based video monitoring over the lproocal area network (LAN), eliminating dependency on web-based video streaming for routine monitoring functions. The solution shall support display of a minimum of sixteen (16) cameras per monitor, with capability to support no fewer than three (3) dedicated monitoring stations/monitors for simultaneous viewing of high-priority cameras. Video transmission between cameras and monitoring stations shall prioritize local network video transfer while maintaining centralized cloud-based system management and authentication.

- Each building and associated IDF supporting existing and newly installed surveillance cameras shall be provided with new TAA-compliant UPS battery backup systems properly sized to support both installed and newly deployed PoE network switches, connected camera infrastructure, and new environmental monitoring sensors. UPS systems shall provide a minimum of four hours of backup runtime for surveillance operations and shall consist of new equipment, not reused from any existing system.

- The Contractor shall utilize existing PoE network switches where serviceable to support both existing and newly installed surveillance devices. Where required to maintain system functionality or capacity, including but not limited to Buildings 1331 and 1332, or where additional ports are necessary to support new environmental monitoring sensors, the Contractor shall provide Cisco Catalyst 9300 Series 48-port PoE+ switches with Network Advantage licensing and required support services, or approved equal, compliant with TAA

requirements. The Contractor shall coordinate with 60 CS to verify compatibility, capacity, licensing, and configuration requirements of the existing network environment prior to procurement and installation.

- The Contractor (Prime or Subcontractor) shall maintain qualified network engineering personnel capable of enterprise switch deployment, configuration, and integration within an operational government network environment and shall have at least one Cisco Certified Internetwork Expert (CCIE) on staff. Installation and configuration activities shall be performed by certified personnel with Cisco Certified Network Associate (CCNA) level or higher credentials, with CCIE-level engineering support available for system design, validation, and escalation. All PoE switches shall be delivered to the 60 CS for configuration and deployment. Prime or subcontractor will not configure the switch.

- The Contractor shall provide and ensure that all installed environmental sensors, and camera system components (including cameras, mounts, cabling, nNVRs, ervers, and associated infrastructure) are covered by a manufactures standard warranty of not less than five (5) years from the date of final system acceptance by the Government.

4.2 Environmental Sensors:

- Must be capable of detecting a variety of air quality metrics, including but not limited to, Volatile Organic Compounds (VOCs), particulate matter (PM2.5), temperature, and humidity.:
- Must feature Federal Information Processing Standards (FIPS) validated cryptography for data in transit and at rest.
- Must support real-time, configurable alerts delivered via email, SMS, or a mobile application.
- Must include unlimited, non-tiered cloud archiving for all historical sensor data (e.g., VOC, PM2.5, temperature readings) for the entire duration of the license term, without additional storage costs.
- The contractor shall provide System Management Licenses for each camera and environmental sensor.
- Ability to select A 1,3,5, or 10-year cloud-based management license for each environmental sensor and camera.
- Licenses must provide full device functionality, unlimited cloud-based data retention for sensor readings, at least 90 days of cloud-based video backup, and centralized management through a single web-based dashboard.

5. Recognized Holidays: The contractor will not perform any services on the following Holidays, or the accompanying Air Mobility Command Family Days listed below:

| | |
|---|---|
| New Year's Day | Labor Day |
| Martin Luther King Jr.'s Birthday | Columbus Day |
| President's Day | Veteran's Day |
| Memorial Day | Thanksgiving Day |
| Juneteenth | Christmas Day |
| Independence Day | |

6. Hours of Operation: The contractor is responsible for conducting business between the hours of 0730-1600 Monday thru Friday except Federal holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. Military exercises, inclement conditions caused by Mother Earth, civil unrest resulting in base closure, etc. are considered inherent government delays. The Contractor will be notified as soon as possible if any delays are anticipated.

   6.1. For other than firm fixed price contracts, the contractor will not be reimbursed when the government facility is closed for the above reasons. The Contractor must always maintain an adequate workforce for the uninterrupted performance of all tasks defined within this SOW when the Government facility is not closed for the above reasons. When hiring personnel, the Contractor shall keep in mind that the stability and continuity of the workforce are essential.

7. Place of Performance: The work to be performed under this contract will be performed at the Travis AFB Dormitory Campus, 60 CES IT office (building 899) and the 60th Communications Squadron (building 243).

8. Key Personnel: The contractor shall provide a contract manager who shall be responsible for the performance of the work. The name of this person and an alternate who shall act for the contractor when the manager is absent shall be designated in writing to the contracting officer. The contract manager or alternate shall have full authority to act for the contractor on all contract matters relating to daily operation of this contract.

9. Post Award Conference/Periodic Progress Meetings: Progress meetings will occur with the contract manager and/or alternate at a minimum of once a month with a minimum of one hour OR on an as needed basis. Meetings are to discuss progress, conflicts, recommendations, etc.

10. PHASE IN /PHASE OUT PERIOD: Dorm Management will determine the order in which buildings the installation/removal will occur. Installation/removal will occur by building based on the availability of funds.

# TECHNICAL EXHIBIT LISTING

11. TECHNICAL EXHIBIT LIST:

11.1. Technical Exhibit 1 – Travis Dormitory Campus Layout (Campus Map, Exterior Field of Vision/Coverage Required and Current/Proposed Camera Layout). NOTE: As-built drawings will be made available to the offeror.

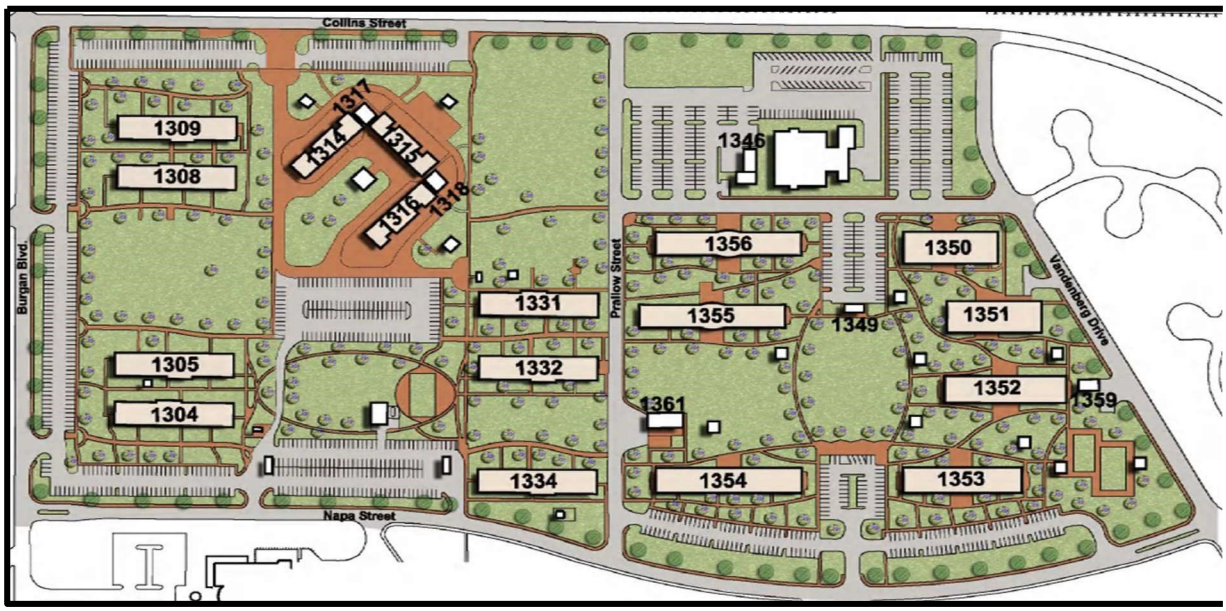
11.2. Technical Exhibit 2 – Current equipment List

11.3. Technical Exhibit 3 – Deliverables Schedule

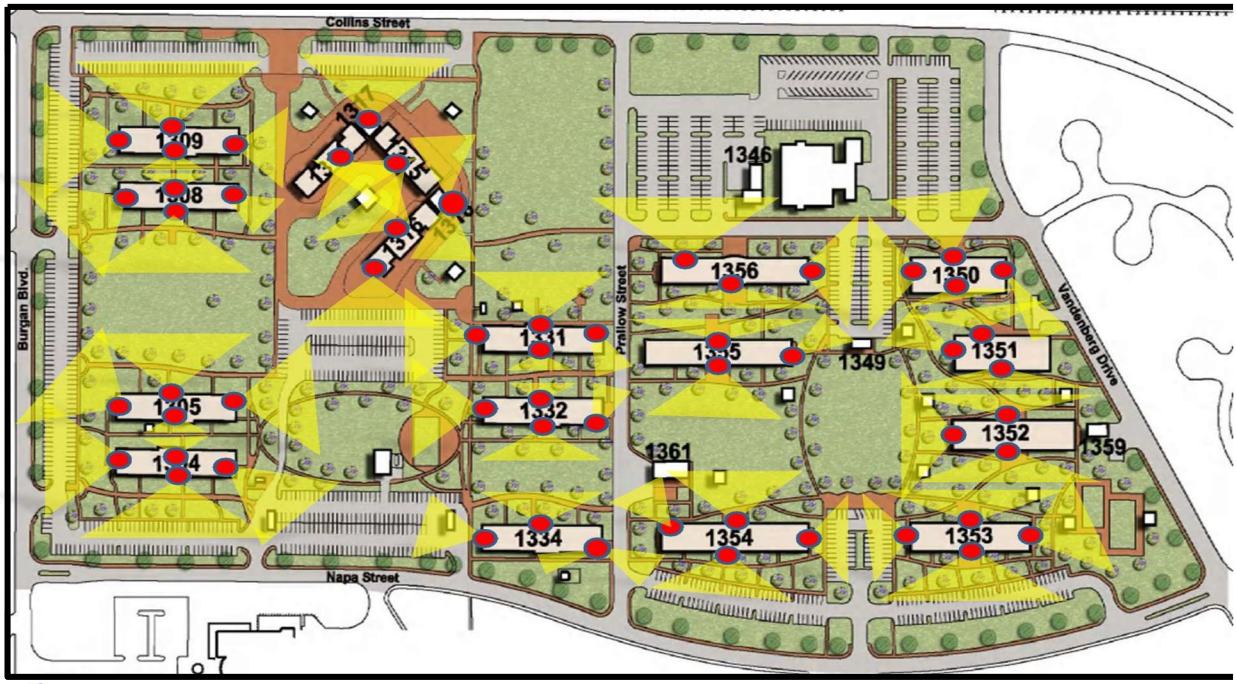
# TECHNICAL EXHIBIT 1

## Travis Dormitory Campus Layout

Campus Map -



Exterior Field of Vision/Coverage Required -




= Proposed New External Camera
= Field of Vision Requested

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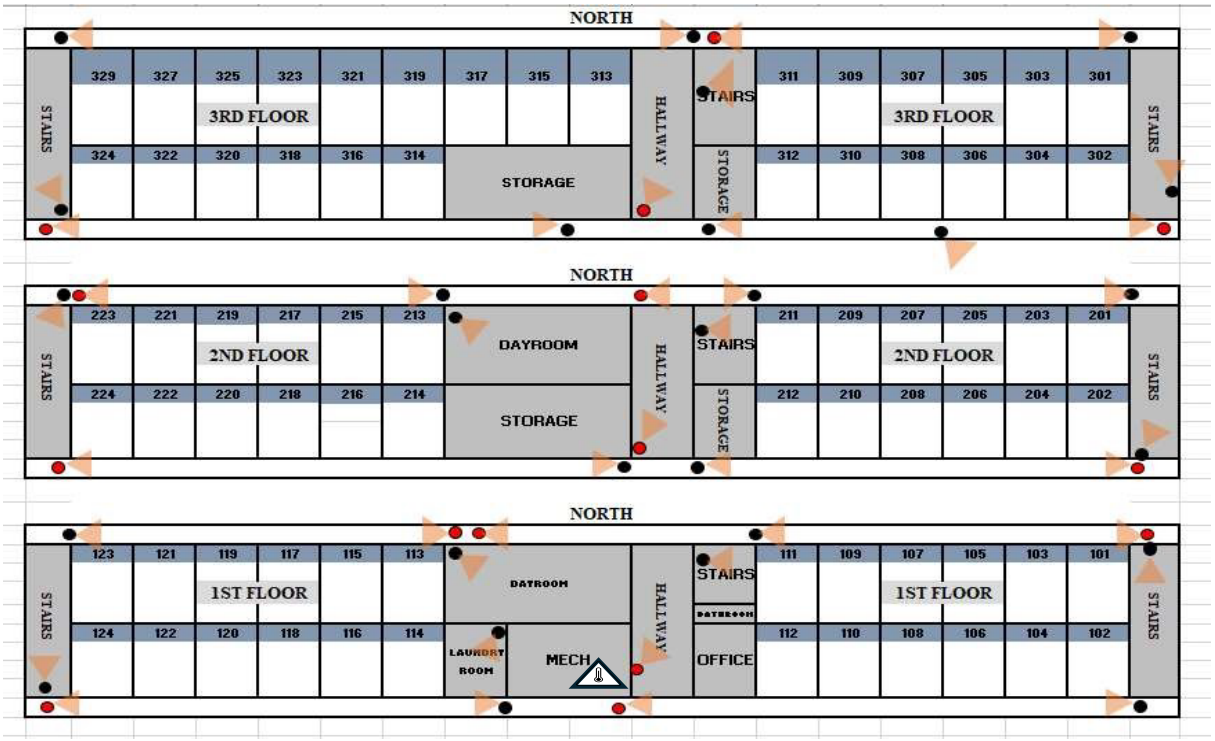
## Building 1304 - Current/Proposed Camera Layout




Existing Camera = 27
Proposed Additional New Camera = 15
Field of View Direction

Environmental Sensor = 40 (Bathrooms & Mech Rooms)

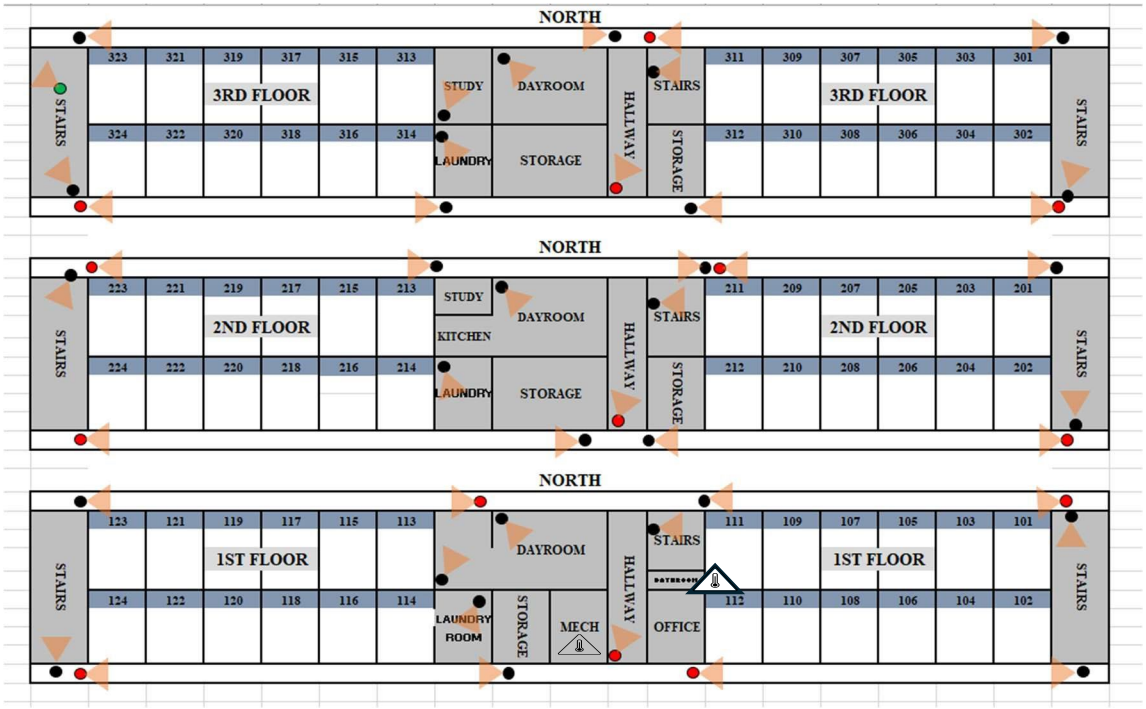
## Building 1305 - Current/Proposed Camera Layout

Existing Camera = 32
Proposed Additional New Camera = 15
Field of View Direction

Environmental Sensor = 38 (Bathrooms & Mech Rooms)

Version: 27 April 2026

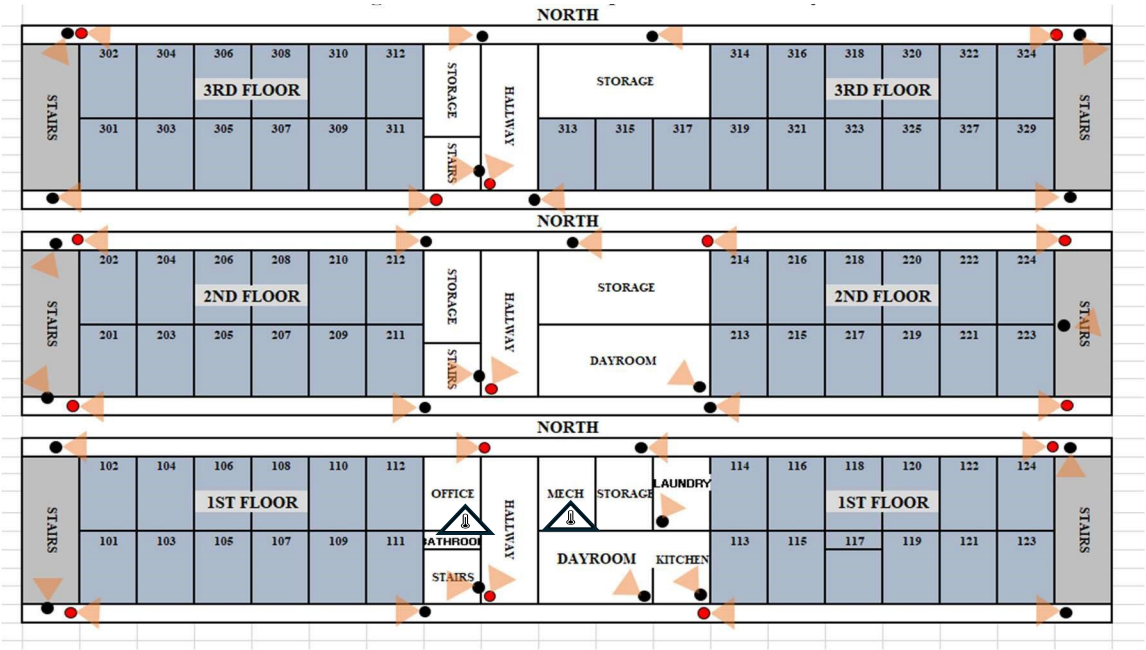
## Building 1308 - Current/Proposed Camera Layout




Existing Camera = 32
Proposed Additional New Camera = 13
Field of View Direction

Environmental Sensor = 38 (Bathrooms & Mech Rooms)

## Building 1309 - Current/Proposed Camera Layout




Existing Camera = 27
Proposed Additional New Camera = 15
Field of View Direction

Environmental Sensor = 40 (Bathrooms & Mech Rooms)

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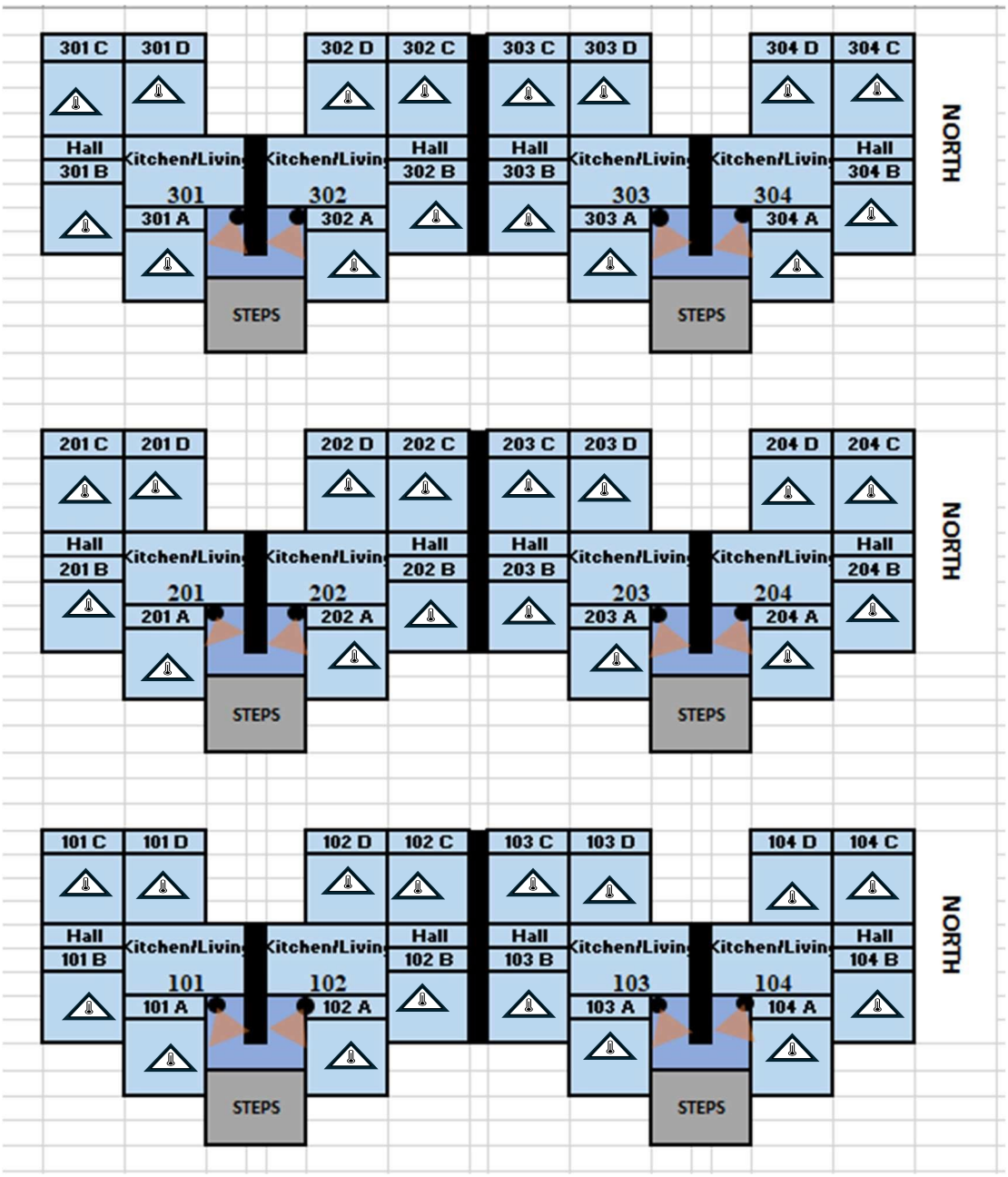
Building 1314 - Current/Proposed Camera Layout

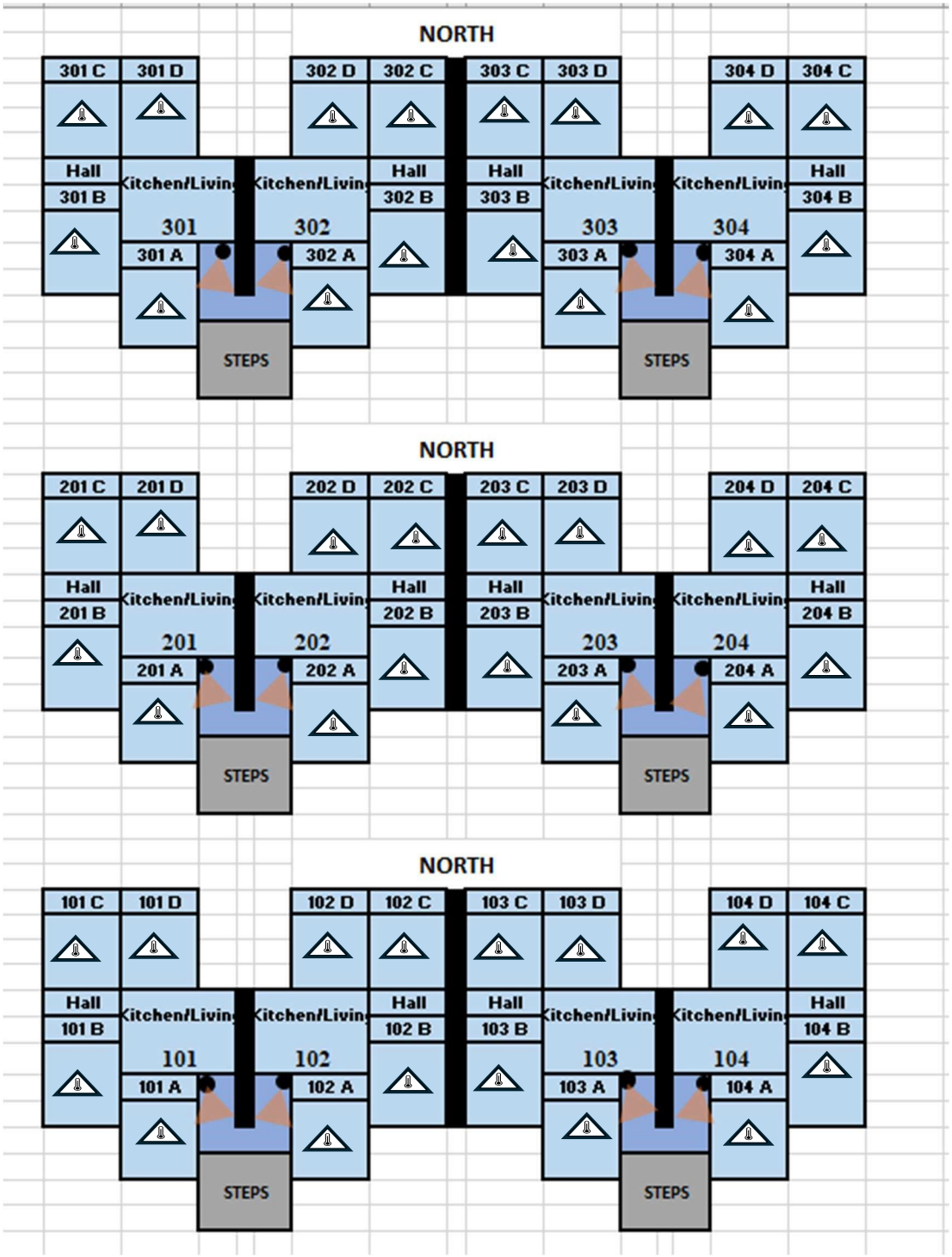



Existing Camera = 12
Proposed Additional New Camera = 0
Field of View Direction

Environmental Sensor = 48 (Bathrooms)

Version: 27 April 2026

Building 1315 - Current/Proposed Camera Layout

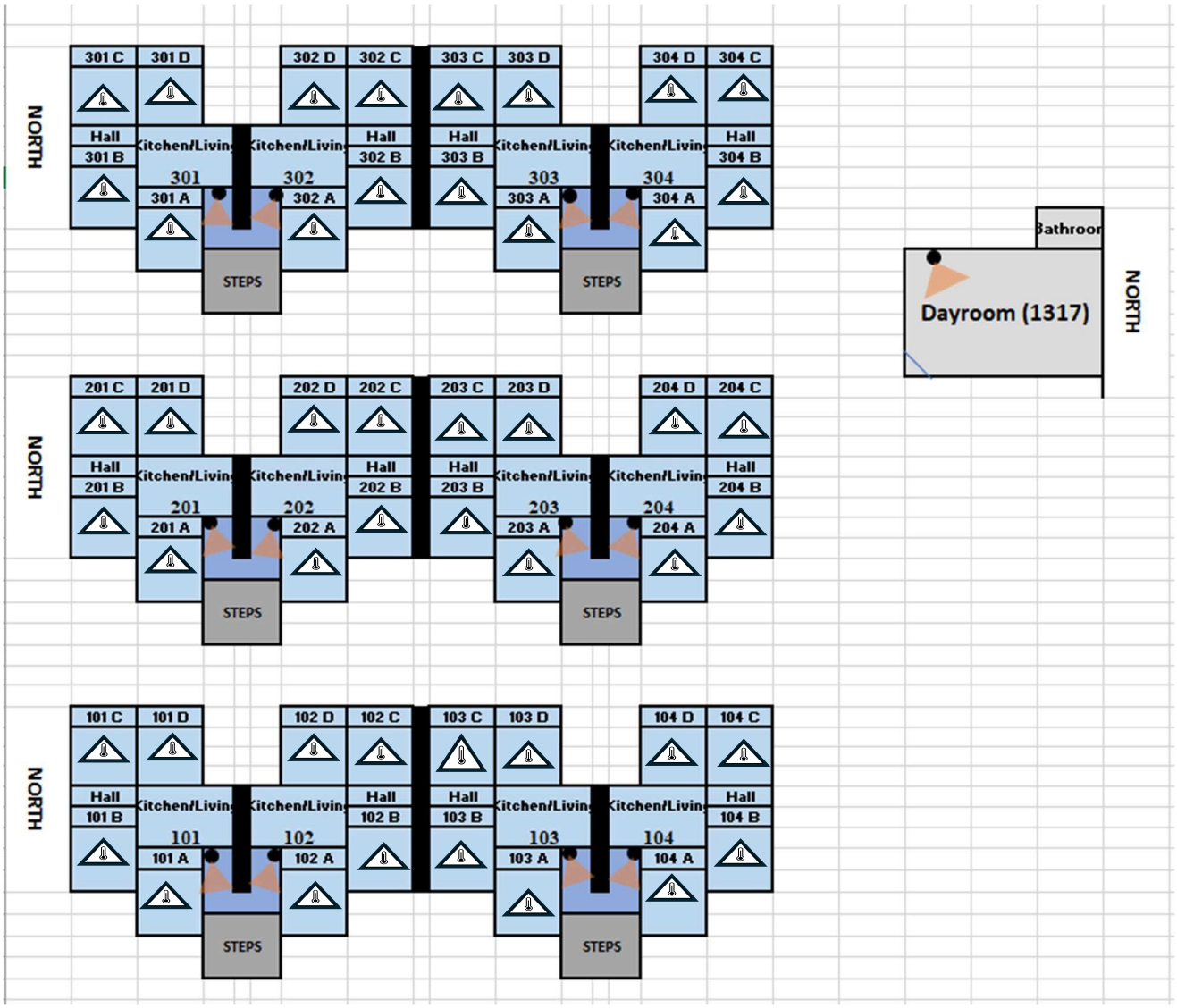



Existing Camera = 12
Proposed Additional New Camera = 0
Field of View Direction

Environmental Sensor = 48 (Bathrooms)

Version: 27 April 2026

Building 1316 & 1317 - Current/Proposed Camera Layout




Existing Camera = 13
Proposed Additional New Camera = 0
Field of View Direction

Environmental Sensor = 48 (Bathrooms)

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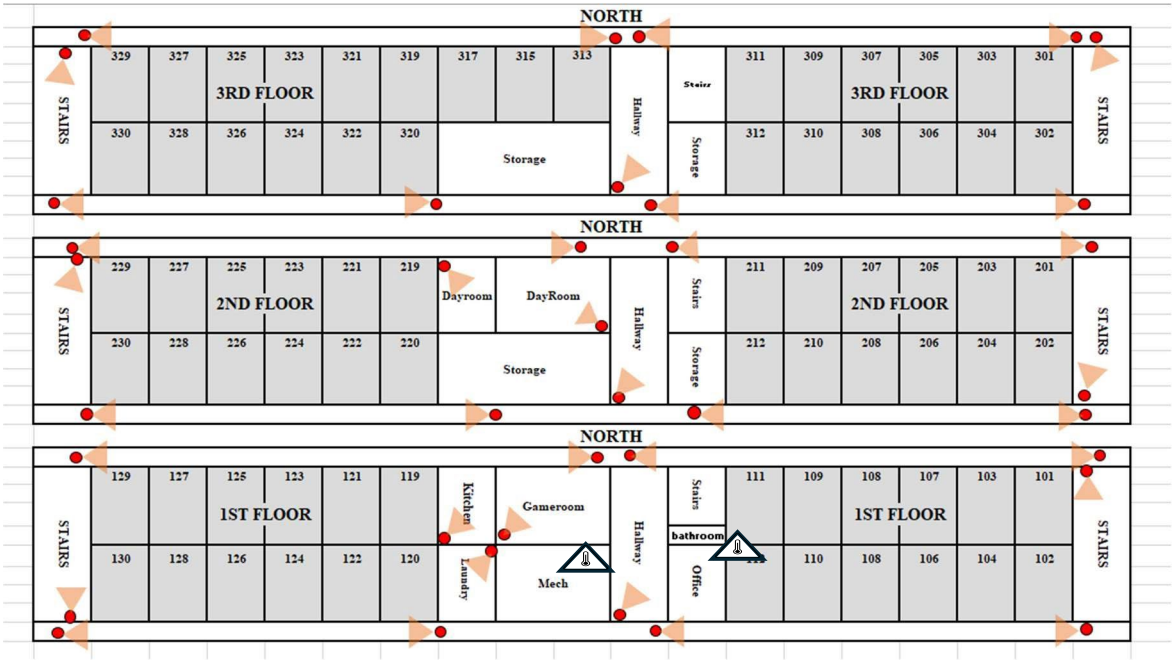
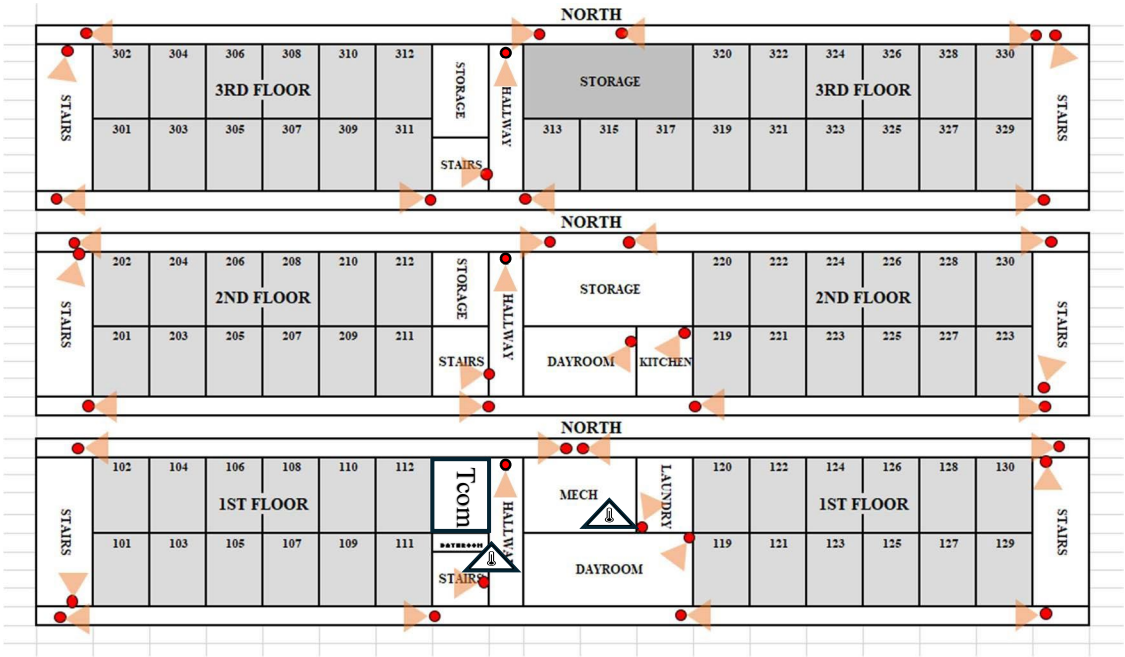
## Building 1331 - Current/Proposed Camera Layout




Existing Camera = 0
Proposed Additional New Camera = 38
Field of View Direction

Environmental Sensor = 39 (Bathrooms & Mech Rooms)

## Building 1332 - Current/Proposed Camera Layout




Existing Camera = 0
Proposed Additional New Camera = 37
Field of View Direction

Environmental Sensor = 39 (Bathrooms & Mech Rooms)

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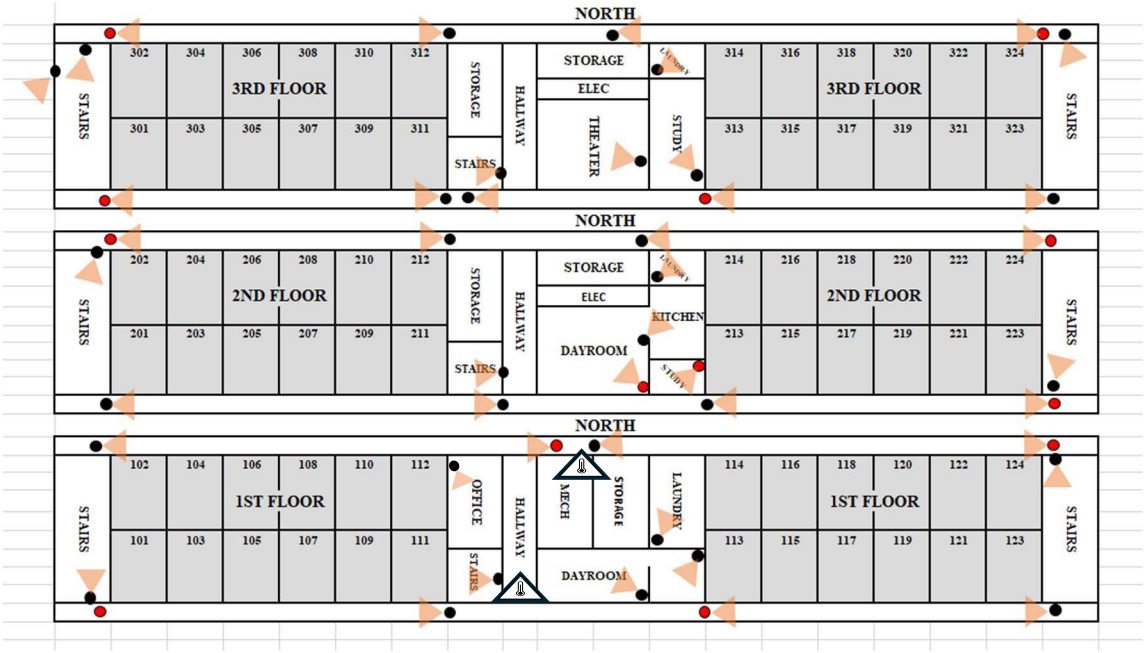
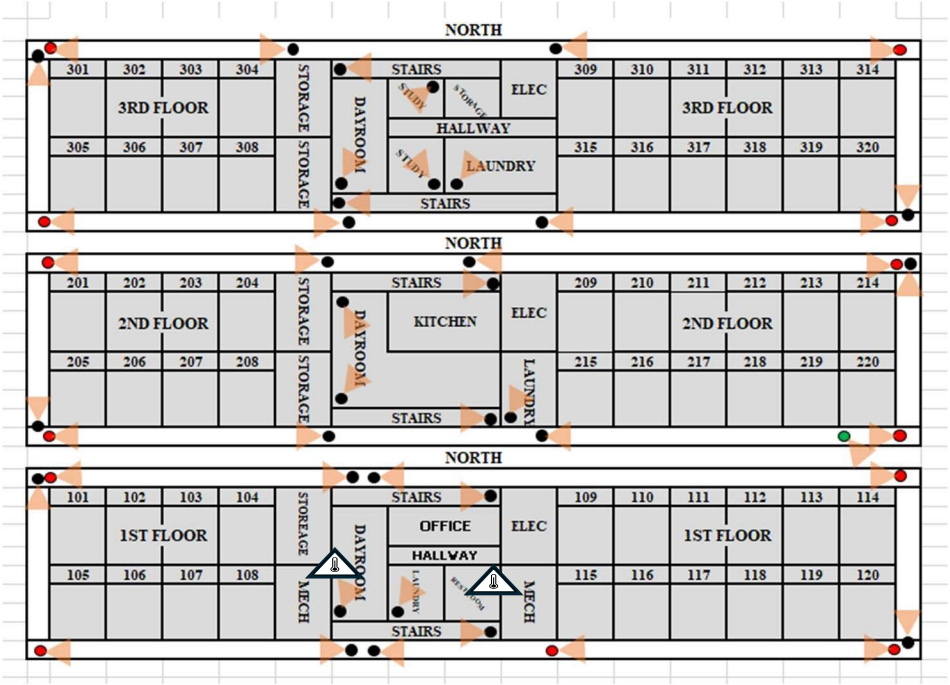
## Building 1334 - Current/Proposed Camera Layout




Existing Camera = 32
Proposed Additional New Camera = 13
Field of View Direction

Environmental Sensor = 33 (Bathrooms & Mech Rooms)

## Building 1350 - Current/Proposed Camera Layout

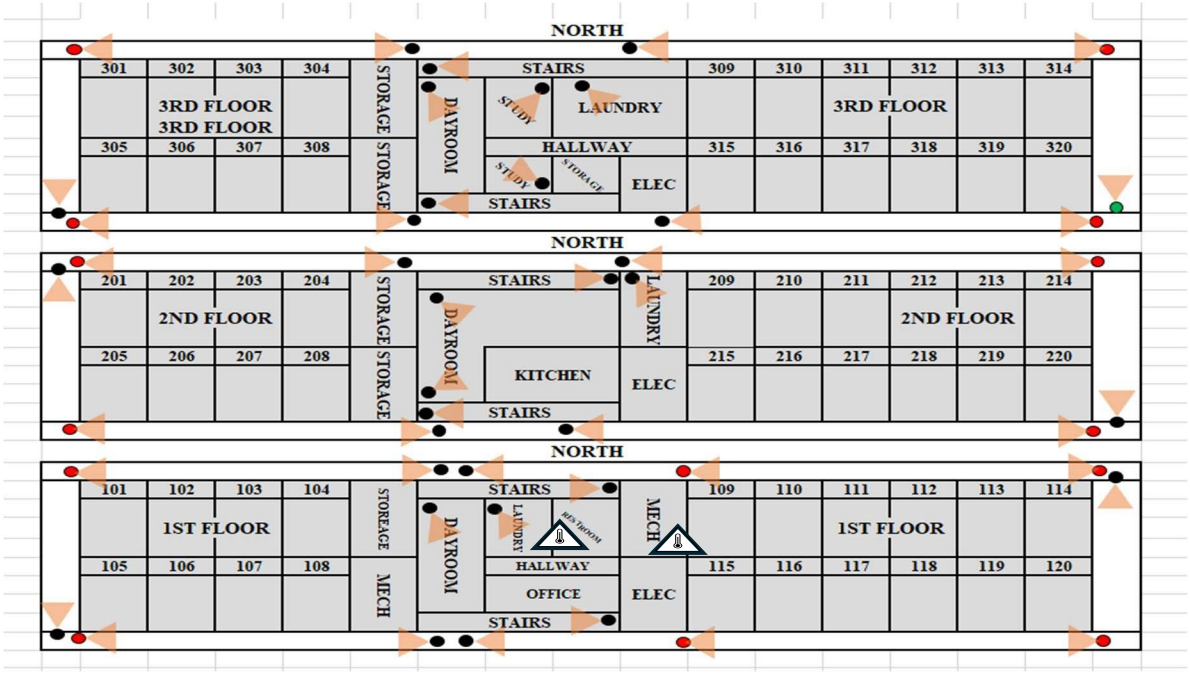



Existing Camera = 34
Proposed Additional New Camera = 13
Field of View Direction

Environmental Sensor = 33 (Bathrooms & Mech Rooms)

Version: 27 April 2026

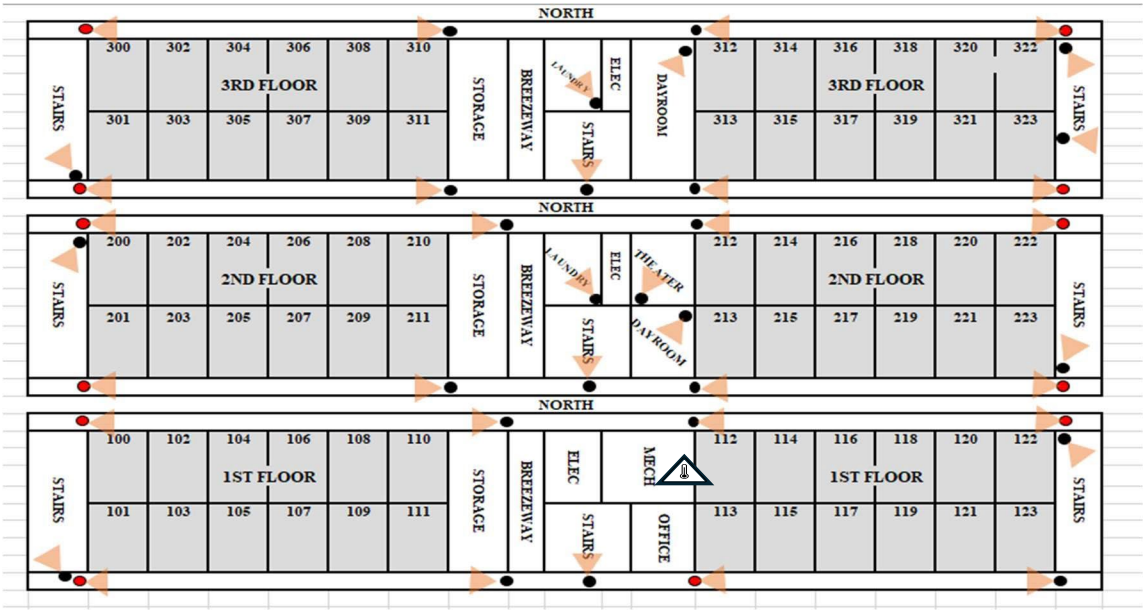
Building 1351 - Current/Proposed Camera Layout




Existing Camera = 33
Proposed Additional New Camera = 14
Field of View Direction

⚠ Environmental Sensor = 33 (Bathrooms & Mech Rooms)

Building 1352 - Current/Proposed Camera Layout

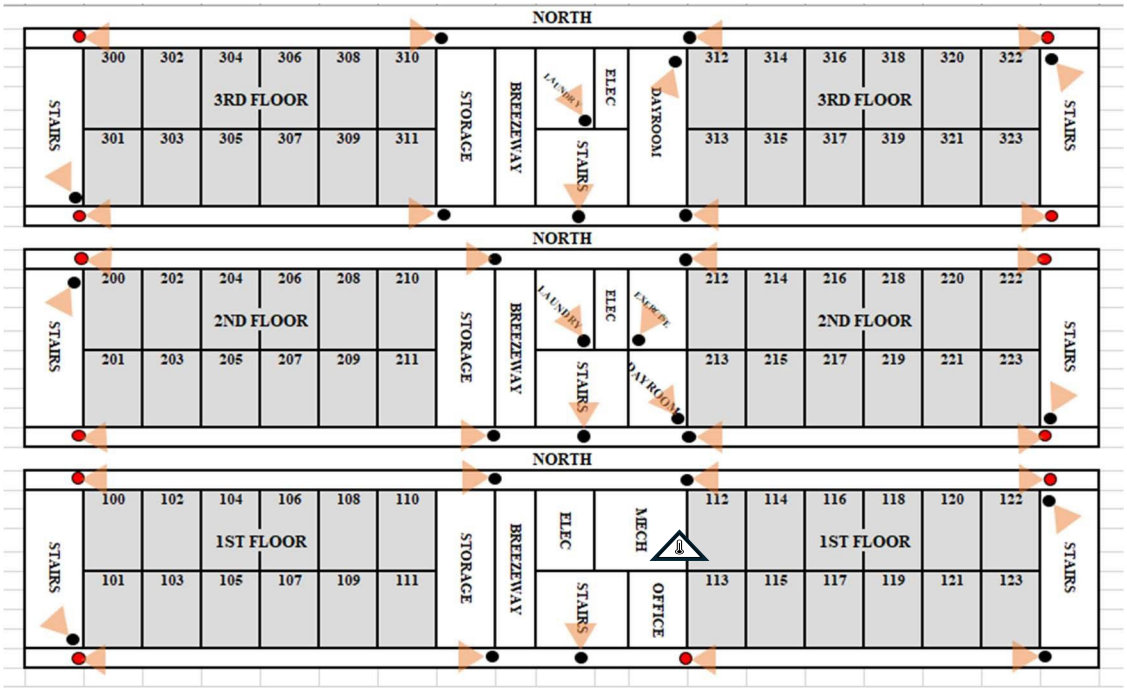



Existing Camera = 27
Proposed Additional New Camera = 12
Field of View Direction

⚠ Environmental Sensor = 37 (Bathrooms & Mech Rooms)

Version: 27 April 2026

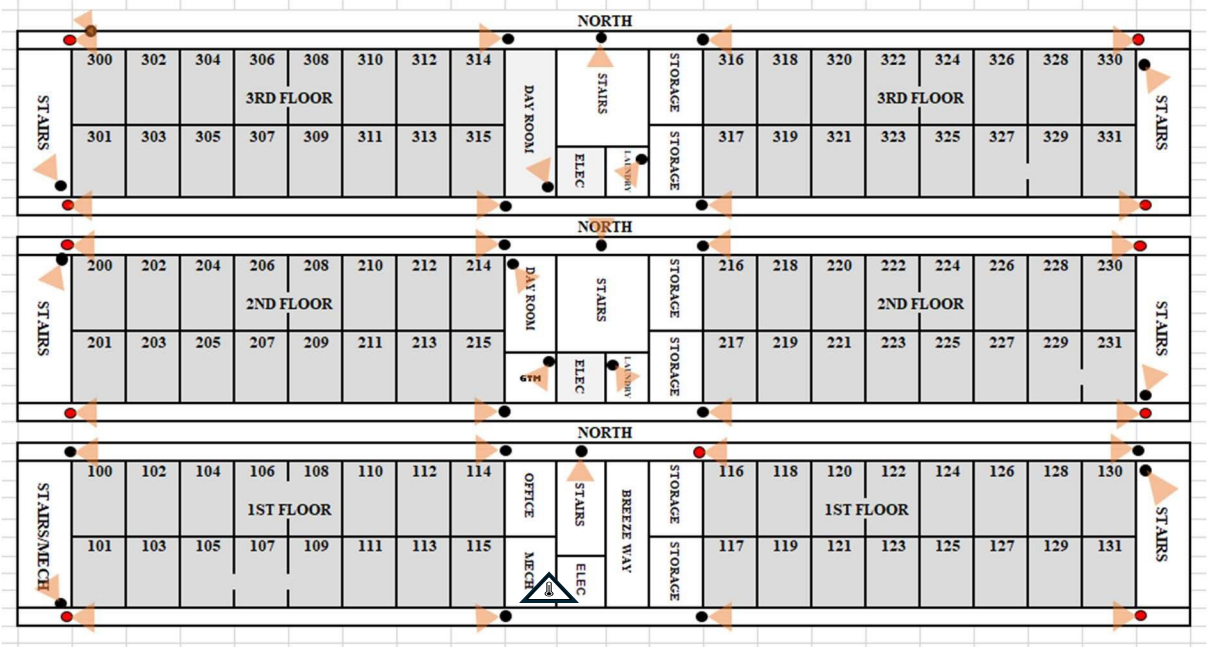
## Building 1353 - Current/Proposed Camera Layout




Existing Camera = 26
Proposed Additional New Camera = 12
Field of View Direction

Environmental Sensor = 37 (Bathrooms & Mech Rooms)

## Building 1354 - Current/Proposed Camera Layout

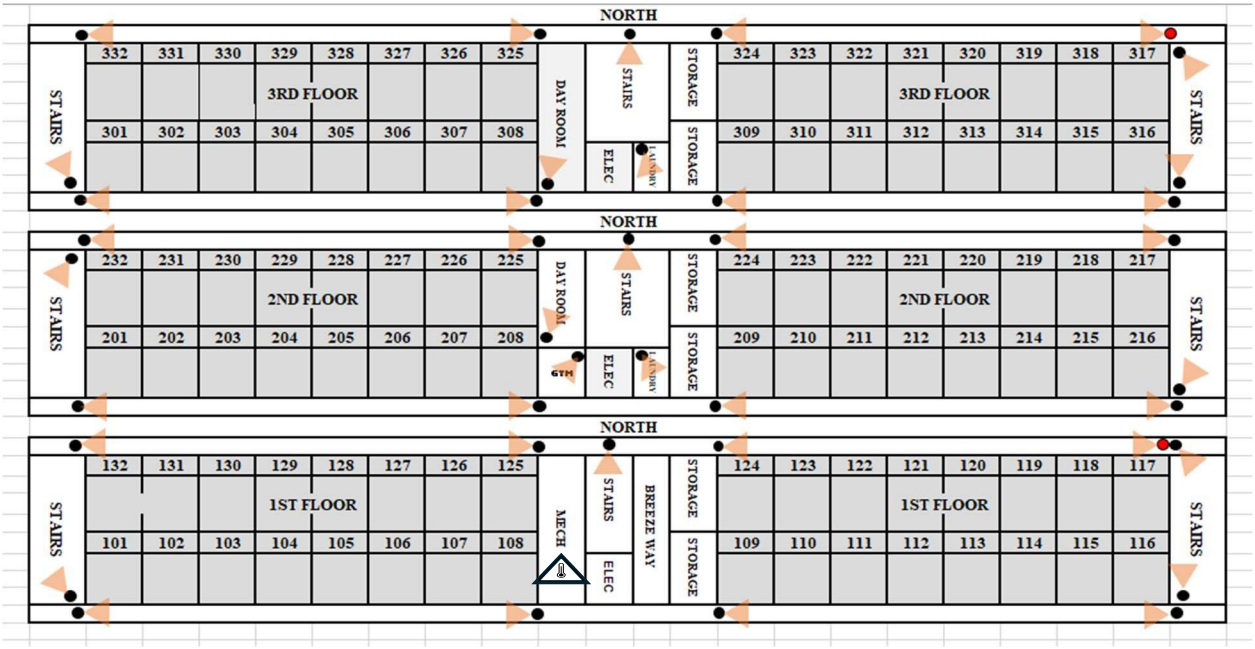



Existing Camera = 28
Proposed Additional New Camera = 11
Field of View Direction

Environmental Sensor = 50 (Bathrooms & Mech Rooms)

Version: 27 April 2026

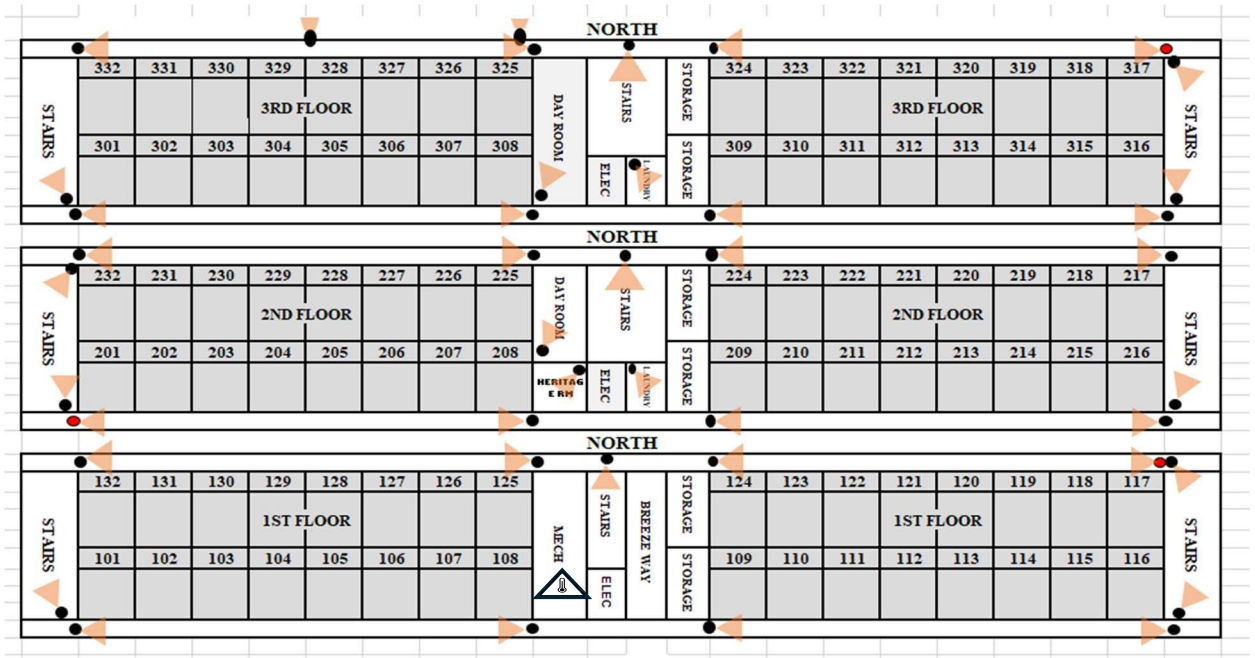
## Building 1355 - Current/Proposed Camera Layout




Existing Camera = 38
Proposed Additional New Camera = 2
Field of View Direction

Environmental Sensor = 50 (Bathrooms & Mech Rooms)

## Building 1356 - Current/Proposed Camera Layout




Existing Camera = 40
Proposed Additional New Camera = 3
Field of View Direction

Environmental Sensor = 50 (Bathrooms & Mech Rooms)

# TECHNICAL EXHIBIT 2

## Current Equipment List

| PartNum | Name | Manu Num | Description | Quantity |
|---|---|---|---|---|
| APC SMART UPS 750VA | APC | APC SMART UPS 750VA | APC Smart-UPS X 750VA Rack/Tower LCD 120V<br><br>APC SmartUPS,600 Watts /750 VA,Input 120V /Output 120V, Interface Port SmartSlot, USB, Extended runtime model, Rack Height 2 U | 15.00 |
| AR2480 | APC | AR2480 | NetShelter SV 42U 800mm Wide x 1060mm Deep Enclosure with Sides Black | 1.00 |
| APC UPS 2200 AV-RM | Anixter | APC UPS 2200 AV-RM | APC Smart-UPS 2200 VA RM 2U | 3.00 |
| ERF-17N-USB | Anixter | ERF-17N-USB | Eclipse ERF-17N-USB Rack Mount USB Monitor/Keyboard | 1.00 |
| SBX-7 | Anixter | SBX-7 | SBX Series Rack, SBX-7 | 15.00 |
| NS3702-24P-4S | Lenel | NS3702-24P-4S | 24 Port Gigabit Ethernet and 4 Gigabit SFP Ports, PoE+ and L3 Routing | 28.00 |
| S30-2SLC-10 | Lenel | S30-2SLC-10 | SFP-Port Gigabit 2 Fiber Mini GBIC Module SM 1310Nm - 10km | 56.00 |

| | | | | |
|---|---|---|---|---|
| SW-TRUVIS-CH8 | Lenel | SW-TRUVIS-CH8 | TruVision Channel License for when adding a TruVision recorder into OnGuard . Sold as an 8 pack. | 53.00 |

| | | | | |
|---|---|---|---|---|
| SWS-DV | Lenel | SWS-DV | OnGuard Video Security Server Software License on CD – include this part number if you want standalone video system. Includes OnGuard digital video server software license, system administration for video, communication server for video, alarm monitoring for video, a single OnGuard digital video client license, flexnet softkey and first year support plan SUSP-W-VO. (USE CONFIGURATION #3D) | 3.00 |
| TVD-3203 | Lenel | TVD-3203 | TruVision IP outdoor dome camera, 1.3mpx , 2.8~12mm motor lens, wdr, true d/n, 30m ir, alarm, sd/shdc slot, intelligence, poe (803.af) /24vac, heater, IP66, ik10, ntsc, Onboard analytics not presently | 416.00 |

| | | | | |
|---|---|---|---|---|
| | | | supported on OnGuard or Prism | |
| TVD-3205 | Lenel | TVD-3205 | TruVision IP outdoor dome camera, 3.0mpx , 8~32mm motor lens, wdr, true d/n, 50m ir, alarm, sd/shdc slot, intelligence, poe (803.af) /24vac, heater, IP66, ik10, ntsc, Onboard analytics not presently | 13.00 |

| | | | | |
|---|---|---|---|---|
| | | | supported on OnGuard or Prism | |
| TVN-2132P-12T | Lenel | TVN-2132P-12T | TruVision NVR 21P; 32 channel IP high performance network video recorder with 8 HDD bays for extended storage; 12TB storage; with power cord [DOES NOT integrate GoEntry] [Will integrate with TruPortal 1.5 | 14.00 |

| | | | | |
|---|---|---|---|---|
| | | | and OnGuard 2013 Add-on] | |
| FIBER MATERIAL FROM | Windy City Wire 08/2011 | FIBER MATERIAL FROM | | 1.00 |

TECHNICAL EXHIBIT 3

DELIVERABLES SCHEDULE

| Deliverable | Frequency | # of Copies | Medium/Format | Submit To |
|---|---|---|---|---|
| Continuity Book to include:<br>1. How to operate and perform all functions of the system.<br>2. Final drawing showing the building floor plan with conduit runs, rack elevations, locations of the control monitors, switches,VMSs, UPS, and individual cameras. 3. Make/model and serial number of each item in the system and any manufacturer provided instruction manuals | Within 30 days after installation | 2 (1 for Dorm Office and 1 for CE ITEC) | Hard and soft copy | 60 CES Dormitory Office |
| User Training | Prior to project completion | 15 Personnel | In person training | 60 CES Dormitory Office |
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