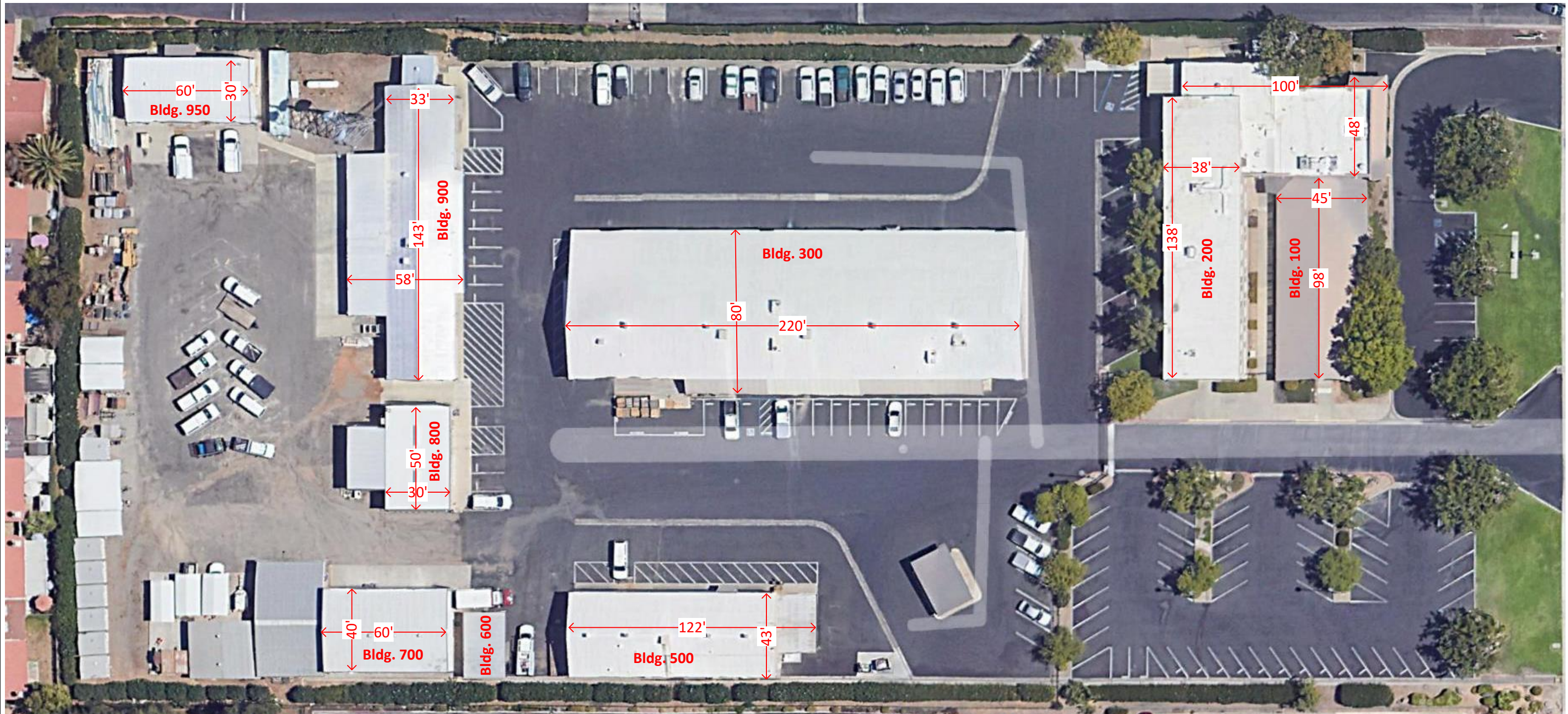
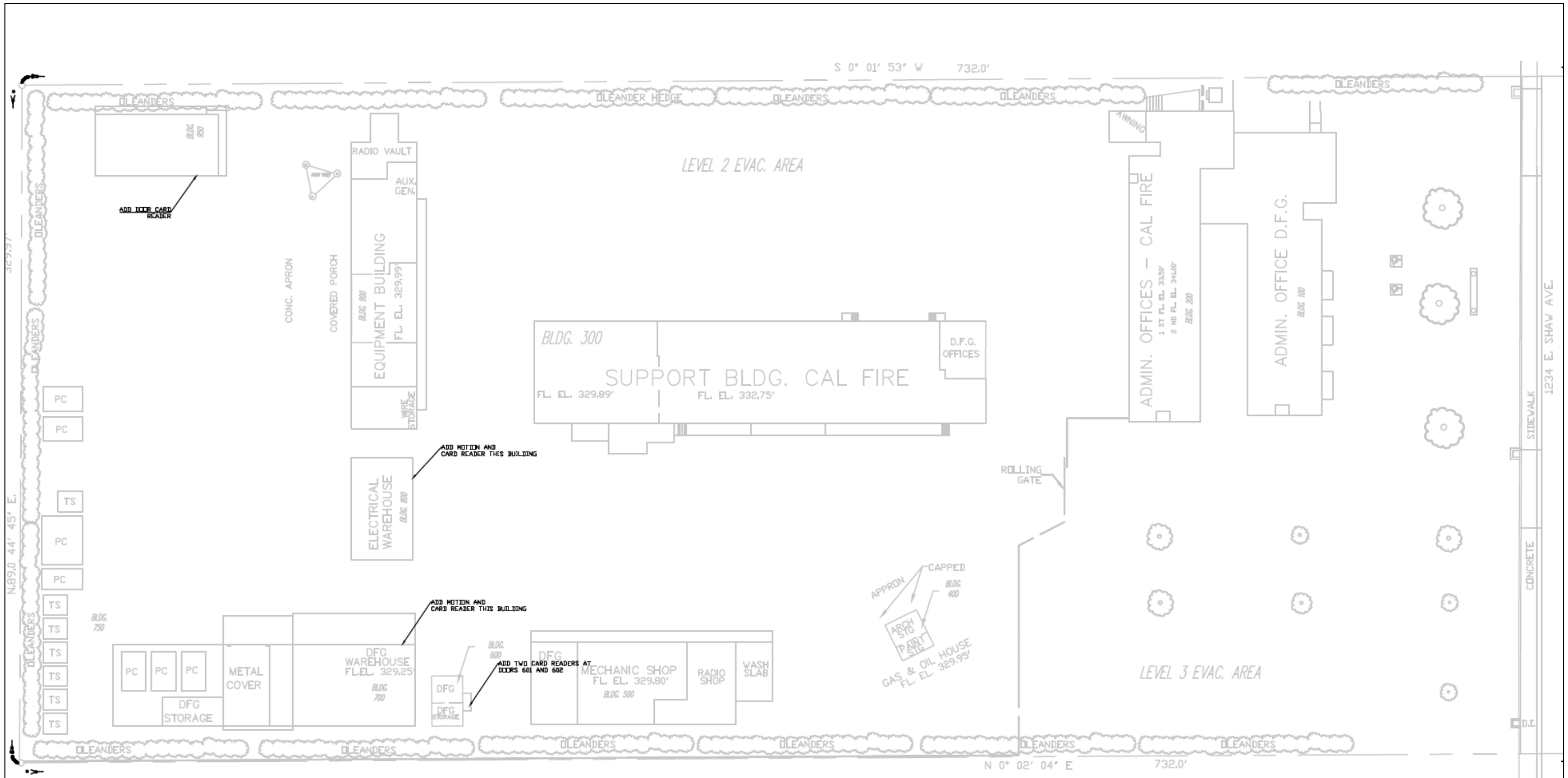


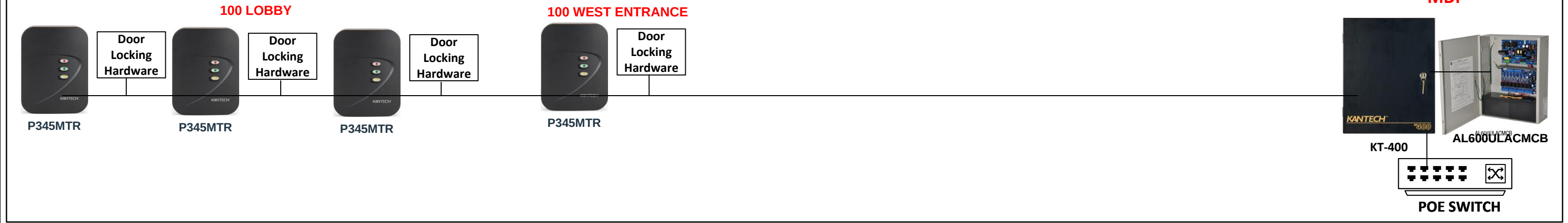




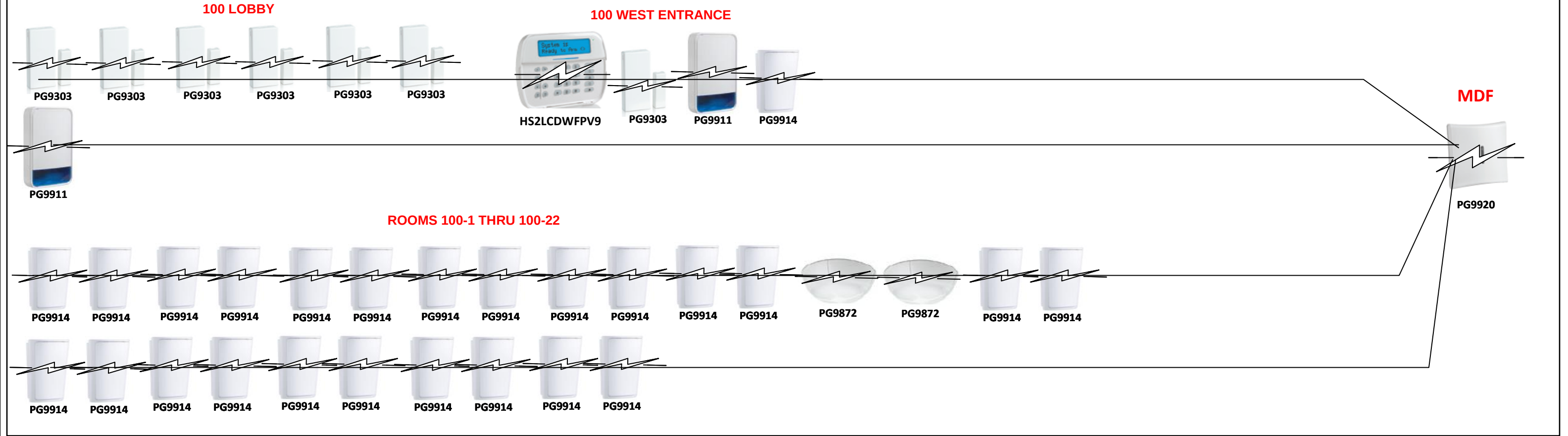
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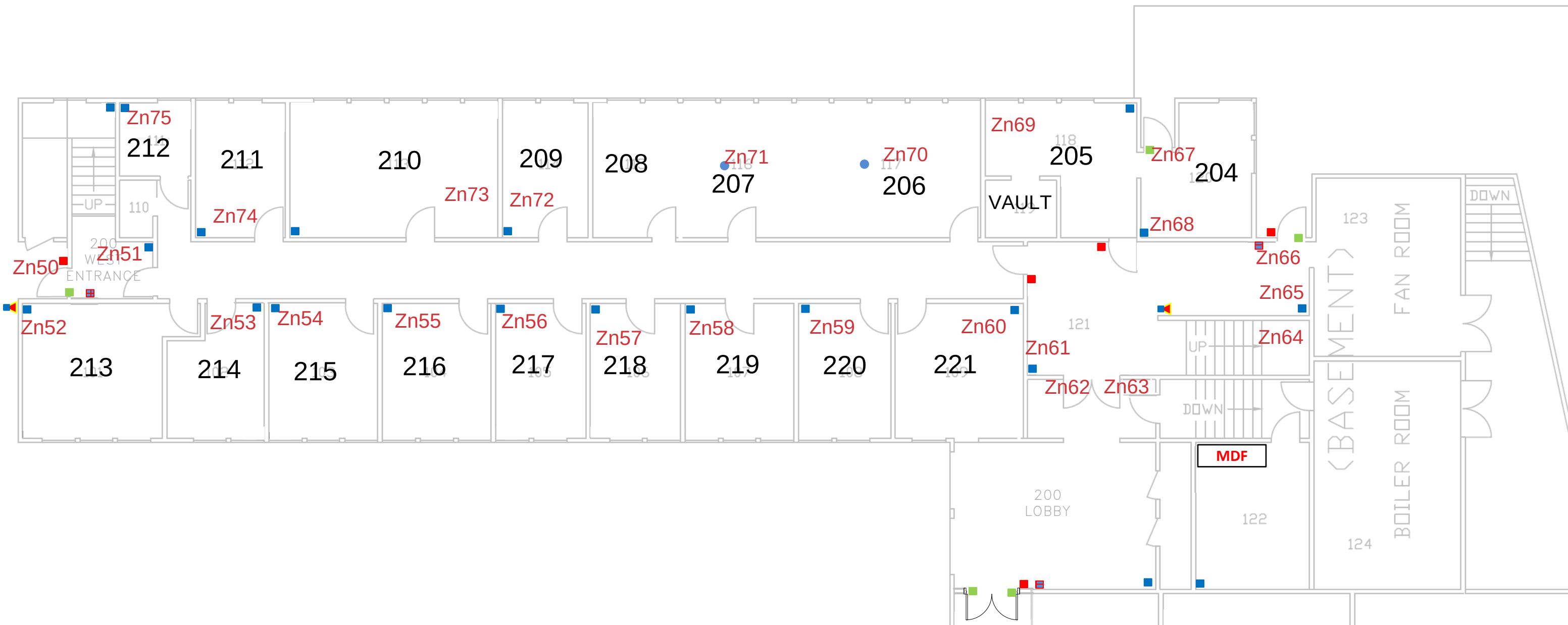


ACCESS CONTROL & VIDEO



INTRUSION DETECTION





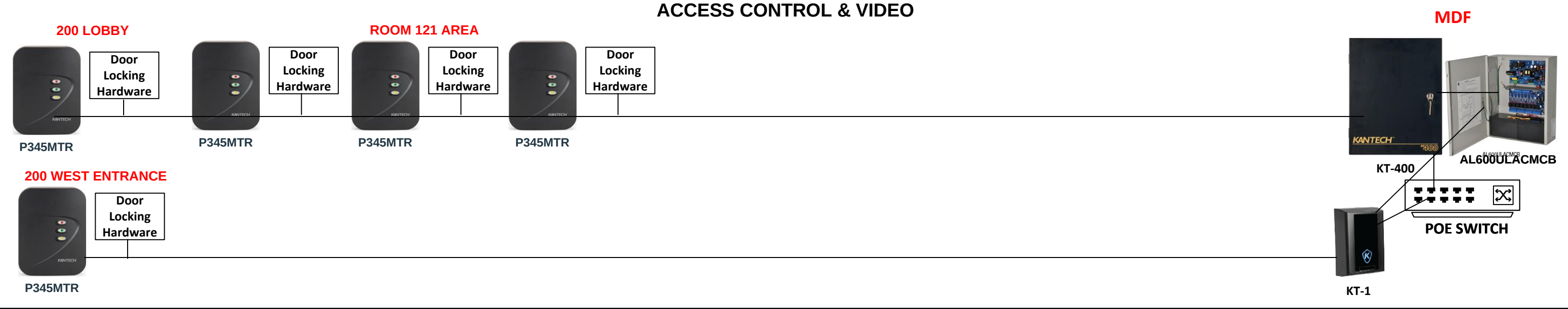
- Door Contact
- Overhead Door Contact
- Access Control Reader/Keypad
- Motion Sensor
- Alarm Keypad
- IP Dome Camera
- Aiphone Intercom
- Alarm Siren



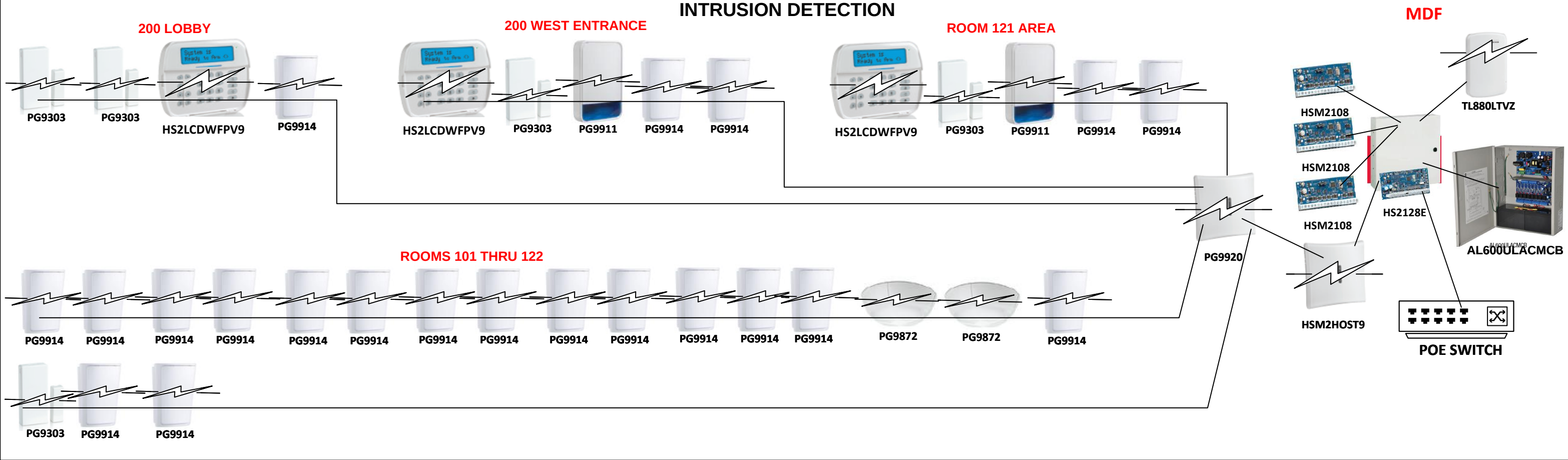
BLDG 200 MAIN ADMINISTRATION FIRST FLOOR



ACCESS CONTROL & VIDEO



INTRUSION DETECTION





BLDG 200 MAIN ADMINISTRATION SECOND FLOOR

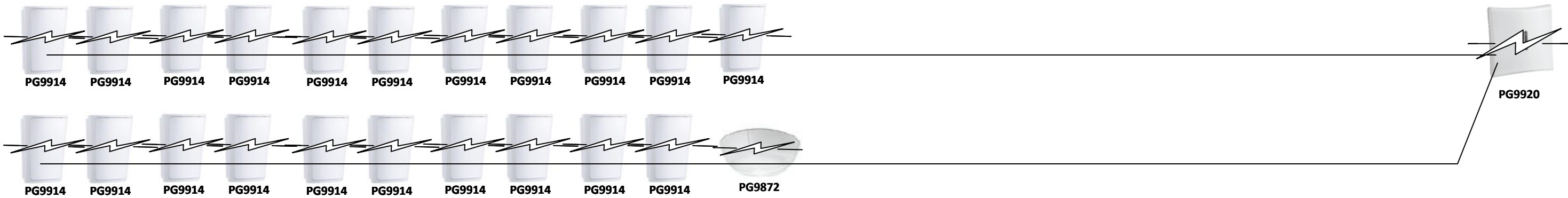


ACCESS CONTROL & VIDEO

INTRUSION DETECTION

FOYER

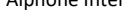
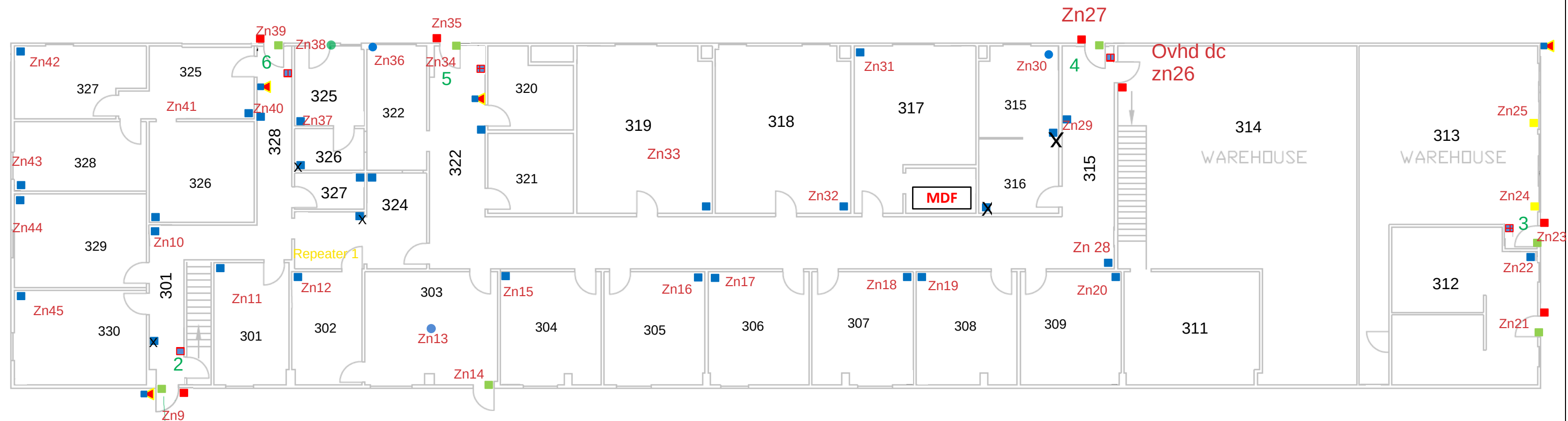
ROOMS 201 THRU 219



BLDG 200 SECOND FLOOR EQUIPMENT CONNECTIONS

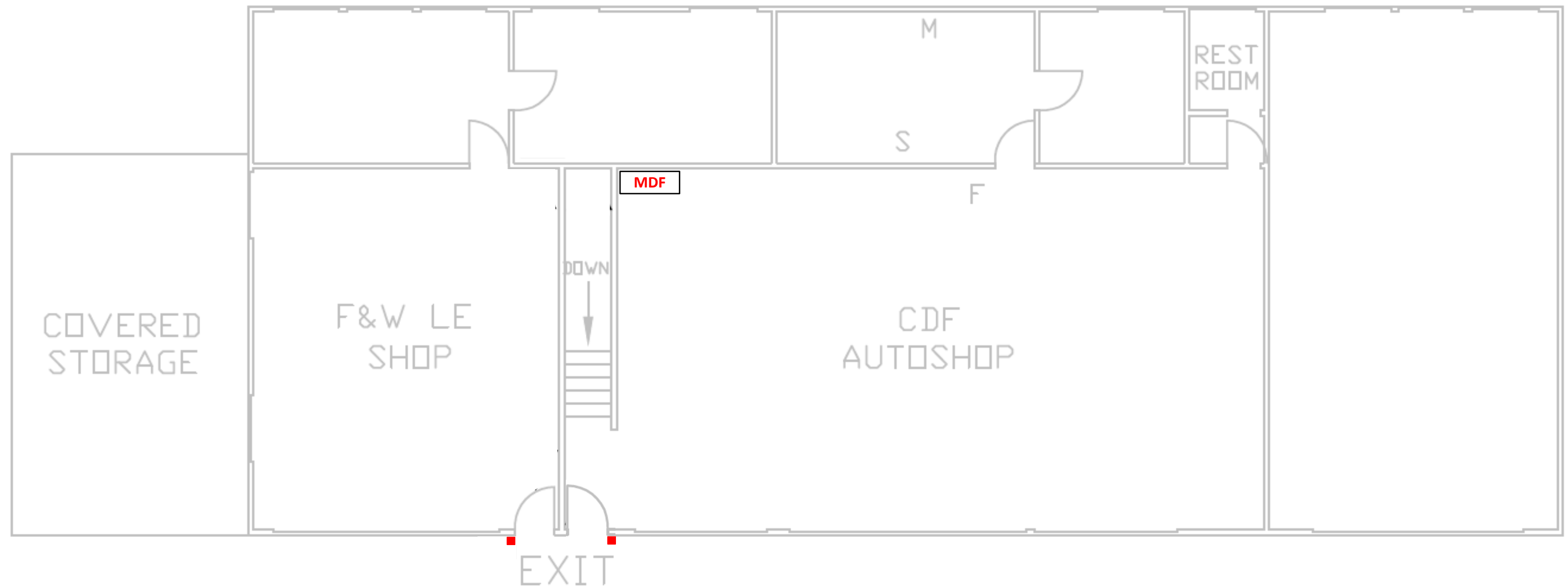


assignment



BLDG 300 CAL FIRE SUPPORT

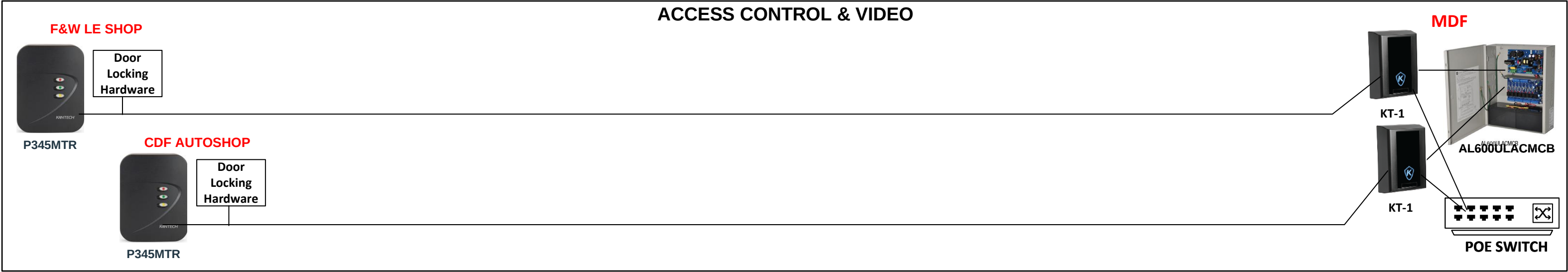


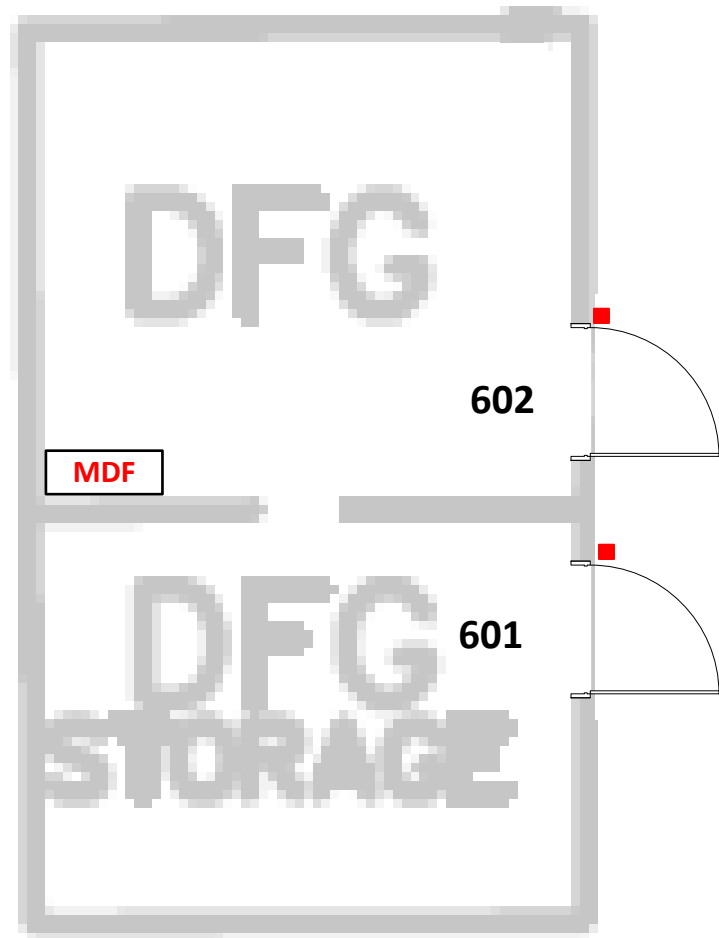


- Door Contact
- Overhead Door Contact
- Access Control Reader/Keypad
- Motion Sensor
- Alarm Keypad
- IP Dome Camera
- Aiphone Intercom
- Alarm Siren

BLDG 500 AUTOMOTIVE SHOP





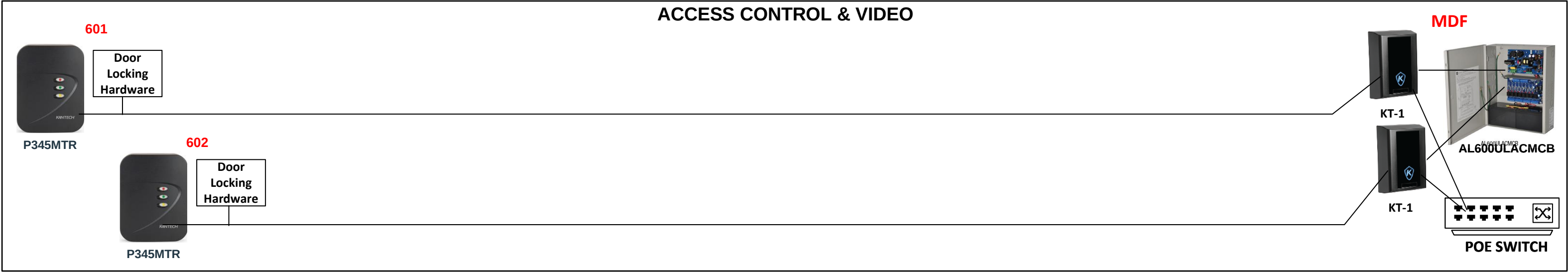


- Door Contact
- Overhead Door Contact
- Access Control Reader/Keypad
- Motion Sensor
- Alarm Keypad
- ▶ IP Dome Camera
- Aiphone Intercom
- Alarm Siren



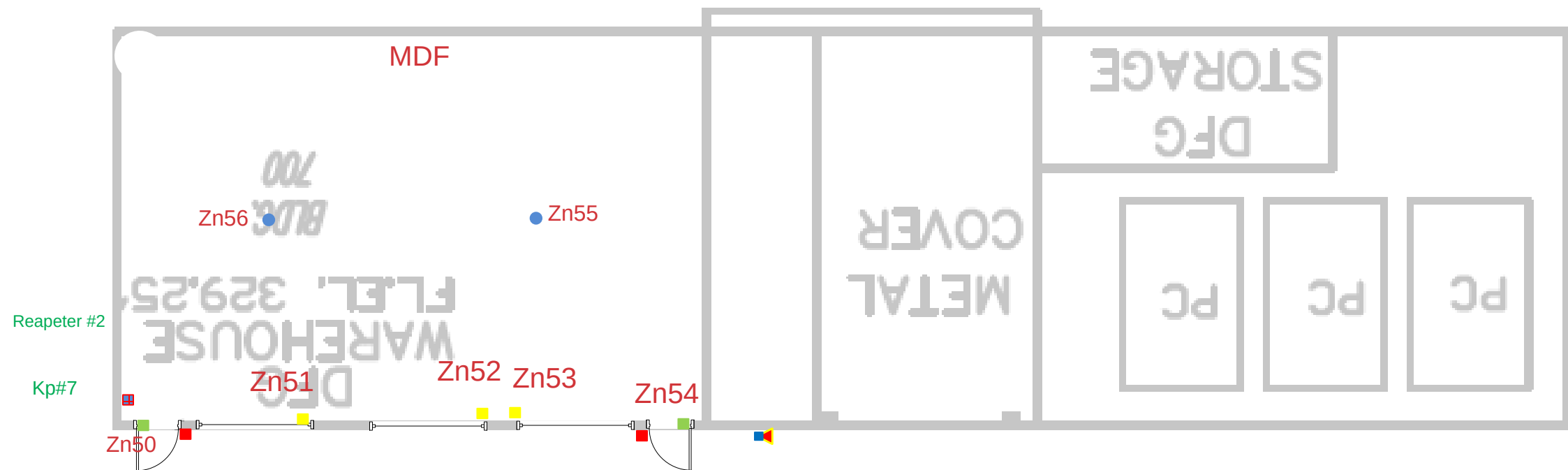
BLDG 600 DFG STORAGE



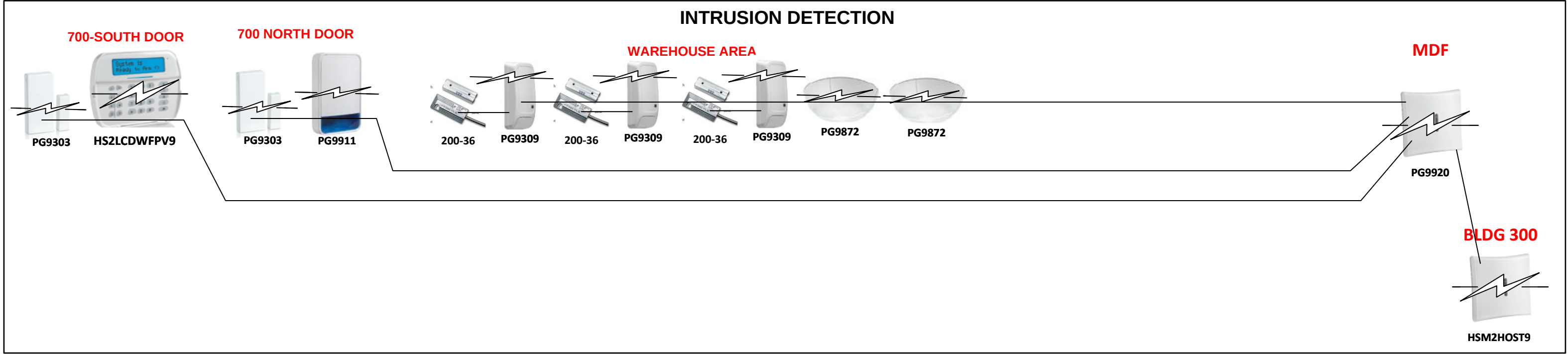
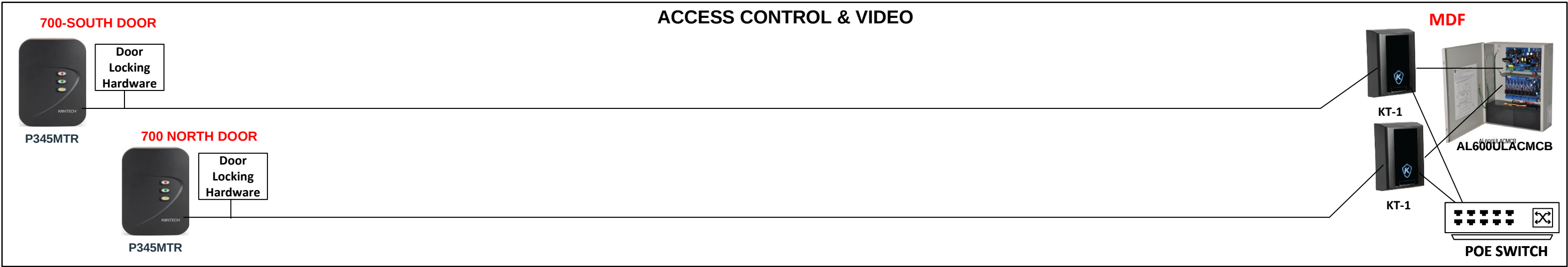


INTRUSION DETECTION



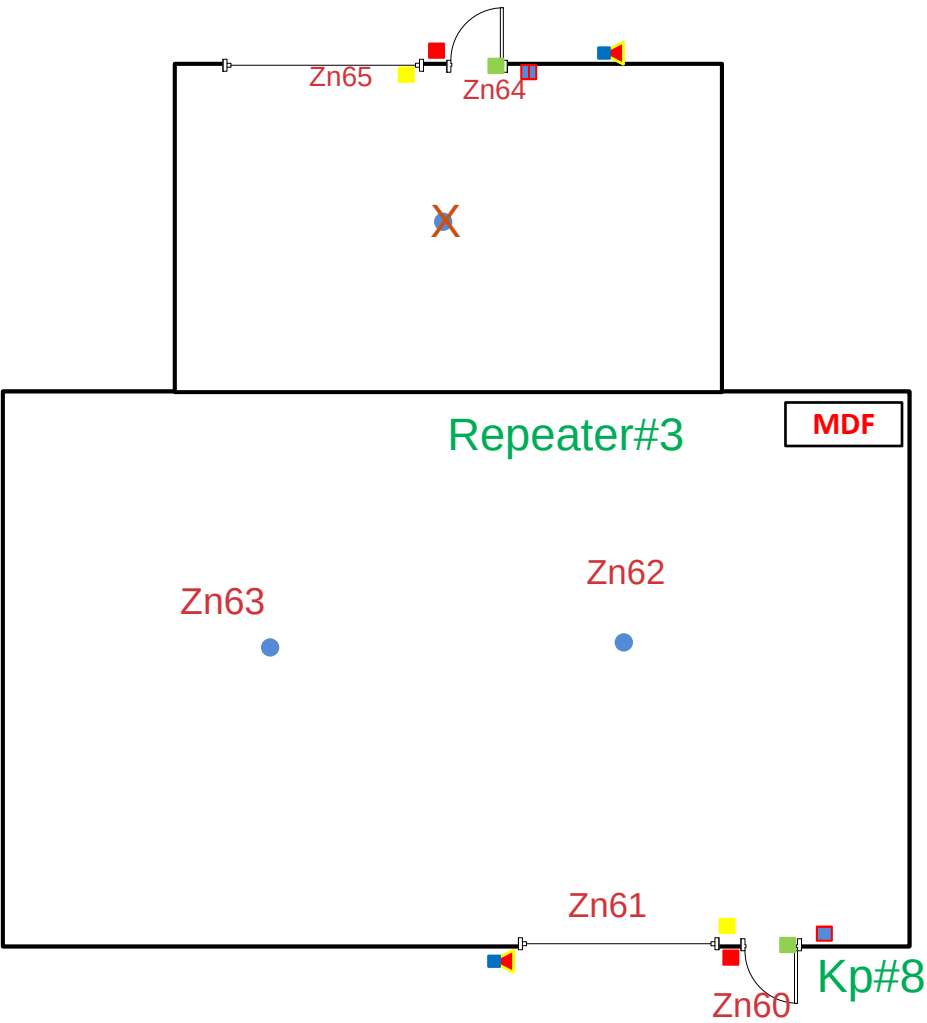


- Door Contact
- Overhead Door Contact
- Access Control Reader/Keypad
- Motion Sensor
- Alarm Keypad
- IP Dome Camera
- Aiphone Intercom
- Alarm Siren



BLDG 700 EQUIPMENT CONNECTIONS



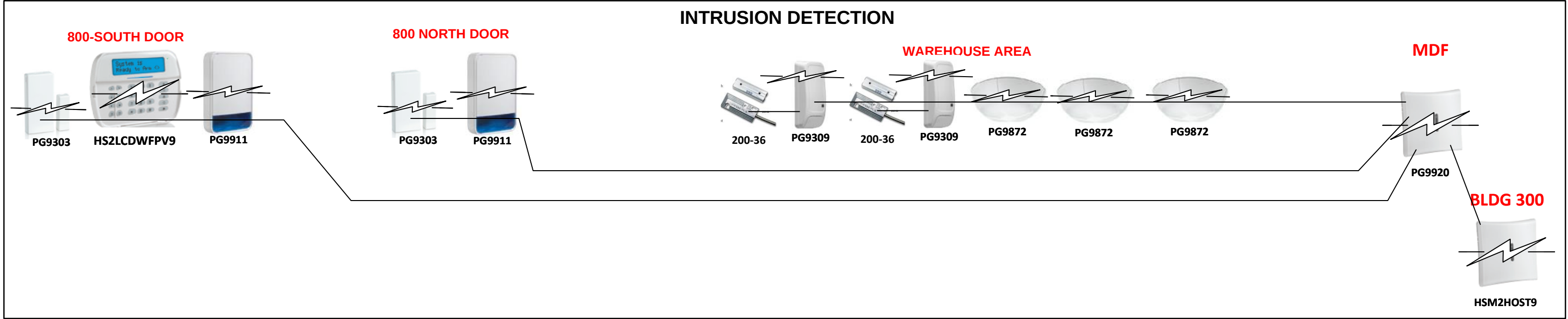
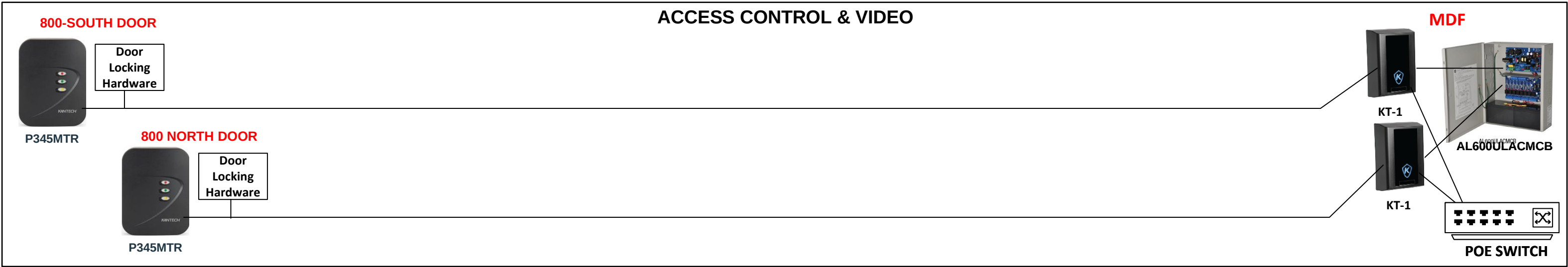


- Door Contact
- Overhead Door Contact
- Access Control Reader/Keypad
- Motion Sensor
- Alarm Keypad
- ▶ IP Dome Camera
- Aiphone Intercom
- ▶ Alarm Siren



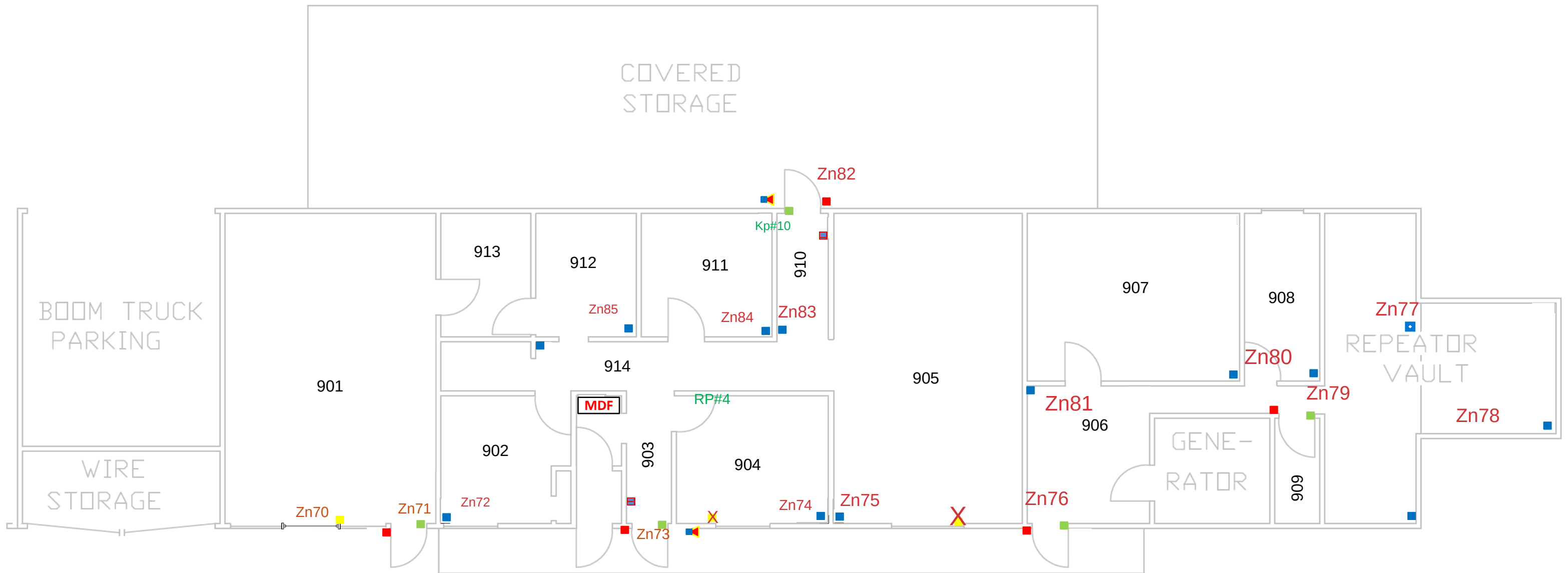
BLDG 800 ELECTRICAL WAREHOUSE



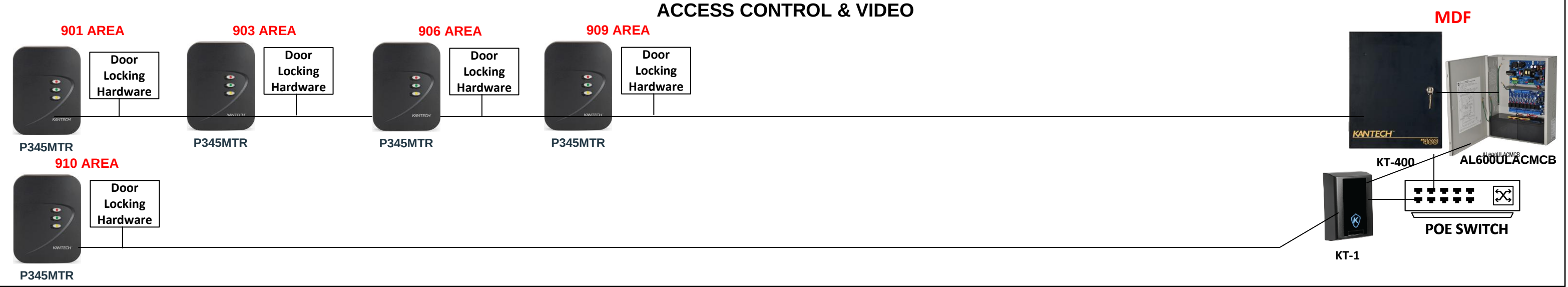


BLDG 800 EQUIPMENT CONNECTIONS

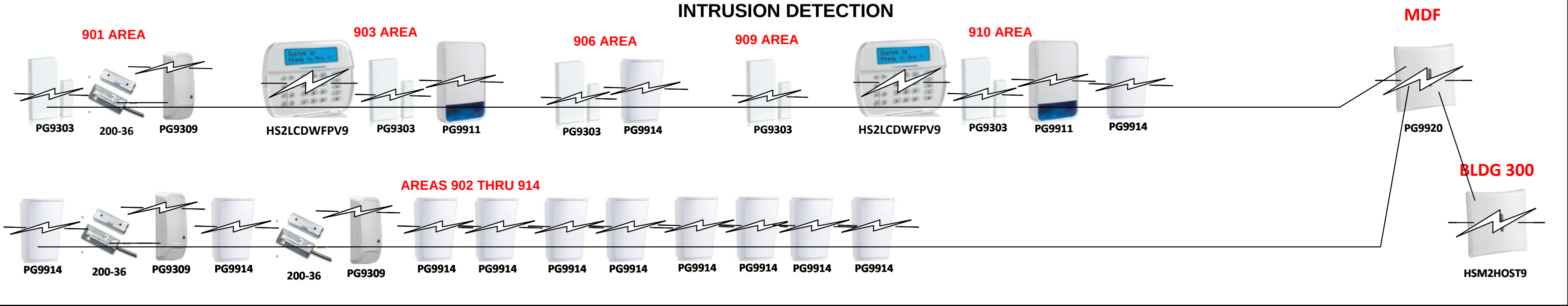




ACCESS CONTROL & VIDEO



INTRUSION DETECTION



BLDG 900 EQUIPMENT CONNECTIONS





- Door Contact
- Overhead Door Contact
- Access Control Reader/Keypad
- Motion Sensor
- Alarm Keypad
- IP Dome Camera
- Aiphone Intercom
- Alarm Siren

ACCESS CONTROL & VIDEO



INTRUSION DETECTION





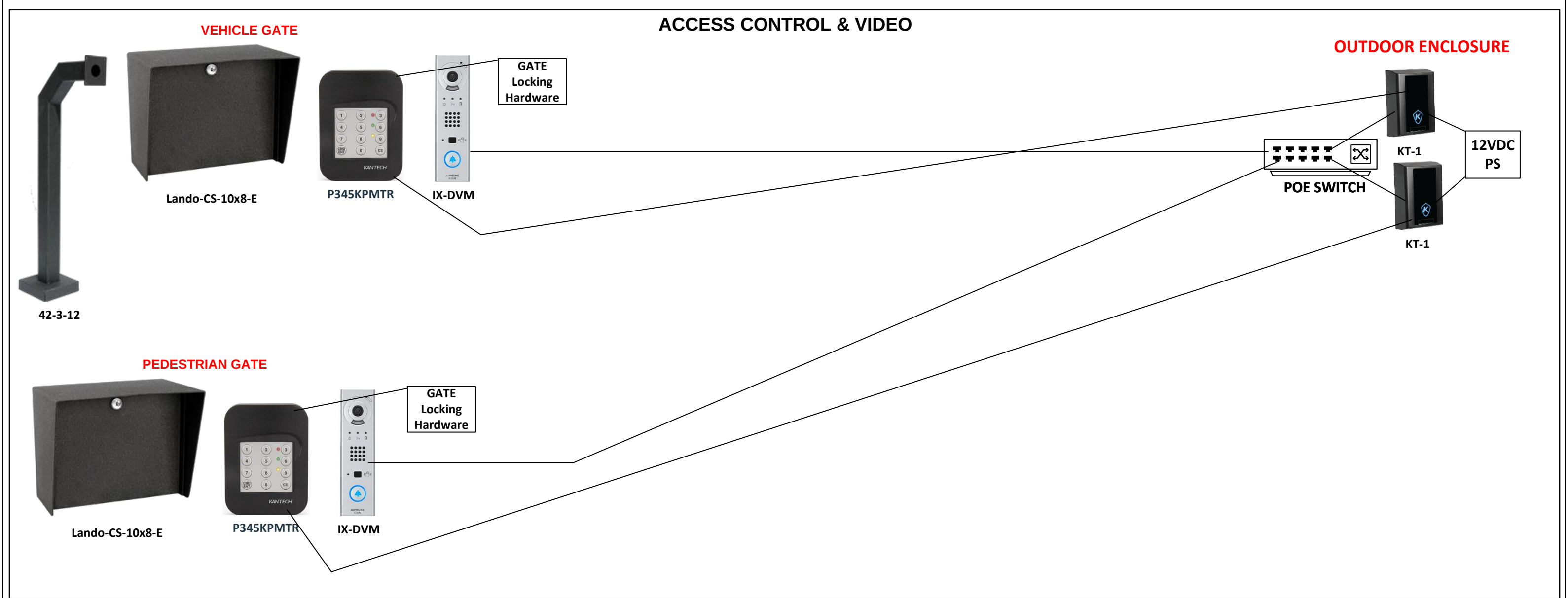
- ■ Access Control Reader/Keypad
- Aiphone Intercom



- Door Contact
- Overhead Door Contact
- ■ Access Control Reader/Keypad
- ● Motion Sensor
- Alarm Keypad
- IP Dome Camera
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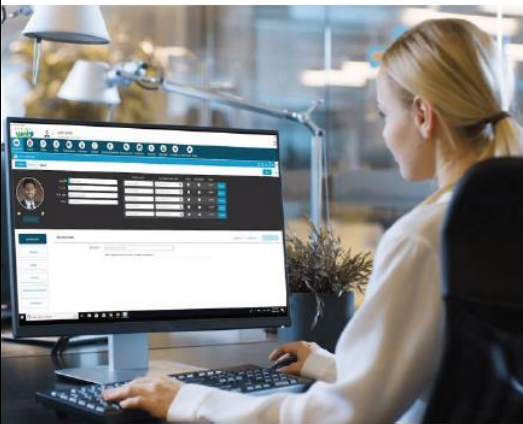
VEHICLE AND PEDESTRIAN GATES





EntraPass Corporate Edition

Multiple Workstation Security Management Software



Features That Make a Difference

- Support for ioSmart Smart Card Readers & Cards
- Gain access to doors with a one time unlock command using the EntraPass go Pass mobile app
- Supports up to 20 workstations and controls hundreds of thousands of doors
- Supports up to 50 concurrent logins of EntraPass web and/ or EntraPass go. First login is provided as standard
- Import/synchronize EntraPass Operators and users and cardholders with Microsoft Active Directory for Centralize Management
- Compatible with ASSA ABLOY Aperio wireless locks*
- Integrates with Exacq video management systems, DSC PowerSeries intrusion alarm panel models and the Kantech INTEVO integrated security platform

*when used with KT-400, KT-2 KT-1-M door controllers

Network Ready

EntraPass Corporate Edition is a proven platform that offers the ultimate balance between power and affordability in a network environment. EntraPass offers the flexibility to apply security to controllers directly connected on the network, as well as over RS-485. EntraPass software is compatible with Kantech IP devices such as KT-1/KT-2/KT-400 controllers and Kantech IP Link (KT-IP) which all utilize 128-bit AES encryption to protect communication against compromise.

KT-400 controller is a highly proven IP controller that supports 8 readers (4 doors IN/OUT control) when using ioProx XSF and ioSmart readers and cards. Securely connect 4 readers to the KT-400 through OSDP.

For the utmost flexibility and as a truly plug & play IP device, the KT-1 controller features a direct Ethernet port, PoE/PoE+ capabilities and can be easily surface mounted above the door, thus reducing cabling and installation time.

The uniquely designed KT-2 controller also features a direct Ethernet port with PoE/PoE+ capabilities and a built-in wifi antenna which helps in the installation process by reducing the cost of installation.

Kantech



With an innovative one-touch set-up and enrollment process, the KT-1 and KT-2 provides integrators with the ultimate IP access control installation in minutes. Kantech's IP devices offer real-time access to security information and integrate seamlessly into an existing TCP/IP network; meaning no changes to existing equipment, network, or related systems.



They also act as a polling device to ensure the controllers communicate with EntraPass only as required, reducing network traffic.

Kantech Advantage Program

As EntraPass Security Management Software continues to deliver new features and enhancements, it is important to have the productivity tools to effectively use this solution. The Kantech Advantage Program (KAP) allows you to stay current with your EntraPass software installation using tokens. The number of tokens required is based on the EntraPass options activated.

Remote, Mobile Access

EntraPass Corporate Edition supports the intuitive, state-

of-the-art EntraPass web and EntraPass go mobile applications which offer customers an unparalleled feature-rich security experience. System administrators can connect via the web or a dedicated app on their smart phone/ tablet and manage common access control, video and intrusion functions wherever they are. EntraPass also supports the EntraPass go Pass mobile app which allows users with appropriate credentials to quickly and conveniently access secured areas with a few taps of a mobile device. EntraPass go Pass turns iOS or Android mobile device into an access control credential. Once the app connects to the Kantech EntraPass server, it presents you with a list of doors that you are authorized to enter.

Site Architecture

A site within EntraPass represents a customer's building, campus, etc. and is composed of many different connections, which have multiple door controllers attached. The system can manage up to 2,048 local IP connections (consisting of KT-1, KT-2, KT-100, KT-200, KT-300 or KT-400 door controllers) per Multi-Site Gateway. EntraPass supports the use of third party card readers as well as Kantech's ioSmart and ioProx readers. ioSmart readers provide end-to-end AES 128-bit encryption between the ioSmart card and ioSmart reader, ioSmart reader and Kantech KT-1, KT-2 and KT-400 controllers over RS-485 and the aforementioned controllers to EntraPass software over IP. EntraPass software is highly scalable and can seamlessly expand as the security requirements of your business grow.

Door Controller Compatibility

EntraPass software is compatible with Kantech's complete line of door controllers to create a highly scalable solution that can be deployed within one building or across multiple locations. You can mix and match the KT-1, KT-2 and KT-400 together for the best solution to fit your specific needs.

EntraPass makes the migration to KT-1, KT-2 and KT-400 controllers from legacy Kantech controllers easier for existing Kantech end users. You can automatically move the legacy controller's door programming, access levels, triggers, graphics, etc. to the new controller eliminating the need to reprogram the entire access control system from the ground up.

Kantech



Remote System Management Tools

The EntraPass web platform enhances the user experience by delivering remote and convenient real-time access to manage common security tasks and reports from any computer connected to the internet. Security managers on the go can perform a host of functions including locking/ unlocking doors, managing cards and schedules, requesting reports, viewing live video and PTZ control, viewing recorded video, video playback, monitoring events by floor plan and so much more. EntraPass go is a mobile app that allows you to remotely control your security system from anywhere without being tied to a workstation. It enables you to interact with EntraPass Security Management Software using only a few taps on your mobile device. The easy-to-use mobile app offers anytime, anywhere real-time management of over 20 security tasks. You can manage/create cards, lock/ unlock doors, arm/disarm partitions, view live video from Exacq exacqVision video servers and Kantech INTEVO integrated security platform, view PTZ control, view video playback, request reports and more. Operators are automatically authenticated and logged into EntraPass via their Windows credentials with one simple click.

Alarm Panel Integration

By integrating all security assets such as intrusion detection, access control, video and telephone entry into one common platform, users can interface with just one system, for greater simplicity and optimum control. Kantech offers integration kits to connect a DSC PowerSeries, PowerSeries Neo, PowerSeries Pro or MAXSYS intrusion alarm panel to a Kantech access control system to create a single integrated solution. Native data integration allows the access control system to receive intrusion events, view zone status, view and bypass zones and arm/disarm via card reader or virtual keypad. The virtual zones feature in DSC PowesrSeries Neo allows for the access control events from EntraPass to be sent to the central monitoring center for even better situational awareness.

ITV2 Type 2 encryption is an integration option for use with both the PowerSeries Neo and PowerSeries Pro panels, which adds security to the connection. Some features vary based on intrusion panel and client.

Video Integration

Real-time monitoring capability is a response to the growing importance of video in access control systems. Integration with Exacq video management systems, American Dynamics DVRs/NVRs (VideoEdge, HDVR, ADTVR, Intellex) and Kantech INTEVO integrated security platform provides real-time video monitoring as well as video playback. Video can be linked to access events (such as "door forced open") and recorded from one to sixteen cameras from compatible DVR/ NVR simultaneously. All cameras can be called up directly from a floor plan simply by double-clicking on the camera or dome icon. You can then store video alarm clips at an off-site location for easy access using VideoVault which provides protection of the clips against unauthorized access.

Kantech



Stonelock Biometric Readers

StoneLock provides the next generation of biometric reader redefining security and authentication. Using state-of-the-art near-infrared sensors, this "faceless" recognition technology is designed to protect user's privacy without the use of photographs. Built directly into EntraPass for a seamless user experience, StoneLock provides biometric-centric credentialing managed from EntraPass workstation, web and go. EntraPass software offers a holistic report of what happens at the door by unifying access control events and StoneLock notifications.

ASSA ABLOY Aperio Wireless Lock Integration

Kantech expands its integrated user experience by adding the support of ASSA ABLOY Aperio wireless locks. The Aperio locks are managed directly through EntraPass. Each Aperio lock communicates with an Aperio wireless hub, which communicates back to the KT-1-M, KT-2 and KT-400 door controllers over RS-485. Online transactions mean that EntraPass is updated in real-time, providing a high level of control and visibility of door actions. See ASSA ABLOY Aperio data sheet on www.kantech.com for additional information.

Telephone Entry Integration

The Kantech Telephone Entry System (KTES) delivers a fully integrated telephone entry and access control solution. The KTES provides visitor/resident entry, tracking and reporting. It uses a touch-tone phone style keypad that offers both familiarity and ease of use. Two-way audio is built-in.

Audit Trail

The Audit Trail functionality provides a detailed report on who makes changes and when the changes occurred to a card or component. Audit reports are available based on cards, components and/or operators. Detailed information includes: the type of change, menu that was changed, number of fields changed, name of the GUI field, value before/ after the change, and data type.

Redundant Server and Gateway

A redundant server protects the EntraPass database against unexpected failures and is an option available with Corporate Edition software. It features real-time data transfer, creating fully functional redundancy at low cost. In the event of primary server failure, the redundancy server which supports all the features and functionality of the primary server.

Synchronization with Microsoft Active Directory

EntraPass offers integration with Microsoft Active Directory which synchronizes Active Directory with EntraPass operators and card holders, eliminating the need for their manual creation in the EntraPass database. The integration also enables single sign on, where operators are automatically authenticated and logged into EntraPass workstation via their Windows credentials with one simple click.

*Some features and integrations may require additional licensing options, please reference the Ordering Information table for details.
*All features listed on this data sheet are available with the latest build of EntraPass v8.50 and higher

Kantech

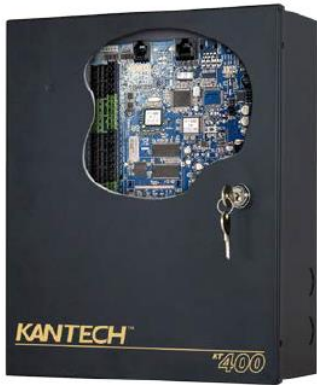




Data Sheet

Kantech KT-400

Powerful, Ethernet-Ready Four-Door Controller



Features That Make a Difference

- End-to-end encryption using Kantech's ioSmart reader and smart card
- Configurable in two different modes: Provides advanced access control features when used with EntraPass Security Management Software or basic door security in Standalone Mode
- 100,000 cards and 60,000 stored events in Offline Mode
- Ethernet port for easy connectivity
- Double and triple swipe card at reader to activate relay, arm alarm system, lock/ unlock doors and more
- Supports 8 readers/4 doors (EntraPass Security Management Software), 4 doors/4 readers (Standalone Mode); Kantech ioProx XSF and ioSmart readers
- Data integration with DSC MAXSYS, PowerSeries, PowerSeries Neo and PowerSeries Pro intrusion alarm panels (EntraPass Security Management Software)

KT-400 Ethernet-ready four-door controller supports eight readers (EntraPass Security Management Software) and can be configured in two user friendly operational modes. KT-400's Standalone Mode offers basic door security using a simple web browser without the need to connect to a host system. Alternatively, KT-400 can be used with the powerful EntraPass Security Management Software to provide more advanced and fully integrated access control features.



KT-400 Standalone Mode*

Ideal for sites that only need basic door security, the KT-400 four door controller features an embedded web server which enables it to operate in a Standalone Mode – meaning no EntraPass software is required.

*Compatible hardware: KT-400rev01 without heat sinks



One Combined Hardware and Web-based Software Solution

With no extra security software to purchase and install, and using an intuitive web browser for quick set up, KT-400 Standalone provides a cost-effective, yet feature rich alternative for four-door security.

Responsive Web-based Software

Intuitive and responsive web-based software enables you to simply manage and configure your four-door security from anywhere, using a desktop or mobile device.

Standalone Set-Up Wizard

KT-400 Standalone offers the ultimate simplicity in access control installation. Simply power up KT-400, connect to a web browser, follow the quick set-up configuration wizard and your four-door security is up and running in minutes.

Standalone Mode Parameters

Function	Limit
Cardholders	2,000 (1,000 with image/ 1,000 without image)
Door Access	Per door, per user
Card Families or Site Codes	Unlimited
Events	60,000 (Offline Mode)
Operators	2 (Installer, Operator)
Schedules	20 (5 intervals)
Holidays	25
Action Scheduler	100
Monitored Points (Inputs)	16
Auxiliary Outputs	12
Browsers	Safari, Google Chrome, Mozilla Firefox, Internet Explorer, Microsoft Edge
Mobile Operating Software	iOS, Android (No native app)
Integrations	Basic intrusion via relays
Upgrade Path	EntraPass/ hatrrix
Languages	English, French, Spanish, Italian
Firmware version	KT-400 Standalone version 2.03 and higher on KT-400rev1 (Subject to firmware upgrade fees)



KT-1

Ethernet-Ready One-Door Controller



Features That Make a Difference

- Configurable in two different modes: Provides advanced access control features when used with EntraPass Security Management Software or basic door security in Standalone Mode
- Single capacitive touch button for fast controller enrollment (EntraPass Security Management Software)
- Flexible power input – Power over Ethernet (PoE), PoE+ or 12 VDC
- Choose from single gang mount (KT-1) or cabinet mount (KT-1-PCB)* installation options
- End-to-end encryption using Kantech's ioSmart reader & smart card
- Compatible with EntraPass Security Management Software v6.02 or higher
- Cloudvue cloud-enabled product

The KT-1 Ethernet-ready one door controller supports two readers (entry and exit) and can be configured in three user friendly operational modes. Standalone Mode offers basic one door security using a simple web browser and without the need to connect to a host system; configure using Cloudvue for cloud-based access control or with the powerful EntraPass security management software to provide more advanced and fully integrated access control features.

KT-1 using EntraPass

Advanced and fully integrated access control

Using EntraPass software a single KT-1 Controller can control one door or can act as a 'head IP controller', linking together 31 additional controllers under one IP connection in EntraPass. This significantly reduces the amount of IP connections required to EntraPass and reduces programming time on the software, thus creating installation cost benefits and a highly scalable solution.

The power behind **your mission**



One Touch for Quick Connection to EntraPass

The KT-1 controller features a capacitive touch-sensitive button for plug and play installation. Simply provide an IP connection, push a single button and you're done. There is no need to manually enter MAC/Serial numbers. With its innovative single button programming, the KT-1 is automatically detected and enrolled onto the EntraPass security management software (v6.02 and higher). Quickly connect using Universal Plug and Play (UPnP) protocol allowing the controller to be network discoverable without requiring the IP address*.

With its Ethernet port for direct network connection, its Power over Ethernet capabilities and its unique single button programming, the KT-1 controller is up and running in just a few simple steps.



EntraPass web & go Mobile App

Combine the KT-1 controller with EntraPass security management software and the EntraPass web and go mobile applications to create an innovative solution that installs quickly, can be managed remotely and provides a superior user experience. Admin users can connect via a web browser or a dedicated app on their smart phone/tablet and manage common security tasks wherever they are.

Alarm Panel Integration

DSC MAXSYS, PowerSeries, PowerSeries Neo and PowerSeries Pro alarm panel data integration can be accomplished by connecting it to the KT-1 controller (KT-1-PCB model only). Using this controller; EntraPass Special, Corporate or Global Editions are able to receive intrusion events, view the status of zones and partitions, and program users' code. In addition the system can be armed/disarmed (single or multiple partitions) via the reader or manual operation from the workstation.

Encrypted and Efficient Network Communication

The KT-1 controller uses 128-bit AES encryption protect communication. It also acts as a polling device to ensure the controllers communicate with EntraPass only as required, thus reducing network traffic. Flexible options allow KT-1 to connect to EntraPass via:

- On-board IP (Ethernet) port
- RS-485 (COM1) port for communication between the EntraPass Gateway/ Kantech Network Communication Controller (KT-NCC) and KT-300/KT-400 door controllers.

*KT-1-PCB is available in Standalone Mode, need EntraPass Security Management Software for serial interface and DSC integration
*Universal Plug and Play (UPnP) feature available when KT-1 configured in either EntraPass Security Management Software or Standalone Mode

The power behind **your mission**



Multi-Technology Readers



Features That Make a Difference

- Reads over 12 different types of proximity cards and contactless smart cards including ioProx with Kantech XSF format¹
- Uses encryption and custom keys for secure transmission of card data
- Download new functionality or enhancements for a future-proof solution
- Optional keypad for two-factor verification
- Mount on metal with isolation spacer
- Indoor/outdoor use
- Built-in tamper switch provides secure installation
- Plug-in screw terminals reduce installation time
- Configurable Wiegand output
- Lifetime warranty

Single Reader Solution for Multiple Technologies

Kantech Multi-Technology Readers are one of the industry’s most versatile card readers with their ability to read serial numbers from multiple 13.56 MHz smart card technologies, MIFARE® encrypted sectors, and most of the common 125 KHz proximity cards including ioProx with Kantech XSF format – all with one reader. This cost-effective solution enables you to transition from proximity to smart cards over time or to utilize both smart cards and proximity cards concurrently in your facility.

Multi-Technology Readers are configurable to read encrypted MIFARE® sectors using standard or custom MIFARE read keys. These readers also feature a keypad model which outputs keypad commands and a PIN in 8-bit burst Wiegand data.

Important features such as a built-in tamper switch, two-piece connectors, and isolation spacers help reduce installation time. Coupled with robust environmental ratings and a lifetime warranty, Multi-Technology Readers are the clear choice for companies looking for a powerful, cost-effective way to use various card technologies.

⁽¹⁾ Reader continuously cycles between 125 KHz and 13.56 MHz and, depending on the frequency cycle when card is presented, the reader will either output the proximity card number or the unencrypted smart card serial number.

The power behind your mission



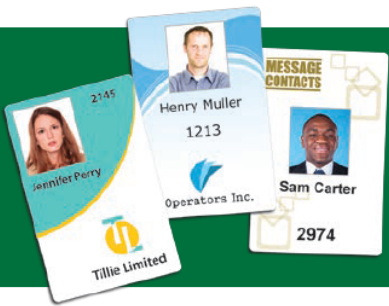
Specifications

Physical	
Model P345MTR	111 x 84 x 28 mm (4.37 x 3.31 x 1.10 in), single-gang
Model P345KPMTR	111 x 84 x 28 mm (4.37 x 3.31 x 1.10 in), single-gang with keypad
Minimum Wiring	Five conductors including one LED control line
Cable Recommendations	22 AWG [60 m (200 ft) max] or 18 AWG [150 m (500 ft) max], stranded
Wiring Terminations	Plug-in screw terminals
Color	Black
Accessories	European surface mount kit Isolation spacer
Environmental	
Environmental	UL listed for interior or exterior
Operating Temperature	-35° to 67°C (-31° to 151°F)
Humidity Range	0 to 100%
Index of Protection	IP65
Electrical	
Power Supply	9.4 to 16 VDC 125 mA max @ 12 VDC
Regulatory	
Agency Certifications	FCC Part 15, CE, UL 294 full outdoor
Compliance	ISO 14443A, ISO 14443B, ISO 15693
Operational	
Read Range	Up to 102 mm (4 in) depending on technology of card
Read Time	Technology dependent (typically <300 msec)
Programming and Format Information	
Wiring Connector Pinouts	Pin Description
	1..... Beeper
	2..... Ground
	3..... Power (9.4 to 16 VDC)
	4..... D1 Wiegand
	5..... D0 Wiegand
	6..... Reserved for future use
	7..... External green LED control
	8..... External red LED control
	9..... A – RS485 – used for flash upgrade
	10..... B – RS485 – used for flash upgrade
	11..... Tamper (normally closed)
	12..... Tamper (normally closed)
Card Technologies Supported	ioProx Kantech XSF, HID with Kantech Secured Format (KSF), HID proximity, CASI® ProxLite®, Deister proximity, ISO 14443A serial number, MIFARE® serial number, DESFire serial number, ISO 14443B serial number, ISO 15693 serial number, iCLASS® serial number, MIFARE sectors
Controller Communications	Wiegand

The power behind your mission



Card Printing Solutions



Kantech's badging printers produce colorful, durable photo cards. Our printers are simple to use and virtually maintenance free. We have bundled our printers together with a High Definition portable Webcam, ribbon cartridge and cleaning supplies to form a complete badging kit and to keep your printer running like new. Our solutions easily adapt to evolving security and printing needs.

	DTC4250e Card Printer	DTC4500e Card Printer	HDP5000 Card Printer
			
Overview and Key Features			
	The DTC4250e combines versatility with simplicity to easily print what you need. It is ideal for flexible, easy/reliable color printing and encoding. Its sleek design with changeable footprint can accommodate office environments where space is an issue. And a graphical display with easy-to-follow prompts ensures you'll always know printer status. Inline card printing and card encoding is accomplished using USB or optional Ethernet connectivity. The DTC4250e is ideal for medium-sized businesses, schools and governments seeking versatility in a convenient, professional and secure printer/encoder system.	The versatility of the DTC4500e is unsurpassed. Empowered by an extremely robust and highly-reliable print engine, this high-volume printer delivers speed, power and versatility rolled into one. High-capacity ribbons enable the DTC4500e to print twice as many full-color cards as most printers before the ribbon has to be changed. The DTC4500e combines high security and convenience to easily print what you need, including standard dual-input card hopper for increased capacity or management of multiple card types. And easy integration into existing IT infrastructures through the built-in Ethernet and USB connection, allowing for centralized or remote ID card issuance.	HDP5000 produces cards with superior print quality, higher reliability/durability and greater security. Taken together, these lower your total cost of ownership and make High Definition Printing available to practically any business. Uses a cartridge-based card handling system for faster reloading/card stock switching. By printing a reverse image on the underside of HDP Film, then fusing the film to the card surface, the HDP5000 creates an image quality that looks more like a sharp glossy photo than an ordinary ID badge. The cards are tamper-evident — if a counterfeiter tries to peel apart the layers, the image essentially destroys itself. USB and Ethernet connectivity is included, as is an internal print server for secure network printing.
Specifications Overview			
Print Method	Dye-Sublimation/Resin Thermal Transfer	Dye-Sublimation/Resin Thermal Transfer	HDP Dye-Sublimation/Resin Thermal Transfer
Resolution	300 dpi (11.8 dots/mm) continuous tone	300 dpi (11.8 dots/mm) continuous tone	300 dpi (11.8 dots/mm) continuous tone
Colors	Up to 16.7 million/256 shades per pixel	Up to 16.7 million/256 shades per pixel	Up to 16.7 million/256 shades per pixel
Approximate Print Speed	24 seconds per card (YMCKO*)	24 seconds per card (YMCKO*)	37 seconds per card (YMCK* with transfer and dual-sided, simultaneous lamination)
Accepted Standard Card Sizes	CR-80: 85.6 x 54 mm (3.370 x 2.125 in) and CR-79 Adhesive Back: 84.1 x 52.4 mm (3.313 x 2.063 in)	CR-80: 85.6 x 54 mm (3.370 x 2.125 in) and CR-79 Adhesive Back: 84.1 x 52.4 mm (3.313 x 2.063 in)	CR-80: 85.6 x 54 mm (3.370 x 2.125 in)
Accepted Card Thickness	.229 - 1.016 mm (.009 - .040 in)	Print Only: .229 - 1.016 mm (.009 - .040 in); Print/Lamination: .762 - 1.02 mm (.03 - .04 in)	Print only and Print/Lamination: .762 to 1.27 mm (.030 - .050 in)
Print Area	CR-80 edge-to-edge, CR-79: 83.8 x 51.8 mm (3.3 x 2.04 in)	CR-80 edge-to-edge CR-79: 83.8 x 51.8 mm (3.3 x 2.04 in)	CR-80 Over-the-edge
Software Drivers	Windows XP / Windows Vista (32 bit & 64 bit) / Server 2003 & 2008 / Windows 7 / Windows® 8 (32 bit & 64 bit) / MAC OS X 10.5/10.6/10.7/10.8 / Linux	Windows XP / Windows Vista (32 bit & 64 bit) / Server 2003 & 2008 / Windows 7 / Windows® 8 (32 bit & 64 bit) / MAC OS X 10.5/10.6/10.7/10.8 / Linux	Windows 2000/XP/Server 2003/Vista (32 & 64 bit)/7 (32 & 64 bit); Mac OS X v10.4/v10.5/Linux
Interface	USB 2.0, optional Ethernet with internal print server	USB 2.0 And Ethernet with internal print server	USB 2.0 And Ethernet with internal print server
Input Capacity	100 cards (.762 mm/.030 in) Hopper	Dual-Input Card Hopper (200 cards)	100 cards (.762 mm/.030 in) Cartridge
Output Hopper Card Capacity	Up to 100 cards (.762 mm/.030 in)	Up to 100 cards (.762 mm/.030 in)	200 cards (.762 mm/.030 in)

Plug and Play ID Photo Capture



Logitech HD Portable Webcam C615 with Autofocus takes dazzling 8MP photos that will be suitable for any photo badging needs. Auto Light Correction adjusts for dim and harsh lighting so that photos

look natural and shadow-free It has a 360-degree full motion rotational camera, has fold-and-go portability and includes a tripod-ready base. Compatible with EntraPass security management software.

Badging Solutions Selection Chart

Model Number	Description
Badging Kits	
BK-1-A	FA-52000 printer, ID-DIGCAM Logitech HD Portable Webcam, FA-45100 YMCKO* ribbon cartridge and FA-44260 cleaning rollers
BK-2-A	FA-52100 printer, ID-DIGCAM Logitech HD Portable Webcam, FA-45100 YMCKO* ribbon cartridge and FA-44260 cleaning rollers
BK-2BC-A	FA-52100 printer, ID-DIGCAM Logitech HD Portable Webcam, FA-45110 YMCKOK* ribbon cartridge and FA-44260 cleaning rollers
BK-2BCL-A	FA-55520 printer, ID-DIGCAM Logitech HD Portable Webcam, FA-45210 YMCKOK* ribbon cartridge, FA-47725 cleaning rollers and FA-82601 PolyGuard clear overlaminate.
Printers	
FA-52000	DTC4250e single-sided printer, USB 2.0 and Ethernet with internal print server, 100 card input hopper. Ribbon cartridge sold separately.
FA-52100	DTC4250e dual-sided printer, USB 2.0 and Ethernet with internal print server, 100 card input hopper. Ribbon cartridge sold separately.
FA-55520	DTC4500e dual-sided printer, USB 2.0 and Ethernet with internal print server, 200 card dual-input hopper, lamination module; and bar code printer. Ribbon cartridge sold separately.
FA-89003	HDP5000 dual-sided printer, USB 2.0 and Ethernet with internal print server, 100 card input cartridge. Ribbon cartridge sold separately.
Ribbon Cartridges	
FA-45100	For DTC4250e printer. YMCKO* print cartridge with cleaning roller, produces 250 imprints.
FA-45110	For DTC4250e printer. YMCKOK* print cartridge with cleaning roller, produces 200 imprints.
FA-45210	For DTC4250e printer. YMCKOK* print cartridge with cleaning roller, produces 500 imprints.
FA-84052	For HDP5000 printer. YMCKK*, produces 500 imprints. Must use with FA-84053 clear or FA-84054 holographic retransfer film.
FA-84057	For HDP5000 printer. YMCKI*, produces 500 imprints. Must use with FA-84053 clear or FA-84054 holographic retransfer film.
Cleaning Supplies	
FA-44260	For DTC4250e printer. Contains 3 cleaning rollers.
FA-47725	For DTC4500e printer. Contains 3 cleaning rollers.
FA-86177	For DTC4250e and DTC4500e printers. Contains 2 print head cleaning pens, 10 cleaning cards and 10 cleaning pads.
FA-89200	For HDP5000 printer. Contains 4 print head cleaning swabs, 10 cleaning cards, 10 cleaning pads and 3 alcohol cleaning cards.
Badging Accessories: Encoders, Consumables, Cables and Cameras	
FA-47709	ISO Magnetic Stripe encoder for DTC4250e and DTC4500e printer.
FA-82601	PolyGuard Overlaminate (1.0 Mil - Overlaminate Clear - 250 Count) for use with DTC4500e and HDP5000 printers.
FA-84053	Clear HDP retransfer film required for printing cards with HDP5000 printer. Yields 1,500 imprints.
FA-84054	High secure (prevents tampering and counterfeiting) orbit design holographic retransfer film required for printing (composite type only) cards with HDP5000 printer. Not for use with thermal transfer lamination. Yields 500 cards.
FA-81754	CR-80 size UltraCard 30mil PVC cards – package of 500 cards.
FA-85625	USB 2.0 high speed interface cable, 1.8 m (6 ft)
ID-DIGCAM	Logitech HD Portable Webcam with motorized tracking.

* Indicates the ribbon type and the number of ribbon panels printed where Y=Yellow, M=Magenta, C=Cyan, K=Resin Black, I=Inhibit, O = Overlay

Related Products



ioProx Proximity Cards



ioProx Proximity Readers



KT-400 4-Door Controller



EntraPass Security Management Software

Approvals



www.kantech.com



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Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative.

Security

Intrusion Detectors

PowerG Wireless Door/Window Contact in White or Brown (PGx303)

PowerG Wireless Door/Window Contact with Auxiliary Input, in White or Brown (PGx945)

PowerG Wireless Magnetic Contact with Auxiliary Input (PGx309)

PowerG Wireless Recessed Contact (PGx307)

PowerG Wireless Shock Detector (PGx935)

PowerG Wireless Glass Break Detector (PGx922)

PowerG Wireless 360° Ceiling-mount PIR Detector (PGx862)

PowerG Wireless 360° Long Range Ceiling-mount PIR Detector (PGx872)

PowerG Wireless Digital Pet-Immune PIR Motion Detector (PGx914)

PowerG Wireless Curtain PIR Motion Detector (PGx924)

PowerG Wireless PIR Motion Detector with Integrated Camera (PGx934P)

PowerG Wireless Mirror Optic PIR Motion Detector (PGx974P)

PowerG Wireless Dual Technology (PIR & MW) Motion Detector (PGx984P)

PowerG Wireless Outdoor Magnetic Contact with Auxiliary Input (PGx312)

PowerG Wireless Advanced Outdoor Curtain PIR Detector (PGx902)

PowerG Wireless Outdoor PIR Motion Detector with Integrated Camera (PGx944)

PowerG Wireless Outdoor PIR Motion Detector (PGx994)

Safety

Safety Sensors

PowerG Wireless Smoke & Heat Detector (PGx936)

PowerG Wireless CO Detector (PGx933)

PowerG Wireless Temperature Detector (PGx905)

PowerG Wireless Flood Detector (PGx985)

IQ Water Valve Kit (incl. 2 PowerG flood sensors) (IQWV908-KIT-PG)

Remote Control

Arming Devices & Panic Buttons

PowerG Wireless Panic Key (PG9938)

PowerG Wireless 2-Button Key (PG9949)

PowerG Wireless 4-Button Key (PG9939)

PowerG Wireless 4-Button Key (PG9929)

Mini Prox Tag MPT

Control

Keypads

PowerG Wireless Full Message LCD 2-Way Wire-Free Keypad with optional Prox Support and Voice Prompting (HS2LCDWF9 / HS2LCDWFP9 / HS2LCDWFPV9)

Full Message LCD Keypad with optional Prox Tag Support (HS2LCD / HS2LCDP)

ICON Hardwired Keypad with optional Prox Tag Support (HS2ICN / HS2ICNP)

PowerG Full Message LCD Keypad with Built-in Transceiver with optional Prox Support (HS2LCDF9 / HS2LCDFP9)

PowerG ICON Hardwired Keypad with Built-in Transceiver with optional Prox Support (HS2ICNRF9 / HS2ICNRF9P)

Hardwired Touchscreen Keypad 7 inch with Prox Support in Black or White (HS2TCHP / HS2TCHPBLK)

Sirens, Repeaters & Transceivers

Sirens, Repeaters & Transceivers

PowerG Wireless Indoor Siren (PG9901 BATT)

PowerG Wireless Outdoor Siren (PG9911 BATT)

PowerG Wireless Repeater (PG9920)

PowerG Host Transceiver Module (HSM2HOST9)

Communication

Communicators & Transmitters

Dual Path LTE/Internet Alarm Communicator compatible with ALARM.COM* (TL880LEAT/TL880LETL)

Dual Path LTE/Internet Alarm Communicator compatible with ALARM.COM* (TL880LTVZ)

LTE Cellular Alarm Communicator (optional serial connection for integration) (LE2080(R))

Internet and LTE Dual-path Alarm Communicator (optional serial connection for integration) (TL280LE(R))

Internet Alarm Communicator (optional serial connection for integration) (TL280(R)E)

Communicator Remote Mounting Module (PCL-422)

Module

Modules

Power Supply Module (HSM2300)

High Current Output Module (HSM2204)

Low Current Output Module (HSM2208)

Two-Way Audio Module (HSM2955(R))

8-Hardwired Zone Expander Module (HSM2108)

Support

Software Support

WebSA System Administrator Software

Routine System Management Software (RSM)

DLS 5 Downloading Software

Control Panels

6 to 128 zone control panel (HS2016 / HS2032 / HS2064E / HS2128E)

EntraPass DSC Intrusion Interface (PowerSeries, PowerSeries NEO & MAXSYS)



Features That Make a Difference:

- Seamless integration of EntraPass access control system and DSC intrusion systems
- High level two-way integration of DSC intrusion panels
- Multiple panels supported – PowerSeries, PowerSeries NEO & MAXSYS
- Integrated virtual DSC keypad used to remotely arm/disarm DSC panels
**Not available on NEO interface*
- DSC panels and sensor locations represented on graphical maps
- DSC intrusion alarms reported instantly on EntraPass
- Modify alarm panel user codes to/from EntraPass
- Intrusion events can trigger video recordings for fully integrated access, video and intrusion security management
- Compatible with EntraPass Special Edition, Corporate Edition & Global Edition software

Acting as the security management system (SMS), EntraPass can enable alarms from DSC intrusion detection systems to be fully integrated via the access control system.

Single User Interface

The interface(s) enable inputs from intrusion panels to be placed as icons on the EntraPass graphical maps user interface. This provides a single, graphical representation of the physical layout of intruder sensors and allows for central alarm monitoring of both access control and intrusion alarms via EntraPass. Using graphical maps, system operators can quickly identify an intrusion alarm and its exact location on site, allowing for fast response time. Combined with available CCTV integration, intrusion alarms can also be used to enable recorded video clips, creating one single, powerful user interface for access, intrusion and video.

Central Management & Reporting

Intrusion alarms are received, processed and reported on for central management on the EntraPass system. Operators can perform manual operations such as arm/disarm partitions, modify alarm panel user codes, as well as use access control readers to arm/disarm alarm panels. System operators can also schedule or run reports on intrusion events in conjunction with standard access control events.

Virtual Keypad

DSC PowerSeries and MAXSYS intrusion interfaces feature a virtual DSC keypad application. Designed as a user friendly tool, the virtual keypad has the same functions, navigations and emergency keys as the physical DSC intrusion panels. System operators can perform intrusion functions remotely from EntraPass, such as the arming/disarming of intrusion panels or acknowledging/cancelling alarms, without needing to physically attend the actual keypad location. The virtual keypad can also be used to generate emergency alarms such as the sounding the fire alarm. *Note: NEO Virtual Keypad offering not available at this time.*

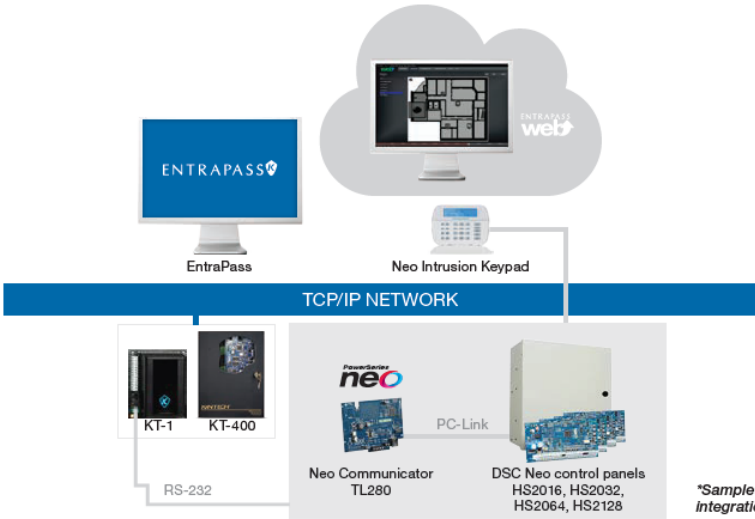
Intuitive Integration/ Configuration

A simplified, user friendly data integration process enables system administrators to integrate Kantech door controllers with DSC intrusion panels to perform day to day operations, arm/disarm partitions, view zone status on floor plans and view events. Using the EntraPass workstation software, intuitive integration is quickly achieved. Administrators simply define the intrusion panel model, the communication port and select the number of associated zones, partitions and users required. Alarms from DSC intrusion panels are then sent to the EntraPass system and associated controllers directly over serial RS232 connectivity.

System Requirements & Features Matrix

	DSC Intrusion Panel Type		
	PowerSeries (PC1616, PC1832, PC1864)	MaxySys (PC4020)	Neo (HS2016, HS2032, HS2064, HS2128)
Interface/Communicator required	Kantech KT-IT100 cable kit/ module	Kantech KT-4401VK cable kit/ module	DSC NEO Communicator (TL-280) & Kantech NEO cable kit (CBLK-ITV2)
Supporting Kantech controller	KT-1 (PCB), KT-400, KT-NCC	KT-1 (PCB), KT-400, KT-NCC	KT-1 (PCB), KT-400, KT-NCC
Panel to panel connection	Yes	Yes	Yes
Panel to gateway connection	Yes	Yes	Yes
Connection type	Serial	Serial	Serial
Manage user codes from EntraPass workstation	Yes	Yes	Yes
Uploading zone and partition labels	Yes	Yes	Yes
Receiving programming of the intrusion system	Yes	Yes	Yes
Real-time panel events received	Yes	Yes	Yes
View status of zones and partitions	Yes	Yes	Yes
Manual operations from EntraPass	Yes	Yes	Yes
Intrusion components on Maps workstation	Yes	Yes	Yes
Virtual Keypad	Yes	Yes	No
Arm and disarm partitions from EntraPass	Yes	Yes	Yes
Arm and disarm from ioProx reader	Yes	Yes	Yes
Bypass zones	No	Yes	Yes
Entrapass software support version	v4.03 & upwards	v4.04 & upwards	v6.03 & upwards

* All features above are fully available using EntraPass workstation software. Please note when using EntraPass web software certain restrictions apply.



*Sample diagram illustrating DSC PowerSeries NEO integration with EntraPass

Related Products



Approvals



www.kantech.com

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IX-DVM

Mullion Mount IP Video Door Station for the IX Series



DESCRIPTION

The IX-DVM mullion-mount IP video door station is weather and vandal resistant. The station contains a contactless call sensor for touchless call-in. The touchless sensor incorporates a Class 1 laser. The station connects to a network using Cat-5e/6 cable and is SIP compliant. The station is equipped with a 720p HD, wide dynamic range fixed color camera. The video can be streamed to third-party devices using ONVIF® Profile S or RTSP. Video can be captured on a microSD™ card.

The IX-DVM can be programmed to call up to 20 different stations with three different call level selections.

There is one contact output that can be used for door release, and one input that can be used to trigger an outgoing call or answer a call/page.

Sound files can be uploaded for custom messages to be played during certain functions (door release, call placed, communication start, error message, and more). The stations have audible and LED indicators for calling, communication, and door release.

FEATURES

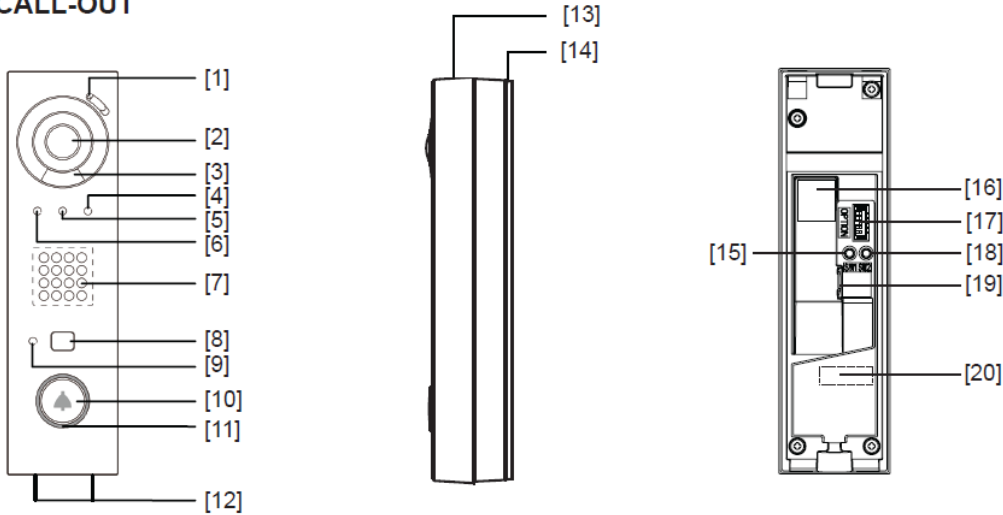
- Trade Agreements Act (TAA) compliant
- Manufactured in Japan
- Small form factor for mullion mounting
- Contactless call sensor
- SIP compliant
- 720p HD, wide dynamic range camera
- White LED for low light illumination
- ONVIF® Profile S compliant
- Slot for microSD™ card (not provided by Aiphone)
- One contact output
- One trigger input
- PoE (802.3af)



IX-DVM

Mullion Mount IP Video Door Station for the IX Series

FEATURE CALL-OUT



FEATURE CALL-OUT DEFINITIONS

- [1] Microphone
- [2] Camera
- [3] LED for low-light illumination
- [4] Door release indicator (green)
- [5] Communication indicator (orange)
- [6] Call indicator (green)
- [7] Speaker
- [8] Contactless call sensor
- [9] Sensor OFF indicator (red)
- [10] Call button
- [11] Status indicator ring (orange/blue)
- [12] Moisture drainage hole
- [13] Intercom station
- [14] Mounting frame
- [15] Reset button
- [16] LAN port
- [17] Option connector terminal.
- [18] Eject button for microSD™
- [19] Card slot for microSD™
- [20] MAC address sticker

SPECIFICATIONS

Power Source:	PoE (IEEE 802.3af class 0)
Power Draw:	4.6W max.
Camera:	720p HD, wide dynamic range
Camera angle:	Approx. 170° horizontal
Class 1 laser:	This product incorporates a Class 1 laser. (transmissions conform with IEC 60825-1:2014)
Relay Output	
Output Method:	Form C dry contact (N/O or N/C)
Contact Rating:	24V AC, 1A (resistive load) 24V DC, 1A (resistive load)
Audio Codec:	G.711 (μ-law, A law), G.722
Video Codec:	H.264/AVC, motion JPEG
Protocols:	IPv4, IPv6, TCP, UDP, SIP, HTTP, HTTPS, RTSP, RTP, RTCP, IGMP, MLD, SMTP, FTP, DHCP, NTP, DNS
Port Security:	IEEE 802.1X
UL Listed:	UL 62368-1 cUL 62368-1
Operating Temp:	-40° ~ 140°F (-40° ~ 60°C)
Protection:	IP54, IK07
Dimensions:	1-7/8" W x 1-5/16" L x 6-7/8" H



IX-MV7-HW-JP
TAA-Compliant IP Master Station



DESCRIPTION

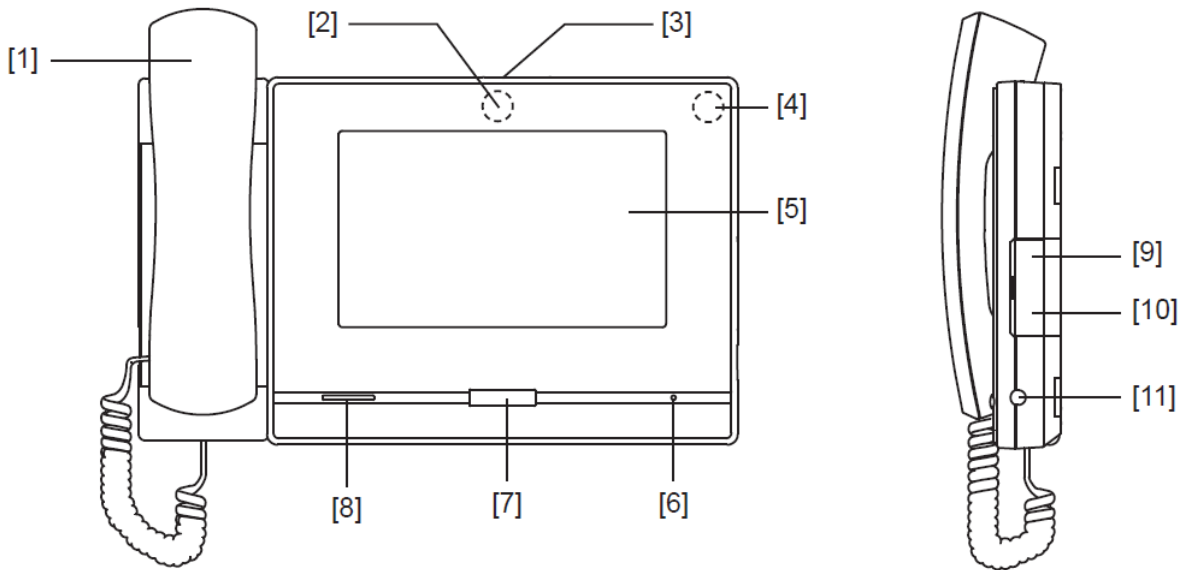
The IX-MV7-HW-JP is an IP video master station with a privacy handset and a 7" color touchscreen. The station is manufactured in Japan, meeting TAA compliance. It can be wall or desk mounted (desk stand included). The IX-MV7-HW-JP connects to a network using Cat-5e/6 cable and is SIP 2.0 compliant. Audio and video of active conversations can be captured and stored on a microSD™ card. Each master station has an address book of 500 stations and can monitor a single station or scan monitor stations within the address book. The master station offers line supervision and a scheduled device check of stations in its address book. It has the ability to page all stations or groups of stations and offers bell scheduling with up to 50 recurring events per day.

The master station has eight programmable speed dial buttons that can be used to call, page, monitor, or control a contact closure. It has a built-in camera with privacy shutter. The master station can view any intercom's camera, as well as an associated ONVIF® Profile S camera, by using the picture-in-picture function. It has the ability to release the door associated with the station that is in communication. Stations can be called from the directory or by directly dialing the station's number.

FEATURES

- Trade Agreements Act (TAA) compliant
- Manufactured in Japan
- 7" TFT color LCD touchscreen
- Fixed camera with privacy shutter
- SIP 2.0 compliant
- 500 station address book
- ONVIF® Profile S compliant
- Multi-angled desk stand (30°, 45°, 60°)
- Slot for microSD™ card (not provided by Aiphone)
- PoE (802.3af)
- Two contact outputs, four trigger inputs

IX-MV7-HW-JP
TAA Compliant IP Master Station
FEATURE CALL-OUT:



FEATURE CALL-OUT DEFINITIONS

- [1] Handset
- [2] Camera
- [3] Privacy shutter (on top)
- [4] Status indicator light (orange/blue)
- [5] 7" LCD touchscreen
- [6] Microphone
- [7] Home button
- [8] Speaker
- [9] Reset button (under door)
- [10] Slot for microSD™ card (under door)
- [11] 3.5mm stereo mini jack

SPECIFICATIONS

Power Source:	PoE (IEEE 802.3af class 0)
Power Draw:	4.32W
Camera:	1/3" CMOS 720p
Min. Illumination:	5 lux
Audio Codec:	G.711 (μ-law, A law), G.722
Video Codec:	H.264/AVC, motion JPEG
Protocols:	IPv4, IPv6, TCP, UDP, SIP, HTTP, HTTPS, RTSP, RTP, RTCP, IGMP, MLD, SMTP, FTP, DHCP, NTP
Port Security:	IEEE 802.1X
Operating Temp:	32° ~ 104°F (0° ~ 40°C)
Dimensions:	8-1/16" H x 11" W x 2-3/16" D



ACMCB Series

Power Supply/Chargers with Multi-Output Access Power Controllers

Rev. 12132021

Altronix ACMCB series distribute and switch power to access control systems and accessories. They convert a 115VAC, 60Hz input into eight (8) independently controlled 12VDC or 24VDC Class 2 Rated power-limited PTC protected outputs. Outputs are activated by an open collector sink or normally open (NO) dry trigger input from an Access Control System, Card Reader, Keypad, Push Button, PIR, etc. Units will route power to a variety of access control hardware devices including: Mag Locks, Electric Strikes, Magnetic Door Holders, etc. Outputs will operate in both Fail-Safe and/or Fail-Secure modes. The FACP Interface enables Emergency Egress, Alarm Monitoring, or may be used to trigger other auxiliary devices. The fire alarm disconnect feature is individually selectable for any or all of the eight (8) outputs.



Key Features

- Eight (8) independently controlled Fail-Safe and/or Fail-Secure power outputs
- Class 2 Rated power-limited PTC Protected Outputs (auto-resettable)
- Eight (8) auxiliary power outputs (unswitched)
- Output PTCs are rated @ 2.5A
- Filtered and electronically regulated outputs
- Supervision:
 - AC Fail
 - Battery Fail and Battery Presence
- Fire Alarm disconnect (latching or non-latching) is individually selectable for any or all of the eight (8) outputs
- Alarm output relay indicates that FACP input is triggered
- Fire Alarm disconnect input options:
 - a) Normally open (NO) or normally closed (NC) dry contact input
 - b) Polarity reversal input from FACP signaling circuit
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- UL Listed in the U.S. and Canada
- Lifetime Warranty

ACMCB Series Power Supply Configuration Reference Chart

Altronix Model Number	115VAC 60Hz Input Current Draw	12VDC Total Output Current	24VDC Total Output Current	Class 2 Rated PTC Protected Outputs (auto- resettable)	Individual Output Rating	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Batteries Accommodated by Enclosure
AL400ULACMCB	3.5A	4A	3A	8	2.5A	5A/250V	15A/32V	Up to two (2) 12AH / 12VDC
AL400ULACMCBJ								Up to two (2) 18AH / 12VDC
AL600ULACMCB	3.5A	6A	6A				—	Up to two (2) 12AH / 12VDC
AL600ULACMCBJ								Up to two (2) 18AH / 12VDC
AL1012ULACMCB	2.6A	10A	—			15A/32V	Up to two (2) 12AH / 12VDC	
AL1012ULACMCBJ							Up to two (2) 18AH / 12VDC	
AL1024ULACMCB	4.2A	—	10A				6.3A/250V	Up to two (2) 12AH / 12VDC
AL1024ULACMCBJ								Up to two (2) 18AH / 12VDC

Lifetime Warranty

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ACMCB Series

Power Supply/Chargers with Multi-Output Access Power Controllers

Specifications

- Input**
- Voltage 115VAC, 60Hz
 - Input Fuse Varies, see Reference Chart
- Outputs**
- Class 2 Rated power-limited PTC Protected Outputs (auto-resettable)
 - Voltage 12VDC or 24VDC, see Reference Chart
 - Current Varies, depending on the model
 - Protection PTC 2.5A
 - Auxiliary 3.5A (unswitched)
 - Other Overvoltage protection
Filtered and regulated outputs

- Back-up Battery** (*not included*)
- Capacity 12AH / 12VDC (1 or 2 within enclosure)
18AH / 12VDC (requires larger "J" enclosure)
40 AH / 65 AH (requires separate enclosure)
 - Type Sealed lead acid or gel type
 - Fuse Rating 15A @ 32VDC
AL600ULACMCB(J) does not have a battery fuse
 - Failover Upon AC loss, instantaneous

- Fire Alarm Disconnect**
- Latching or non-latching, individually selectable for any or all of the eight (8) outputs

- Supervision**
- AC Failure Form "C" contacts (rated 1A @ 28VDC)
 - Battery Form "C" contacts (rated 1A @ 28VDC)

- Indicators (LED)**
- Input 115VAC is present
 - DC Output Powered
 - Battery Discharged or not connected
 - Relays Individual LEDs indicate outputs are triggered (relays energized)
 - FACP Indicates FACP disconnect is triggered

- Agency Listings**
- All Models:**
- UL: UL294 Access Control System Units
 - cUL: CSA C22.2 No.205 Signal Equipment
- AL400ULACMCB(J), AL600ULACMCB(J) only:**
- CSFM California State Fire Marshall Approved

- Physical and Environmental**
- Enclosure Dimensions (H x W x D)**
- AL400ULACMCB, AL600ULACMCB, AL1012ULACMCB, and AL1024ULACMCB:
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm)
 - AL400ULACMCBJ, AL600ULACMCBJ, AL1012ULACMCBJ, and AL1024ULACMCBJ:
18" x 14.5" x 4.625" (457.2mm x 368.3mm x 117.48mm)
- Product Weight / Shipping (approx.)**

Model	Product Weight	Shipping Weight
AL400ULACMCB	10.7 lb. (4.85 kg)	12 lb. (5.44 kg)
AL400ULACMCBJ	14 lb. (6.35 kg)	15 lb. (6.8 kg)
AL600ULACMCB	10.3 lb. (4.67 kg)	11.6 lb. (5.26 kg)
AL600ULACMCBJ	14.85 lb. (6.74 kg)	17.1 lb. (7.76 kg)
AL1012ULACMCB	10.7 lb. (4.85 kg)	12 lb. (5.44 kg)
AL1012ULACMCBJ	14.1 lb. (6.40 kg)	15 lb. (6.80 kg)
AL1024ULACMCB	11.75 lb. (5.33 kg)	13.05 lb. (5.92 kg)
AL1024ULACMCBJ	14.9 lb. (6.76 kg)	16.1 lb. (7.3 kg)

- Temperature**
- Operating 0°C to 49°C (32°F to 120°F)
 - Storage -20°C to 70°C (-4°F to 158°F)
- Relative Humidity** 85% +/-5%
- BTU/Hr. (approx.):**
- | Model | 12VDC BTU/Hr. | 24VDC BTU/Hr. |
|------------------|---------------|---------------|
| AL400ULACMCB(J) | 25 | 37 |
| AL600ULACMCB(J) | 37 | 74 |
| AL1012ULACMCB(J) | 61 | N/A |
| AL1024ULACMCB(J) | N/A | 123 |

Lifetime Warranty

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