

Corporate Security Requirements: Electronic Security Package

Spring Valley Addition - Revision Date: 6/5/2025

Please reference drawing file:

5593 O&R SV Plans 2025 – 6 – Security Package

In addition to Construction Plans and General Notes as issued by SNS to supplement this package: This package is to reflect best practices and O&R Corporate Security requirements. All final technical specs and security plans must be Accepted by O&R Corporate Security and issued through an Approved Security Vendor.

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General Notes For Construction Coordination and Security Hardware/Equipment requirements:	
1.	All security devices, security door hardware and low voltage wiring for doors shall be furnished and installed by an O&R Approved Security Vendor.
2.	The Security Vendor shall provide shop drawings for approval prior to any work beginning and coordinate their work with the General Contractor.
3.	G.C. shall provide hardware and power to the security panel as required by the security consultant and shall comply with applicable code.
4.	Security Vendor shall furnish and install all security and electric door hardware as noted on drawings and door schedule. G.C. shall coordinate prior to start of work.
5.	G.C. shall coordinate scope of security work with client's security contractor. Security Contractor shall furnish and install all card readers, electric strikes, electric hinges and security devices. They shall modify existing hardware as required for security devices. Coordinate with plans and door hardware notes prior to start of work.
6.	G.C. shall provide and install the fire alarm relay for electronic locks and work with the clients Security Vendor to tie into building's fire alarm system.

Door Schedule – Card Access			
Legend	Floor	Door #	Description
CR-1	1	101	Card Reader Door – Verfiy locking hardware for double glass door. Fail Secure lock, double Door Contact sensors and Request-to-Exit sensor
CR-2	1	1ST01	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-3	1	102	Card Reader Door – Glass Door; Verify locking hardware. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
CR-4	1	101A	Card Reader Door – Fail Secure Lock in Al. door frame, Door Contact sensor and Request-to-Exit sensor
CR-5	1	1STE1	Card Reader Door – Fail Secure Lock with Storeroom function and built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
DC-1	1	1STE1A	Door Contact sensor. Egress only door
CR-6	1	ELE01	Elevator Card Reader floor lock out. GC to coordinate with the Elevator Vendor / Security Vendor on mounting specs and traveler cable connections
CR-7	1	107	Card Reader Door – Verify locking hardware for glass door in Al. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
DC-2	1	112	Door Contact Sensor with Horn/Strobe. Emergency Exit use only
CR-8	1	125	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress lever set/crash bar, electronic transfer hinge, second door egress only/pinned in place with double Door Contact sensors
CR-9	1	120	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-10	1	118A	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress lever set/crash bar, electronic transfer hinge, second door egress only/pinned in place with double Door Contact sensors
CR-11	1	118	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress lever set/crash bar, electronic transfer hinge, second door egress only/pinned in place with double Door Contact sensors
CR-12	1	ELE02	Elevator Card Reader floor lock out. GC to coordinate with the Elevator Vendor / Security Vendor on mounting specs and traveler cable connections
CR-13	1	1ST02	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
DC-3	1	1ST02A	Door Contact sensor. Egress only door
CR-14	1	120A	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-15	1	CAGE	Card Reader for IT Storage Cage. Lock, Contact Rex. Verify hardware

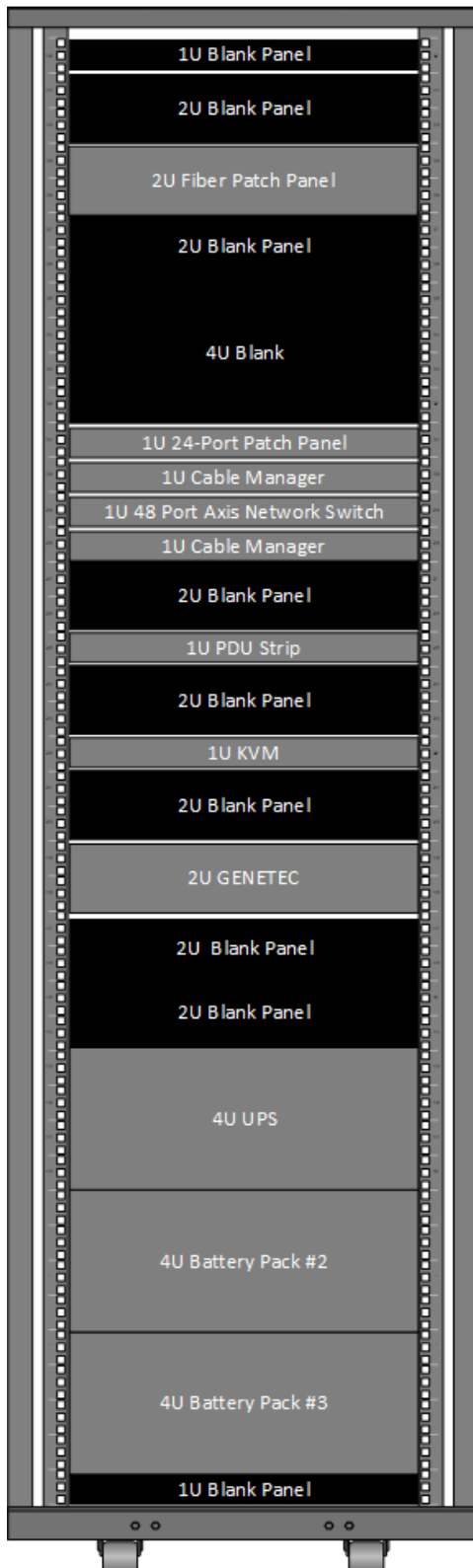
Door Schedule – Card Access Cont.			
Legend	Floor	Door #	
CR-16	2	2STE1	Card Reader Door – Fail Secure Lock with Storeroom function and built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-17	2	2ST01	Card Reader Door – Fail Secure Lock with Storeroom function and built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-18	2	202	Card Reader Door – Verify locking hardware for glass door in Al. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
CR-19	2	212	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-20	2	205	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-21	2	2ST02	Card Reader Door – Fail Secure Lock with Storeroom function and built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-22	3	3ST01	Card Reader Door – Fail Secure Lock with Storeroom function and built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor
CR-23	3	301	Card Reader Door – Verify locking hardware for glass door in Al. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
DC-04	3	303	Door Contact only
CR-24	3	308	Card Reader Door – Verify locking hardware for glass door in Al. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
CR-25	3	309	Card Reader Door – Verify locking hardware for glass door in Al. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
CR-26	3	312B	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set, electronic transfer hinge and door contact sensor
CR-27	3	313A	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set, electronic transfer hinge and door contact sensor
CR-28	3	313B	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set, electronic transfer hinge and door contact sensor
CR-29	3	314	Card Reader Door – Verify locking hardware for glass door in Al. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor

Door Schedule – Card Access Cont.			
Legend	Floor	Door #	
CR-30	3	315	Card Reader Door – Verify locking hardware for glass door in AL. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
CR-31	3	316	Card Reader Door – Verify locking hardware for glass door in AL. Partition. Fail Secure lock, Door Contact sensor and Request-to-Exit sensor
CR-32	3	317	Card Reader Door – Storeroom function Fail Secure lock, Door Contact sensor and Request-to-Exit sensor *If Glass paneling permits: Use transfer hinge and built in Lock/REX handset. **This would require pathway in door from manufacturer
CR-33	3	335	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set, electronic transfer hinge and door contact sensor
CR-34	3	328	Card Reader Door – Storeroom function Fail Secure lock with built in REX on egress side lever set, electronic transfer hinge and door contact sensor
CR-35	3	3ST02	Card Reader Door – Fail Secure Lock with Storeroom function and built in REX on egress side lever set/crash bar, electronic transfer hinge and door contact sensor

Security Equipment Schedule:	
Equipment	Description
Electronic Door Hardware & Cable	18/10c plenum cabling for - EL DC REX to be supplied by Security Vendor – Refer to “ Door Schedule ”
Honeywell - Signo 40 Switch plate reader & Cable	18/6c plenum cabling with Standard Card Reader to be supplied by Security Vendor – Refer to “ Door Schedule ”
Honeywell - Signo 20 Mullion reader & Cable	Mullion Size Card Reader where needed for applicable door types
Honeywell – PW 7000 Access control boards	Controllers and Reader Boards for ACPs sized accordingly for door count per floor.
Life Safety Power – Access Control Panel Enclosures	Enclosures for all ACP. To be sized accordingly to system size by Security Vendor. Locations MDF, IT Rooms 212 & 335 – Refer to “ ACP Schedule ”
Security Cameras	AXIS IP Network Cameras, Mounts and Intercom Stations to be spec’d by O&R Corp. Security and installed by Security Vendor – Refer to “ Camera Schedule ”
PoE Network Switches – Security LAN	Security Network LAN Switches to be spec’d by O&R Corp. Security and installed by Security Vendor
Security Rack and additional Rack Space	MDF Room 125 Rack to be spec’d and supplied by IT vendor. Additional Rack space allocated in IT Rooms 212 & 335 by IT Vendor
Security Rack Equipment	O&R Corp. Security to spec and Security Vendor to provide & install – Refer to “ Security Rack Schedule ”
GENETEC Stream Vault Archiver	Genetec Archiver spec’d to size to accommodate camera count and standard equipment model Coned spec
Genetec VMS & Camera Licenses	All Licenses and programming configurations as required to be added to the existing Directory Servers
Lynx PB Duress System	To be installed and programmed by security vendor. Locations to be field verified based on final furniture placement with GC. Cabling and Network reservation provided by IT

Security Rack Schedule:

Rack location and final layout to be coordinated with IT

Notes:

Exact model and dimensions determined by IT

Layout and Equipment based on final Equipment List

Security Rack to be provided by IT vendor located in MDF Room 125

Security Equipment Rack dedicated for O&R Corporate Security equipment space

Power and Hardware provided by others

Security Equipment provided by Security Vendor

Camera Schedule:			
Camera Locations shown on drawing provided by O&R Corporate Security: 5593 O&R SV Plans 2025.03.05-Security_Revisions_for_ElectronicSecurity_requirements-R1			
Cameras cabling shall connect back to the following locations: MDF Room 125 – Security Rack ; IT Room 212 – Security LAN Camera Switch ; IT Room 335 – Security LAN Camera Switch			
Legend	Floor	Type	Notes
IC-1	1	I8116-E	IP Intercom above CR1 at front doors
IC-2	1	I5304	IP Answering unit at lobby desk
CAM-1	1	M4327-P	Stairwell 1STE1 Camera; conduit back box mount
CAM-2	1	P3265-LVE	Outdoor Camera for Main Entrance; flush mount
CAM-3	1	P3748-PLVE	Lobby Panoramic 360 Camera
CAM-4	1	P9117-PV	Elevator 1 corner camera with steel cover
CAM-5	1	P3265-LV	CR7 camera; recessed mount
CAM-6	1	P3265-LV	CR8 camera; recessed mount
CAM-7	1	P3265-LV	CR9 / CR10 camera; recessed mount
CAM-8	1	P9117-PV	Elevator 2 corner camera with steel cover
CAM-9	1	P3265-LV	CR15 camera; mounting TBD based on storage room layout
CAM-10	1	P3265-LVE	Outdoor camera for CR/11ext. storage room door; flush mount
CAM-11	1	M4327-P	Stairwell 1ST02 Camera; conduit back box mount
CAM-12	1	P3265-LVE	Outdoor camera for CR14/ext. switch gear room; flush mount
CAM-13	2	M4327-P	Stairwell 2STE1 Camera; conduit back box mount
CAM-14	2	P3737-PLE	2nd floor Lobby camera; recessed mount
CAM-15	2	M4327-P	Stairwell 2ST01 Camera; conduit back box mount
CAM-16	2	P3265-LV	CR19 camera; recessed mount
CAM-17	2	P3265-LV	CR20 camera; recessed mount
CAM-18	2	M4327-P	Stairwell 2ST02 Camera; conduit back box mount
CAM-19	3	P3737-PLE	3rd floor Lobby camera; recessed mount
CAM-20	3	M4327-P	Stairwell 3ST01 Camera; conduit back box mount
CAM-21	3	P3265-LV	CR24/Corridor camera; recessed mount
CAM-22	3	P3265-LV	CR28/CR32 camera; recessed mount
CAM-23	3	P3265-LV	CR33 camera; recessed mount
CAM-24	3	P3265-LV	CR34 camera; recessed mount
CAM-25	3	M4327-P	Stairwell 3ST02 Camera; conduit back box mount
CAM-26	3	Q6020E/6075E	Exterior corner Quad with PTZ corner mount combo
CAM-27	3	Q6020E/6075E	Exterior corner Quad with PTZ corner mount combo
CAM-28	3	Q6020E/6075E	Exterior corner Quad with PTZ corner mount combo
CAM-29	3	Q6020E/6075E	Exterior corner Quad with PTZ corner mount combo
Notes: All camera models and final mounting locations to be verified by O&R Corp. Security All cameras to be cabled using CAT 6 plenum cable All camera cables to be labeled with approved nomenclature All camera to be terminated and certified with testing All cameras to be patched into dedicated security network switch All cameras to be programmed and field aimed accordingly			

Notes (continued):

All camera LAN switches to be installed and uplinked with SFP and LC Fiber Patch connections
All above work to be performed by the Approved Security Vendor as part of their scope of work
All camera models and specifications will be made final and available to the security vendor prior to bidding

ACP Schedule:

Access Control Panels to be wall mounted and installed in the following locations:
MDF Room 125, IT Room 212, IT Room 335

Electrical circuit is to include power and connections to accommodate a 120V/20A AC dedicated circuit that should be fed from a generator and/or UPS back up source – This shall be coordinated by the GC and provided by the Electrical Contractor

Notes:

All access control panel shall be the Life Safety Power enclosures with built in power supplies and control boards
All access control panels must be verified to handle the requirements of the Card Access system as laid out in this package
Shop Drawings and As-Builts shall be provided to O&R Corp. Security for approval prior to work starting
All low voltage conduits and raceways shall be sized accordingly and installed above each ACP to properly secure and route cabling
All access control hardware shall be Fail-Secure unless otherwise mentioned or approved/required for safety and code compliance
All fire alarm compliance and tie-ins shall be coordinated by the GC with the appropriate vendors
All elevator control compliance and tie-ins shall be coordinated by the GC with the appropriate vendors

Please reference the below manufacturer's spec sheet documentation for all construction considerations: