



FSU CHARTER SCHOOL ADA ACCESS CONTROLS

INVITATION FOR BID # PSPW-24-08

Issuance of Solicitation: Tuesday, November 12, 2024
Questions Due Date: Monday, November 25, 2024
Bid Submission Deadline: Tuesday, December 10, 2024

THE CITY OF PEMBROKE PINES
PROCUREMENT DEPARTMENT
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
(954) 518-9020



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SECTION 1 - NOTICE

Notice is hereby given that the City Commission of the City of Pembroke Pines is seeking sealed proposals for:

IFB # PSPW-24-08

FSU Charter School ADA Access Controls

Solicitations may be found on the City of Pembroke Pines website under the Procurement Department at <http://www.ppines.com/index.aspx?NID=667>, and may be downloaded directly from the OpenGov platform at <https://procurement.opengov.com/portal/pembrokepines>.

For Technical Support, proposers can reach the OpenGov Service Desk between 7:00 am to 10:00 pm from Monday through Friday via the following methods:

- Chat (preferred method): Click the button in the lower right-hand corner of the portal.
- E-mail: procurement-support@opengov.com
- Phone: 1 (650) 336-7167

If additional help is needed with downloading the solicitation package please contact the Procurement Department at (954) 518-9020 or by email at purchasing@ppines.com. The Procurement Department hours are between 7:00 am to 6:00 pm on Monday through Thursday and is located at 8300 S Palm Drive, Pembroke Pines, FL 33025.

Bidders shall submit all questions regarding this bid via the City's e-Procurement Portal, located at <https://procurement.opengov.com/portal/pembrokepines>. Please note the deadline for submitting questions. All answers will be posted on the City's e-Procurement Portal. Bidders may also click "Follow" on this bid to receive an email notification when answers are posted. It is the bidder's responsibility to check the portal for updates. Only written responses issued through the OpenGov platform will be considered official for interpretations or clarifications.

Proposals will be accepted until 2:00 pm on Tuesday, December 10, 2024, electronically at <https://procurement.opengov.com/portal/pembrokepines/projects/121832>.

Bid Opening: The sealed electronic proposals will be publicly opened at 2:30 pm, on the bid due date, by the City Clerk's Office, in the **City Clerk's Office Conference Room located on the 4th Floor in the Charles F. Dodge City Center**/City Hall Administration Building, located at 601 City Center Way, Pembroke Pines, Florida, 33025.

Virtual Bid Opening: In light of public health concerns and to ensure accessibility for all, the City encourages interested parties, vendors, and the public to participate virtually via live streaming instead of attending the meeting in person. As a result, meetings may be a combination of in-person and virtual, all as provided by law. To virtually attend the bid opening, please use the Cisco Webex Meetings platform.

**Virtual Meeting Details:**

- WebEx Meeting Link: <https://ppines.webex.com/meet/purchasing>
- Cisco Webex Meeting Number: 717 019 586
- Join by Phone Number: +1-408-418-9388

The public may download the **Cisco Webex Meetings app** from <https://www.webex.com/downloads.html/>.

To ensure an efficient meeting process, participants are requested to mute their audio and camera during the meeting. While the public is welcome to attend the virtual bid opening, **please note that active participation and commenting will not be allowed during the proceedings.**

For further information about the bid opening or assistance in accessing the virtual meeting, please contact:

Irene Munarriz or other Procurement Staff in the Procurement Department
City of Pembroke Pines
8300 South Palm Drive,
Pembroke Pines, FL 33025
(954) 518-9061 or 954-518-9020
purchasing@ppines.com



SECTION 2 - GENERAL PROJECT INFORMATION & TIMELINE

2.1 Project Timeline

The work shall be completed within **90** calendar days from issuance of the City's Notice to Proceed (NTP), with an estimated start date of **February 2025**.

2.2 Tentative Schedule of Events

Issuance of Solicitation (Posting Date):	November 12, 2024
Pre-Bid Meeting (Non-Mandatory):	November 19, 2024, 10:00am FSU Charter School, located at 601 SW 172 Ave, Pembroke Pines, FL 33029
Question Due Date:	November 25, 2024, 11:30pm
Issuance of Final Answers to Questions:	November 28, 2024
Bid Submission Deadline:	December 10, 2024, 2:00pm
Bid Opening:	Will be held at 2:30 pm on the day of bid submissions are due.
Evaluations by Staff:	December 2024 - January 2025
Recommendation of Contractor to City Commission for Award:	January 15, 2025
Issuance of Notice to Proceed (NTP):	January 27, 2025

2.3 Mandatory Pre-Bid Meeting/Site Visit

There will be a **MANDATORY** scheduled pre-bid meeting on **Tuesday, November 19, 2024 at 10:00 am**. Meeting location will be at the **FSU Charter School, located at 601 SW 172 Ave, Pembroke Pines, FL 33029**

- A. **Proof of Attendance:** Contractors may be required to sign in at any of the meetings to show proof of attendance. It is the vendor’s responsibility to make sure that they sign in at the meeting.



2.4 Follow-Up Pre-Bid Meeting(s)

Follow-Up Meetings: In the event that a contractor cannot attend the scheduled pre-bid meeting, or if a contractor would like a follow up visit to the site, they may request a site visit by contacting **Irene Munarriz** at **(954) 518-9061**. We urge all contractors to attend the scheduled meeting, as a separate or follow-up meeting may not be afforded to the requester due to scheduling and availability of staff to assist with any additional meetings. In addition, if making a request for a separate or follow-up meeting, contractors are urged to make these requests as early as possible.

2.5 Estimated Project Cost

\$50,000

2.6 Liquidated Damages

Liquidated damages for this project shall be **Five Hundred Dollars (\$500.00)** per day.

2.7 Grant/Federal Funding

Not applicable for this project.

2.8 Proposal Security/Bid Bond

A Proposal Security shall not be required for this project.

2.9 Payment and Performance Bonds

Payment and Performance Bonds shall not be required for this project.

2.10 Permit, License, Impact or Inspection Fees

With the exception of the City related permit, license, impact or inspection fees (including the Building Department and Engineering Department Permit Fees), which will be waived for this project, the City does not anticipate any additional permit, license, impact or inspection fees for this project. Any related State or County fees, for the aforementioned permits, will be paid by the City.

In addition, the City shall cover the cost for any other permit fees related to external entities through the City's Owner's Contingency for this project, **therefore proposers should not include permit costs in their total proposal price.**

Furthermore, please note the City's average time for a contractor to apply for and receive an approved permit is 30 days; delays in this timeline caused by the contractor's failure to actively monitor the permit process and submit all required documentation in a timely manner, will count against the project's contractual completion period.



SECTION 3 - PURPOSE AND BACKGROUND

3.1 Purpose

The City of Pembroke Pines is seeking bids from qualified firms, hereinafter referred to as the Contractor, to install five (5) Americans with Disabilities Act (ADA) access push buttons at the FSU Charter School Campus, located at 601 SW 172 Ave, Pembroke Pines, FL 33029, in accordance with the terms, conditions, and specifications contained in this solicitation.

ADA Access Controls at FSU are necessary to facilitate the day to day of several students and staff who are handicapped and need to transition from building to building.

3.2 Background

Pembroke Pines, Florida, ranked as the eleventh largest city among the state's four hundred plus municipalities and the second largest in Broward County, maintains a welcoming small-town ambiance that resonates with its residents. Located conveniently in southwest Broward County, the city provides seamless access to major highways, employment centers, entertainment venues, parks, golf courses, and a diverse array of dining and shopping options.

With a population of approximately 170,000 residents spread across 32.68 square miles, Pembroke Pines is renowned as one of the best cities to live in America. The city boasts 28 superior parks, lush landscaping, and a distinctive South Florida charm that contributes to its natural beauty. Notably recognized as 2024's Best Place to Raise a Family in Florida, and 2014's Best City of Hispanic Entrepreneurs by WalletHub, Pembroke Pines also earned a place as the on Money Magazine's esteemed Best Places to Live list in 2014, as the sole Florida representative, ranking in at #32 in the nation.

Incorporated in 1960, Pembroke Pines is celebrated as a safe and desirable community, having received accolades such as the All-America City designation. The city's commitment to arts and culture, exceptional schools, diverse population, numerous parks, and forward-thinking approach in an ever-evolving world make it a standout destination.

Pembroke Pines is also the home to the largest municipal-run charter school system in the nation, serving over 6,000 students across five separate campuses. The City's award-winning charter school system is located in the Broward County School District, which is the sixth largest school district in the nation.



SECTION 4 - SCOPE OF WORK

4.1 General Conditions

1. The contractor shall be solely responsible for verifying all existing dimensions, quantities, and job site conditions prior to submitting their bid.
2. Contractor will be required to schedule all work with the Project Manager.
3. The work must be performed Monday through Friday or as approved by the Project Manager (PM) to not interfere with ongoing facility operations.
4. Any use of existing parking areas shall be requested in advance.
5. Contractor's use of premises:
 - Contractor shall limit their use on the premises for work and storage, to allow for owner's occupancy.
 - Contractor shall coordinate use of premises under direction of Owner representative, assume full responsibility for the protection and safe-keeping of products under this contract stored on-site, and move any stored products under Contractor's control which interfere with operations of the owner.

4.2 Project Details

1. Supply and install five (5) new Lenel compatible ADA access push button openers on existing doors which shall include push buttons, automated door closer/opener, wiring for hardware and any other components necessary for a successful installation. Refer to Attachment H: FSU Charter School ADA Hardware List.
2. To maintain consistency and reliability, no deviations from the specified Lenel Access Control system, Schlage door readers, and other door hardware will be permitted. These components have been carefully chosen to meet the stringent security requirements of our facility and to integrate seamlessly with the City's existing system.
3. Demolish as required to accomplish work. All required demolition shall be included in the base cost submitted by the Contractor.
4. Supply any electrical work as needed to accomplish work.
5. The Contractor must ensure that security alarms and their related components remain fully functional at all times.
6. Contractor shall take proper care to protect and close off work area as required for normal facility operation.
7. Building may be in use during the demolition.
8. Repairs to existing exterior stucco as required.
9. All doors shall have the new assemblies installed before the end of each workday to ensure that building can be locked up.
10. Contractor is responsible for all repairs to included, but not limited to, wood, drywall, stucco, paint, polyurethane sealant, etc., associated with this project, and shall leave work areas in the same or better condition than they were originally.
11. The Contractor must clean all areas affected by work related to this project. All left over debris must be removed and disposed of by legal means daily. Property must be left in broom clean condition.



12. Contractor to work with City's Municipal Security Unit for new device integration onto existing software.
13. Contractor is responsible for acquiring permit(s) and calling in all necessary inspections.
14. Contractor to test all new hardware when work has been completed with City's PM to assure functionality of ADA hardware.

4.3 Location

Pembroke Pines FSU Charter School Campus

601 SW 172nd Avenue, Pembroke Pines, FL 33029



SECTION 5 - PRICE PROPOSAL / BID TABLE

The vendor must provide their pricing electronically through the designated line items listed on the Bid Sheet/Pricing Table via the City's e-Procurement portal on OpenGov.

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Lump Sum	1	EA		
TOTAL					



SECTION 6 - SUBMITTAL DOCUMENTS

Bids must be submitted electronically at <https://procurement.opengov.com/portal/pembrokepines> on or before **2:00 pm on Tuesday, December 10, 2024**. Please note vendors should be registered on OpenGov under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation. In addition, the vendor must complete the required documents in this section and provide any additional information requested throughout this solicitation. Any additional information requested in the solicitation should be scanned and uploaded. The City recommends for proposers to submit their proposals as soon as they are ready to do so. Please allow ample time to submit your proposals on the <https://procurement.opengov.com/portal/pembrokepines> website. Proposals may be modified or withdrawn prior to the deadline for submitting Proposals.

PLEASE DO NOT SUBMIT ANY PROPOSALS VIA MAIL, E-MAIL OR FAX.

Prospective proposers interested in responding to this solicitation are requested to provide all of the applicable information listed in this section. Submittals that do not respond completely to all of the requirements specified herein may be considered non-responsive and eliminated from the process. Brevity and clarity are encouraged.

1 CONFIRMATION TO BIND

1.1 I certify that I have read, understood and agree to the terms in this solicitation, and that I am authorized to submit this response on behalf of my company.*

Please confirm

*Response required

2 REFERENCE # 1

The minimum experience for this project is **five (5) years**. Provide specific examples of similar experience conducting licensed work of equal or similar scope of work, preferably delivered by the proposed team members. A **minimum of 3** references should be from the last **five years** and should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. As part of the proposal evaluation process, the City may conduct an investigation of references, including a record check or consumer affairs complaints. Proposers' submission of a proposal constitutes acknowledgment of the process and consent to investigate. The City is the sole judge in determining Proposers qualifications. In this section you will have the ability to enter information for 5 different references including their contact details and specific project information.

Please note that the City prefers references who are not current employees of the City of Pembroke Pines, as we generally do not contact our own employees for reference checks.

Proposers are advised to confirm that:

- A. Each reference provided by the Respondent has up to date contact persons and contact information;



- B. The contact person provided for each reference is someone who has personal knowledge of the Proposer's performance during the referenced project; and
- C. The contact person for each reference has been contacted by the Proposer regarding this specific bid submittal and such person confirmed their willingness to serve as a reference.

2.1 Reference Contact Information - Name of Firm, City, County or Agency*
*Response required

2.2 Reference Contact Information - Reference's Business Address*
*Response required

2.3 Reference Contact Information - Reference's Contact Name & Title*
*Response required

2.4 Reference Contact Information - Reference's E-mail Address*
*Response required

2.5 Reference Contact Information - Reference's Phone Number*
*Response required

2.6 Project Information - Was your firm the prime contractor for the listed project?*

Yes

No

*Response required

2.7 Project Information - Name of Contactor Performing the Work*
*Response required

2.8 Project Information - Name and location of the project*
*Response required

2.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for*
*Response required

2.10 Project Information - Project Duration*
*Response required

2.11 Project Information - Completion (Anticipated) Date*
*Response required

2.12 Project Information - Size of Project*
*Response required

2.13 Project Information - Cost of Project*
*Response required

3 REFERENCE # 2



- 3.1 Reference Contact Information - Name of Firm, City, County or Agency*
*Response required
- 3.2 Reference Contact Information - Reference's Business Address*
*Response required
- 3.3 Reference Contact Information - Reference's Contact Name & Title*
*Response required
- 3.4 Reference Contact Information - Reference's E-mail Address*
*Response required
- 3.5 Reference Contact Information - Reference's Phone Number*
*Response required
- 3.6 Project Information - Was your firm the prime contractor for the listed project?*
- Yes
- No
- *Response required
- 3.7 Project Information - Name of Contactor Performing the Work*
*Response required
- 3.8 Project Information - Name and location of the project*
*Response required
- 3.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for*
*Response required
- 3.10 Project Information - Project Duration*
*Response required
- 3.11 Project Information - Completion (Anticipated) Date*
*Response required
- 3.12 Project Information - Size of Project*
*Response required
- 3.13 Project Information - Cost of Project*
*Response required

4 REFERENCE # 3

- 4.1 Reference Contact Information - Name of Firm, City, County or Agency*
*Response required
- 4.2 Reference Contact Information - Reference's Business Address*
*Response required



4.3 Reference Contact Information - Reference's Contact Name & Title*
*Response required

4.4 Reference Contact Information - Reference's E-mail Address*
*Response required

4.5 Reference Contact Information - Reference's Phone Number*
*Response required

4.6 Project Information - Was your firm the prime contractor for the listed project?*

Yes

No

*Response required

4.7 Project Information - Name of Contactor Performing the Work*
*Response required

4.8 Project Information - Name and location of the project*
*Response required

4.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for*
*Response required

4.10 Project Information - Project Duration*
*Response required

4.11 Project Information - Completion (Anticipated) Date*
*Response required

4.12 Project Information - Size of Project*
*Response required

4.13 Project Information - Cost of Project*
*Response required

5 REFERENCE # 4

5.1 Reference Contact Information - Name of Firm, City, County or Agency

5.2 Reference Contact Information - Reference's Business Address

5.3 Reference Contact Information - Reference's Contact Name & Title

5.4 Reference Contact Information - Reference's E-mail Address

5.5 Reference Contact Information - Reference's Phone Number

5.6 Project Information - Was your firm the prime contractor for the listed project?

Yes

No



- 5.7 Project Information - Name of Contactor Performing the Work
- 5.8 Project Information - Name and location of the project
- 5.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for
- 5.10 Project Information - Project Duration
- 5.11 Project Information - Completion (Anticipated) Date
- 5.12 Project Information - Size of Project
- 5.13 Project Information - Cost of Project

6 REFERENCE # 5

- 6.1 Reference Contact Information - Name of Firm, City, County or Agency
- 6.2 Reference Contact Information - Reference's Business Address
- 6.3 Reference Contact Information - Reference's Contact Name & Title
- 6.4 Reference Contact Information - Reference's E-mail Address
- 6.5 Reference Contact Information - Reference's Phone Number
- 6.6 Project Information - Was your firm the prime contractor for the listed project?

Yes

No

- 6.7 Project Information - Name of Contactor Performing the Work
- 6.8 Project Information - Name and location of the project
- 6.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for
- 6.10 Project Information - Project Duration
- 6.11 Project Information - Completion (Anticipated) Date
- 6.12 Project Information - Size of Project
- 6.13 Project Information - Cost of Project

7 PROJECT DOCUMENTS

- 7.1 PROPOSERS BACKGROUND INFORMATION FORM*
- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Proposers Background Inform...](#)

*Response required

8 STANDARD DOCUMENTS



The following documents are standard documents that the City generally requires for every solicitation. As a result, we recommend vendors to keep these documents updated and readily available so that they can be easily uploaded for each project that the vendor would like to participate in. In the event that the City does not have one of the forms or documents listed below for your company, the City may reach out to your company after the bid has closed to obtain the document(s).

8.1 NON-COLLUSIVE AFFIDAVIT*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Non-Collusive Affidavit.pdf](#)

*Response required

8.2 SWORN STATEMENT ON PUBLIC ENTITY CRIMES FORM*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Sworn Statement on Public E...](#)

*Response required

8.3 EQUAL BENEFITS CERTIFICATION FORM*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Equal Benefits Certificatio...](#)

*Response required

8.4 VENDOR DRUG FREE WORKPLACE CERTIFICATION*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Vendor Drug-Free Workplace ...](#)

*Response required

8.5 SCRUTINIZED COMPANY CERTIFICATION*

- a. Please download the attached document, complete all required fields, and upload the completed form here.

- [Scrutinized Company Certifi...](#)

*Response required



8.6 E-VERIFY SYSTEM CERTIFICATION*

- a. Please download the attached document, complete all required fields, and upload the completed form here.
 - b. Effective January 1, 2021, pursuant to Section 448.095, Florida Statutes, the City may not enter into a contract with a vendor/contractor/subcontractor unless that vendor/contractor/subcontractor is registered with and uses the E-Verify system administered by the U.S. Department of Homeland Security (“DHS”).
 - c. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract.
- [E-Verify System Certificati...](#)

*Response required

8.7 ANTI-HUMAN TRAFFICKING AFFIDAVIT*

- a. Please download the attached document, complete all required fields, and upload the completed form here.
- [Anti-Human Trafficking Affi...](#)

*Response required

9 OPTIONAL DOCUMENTATION

9.1 TRADE SECRETS

- a. The Proposer’s response to this solicitation is a public record pursuant to Florida law, which is subject to disclosure by the City under the State of Florida Public Records Law, Florida Statutes Chapter 119.07 (“Public Records Law”). The City shall permit public access to all documents, papers, letters or other material submitted in connection with this solicitation and the Contract to be executed for this solicitation, subject to the provisions of Chapter 119.07 of the Florida Statutes.
- b. Any language contained in the Proposer’s response to the solicitation purporting to require confidentiality of any portion of the Proposer’s response to the solicitation, except to the extent that certain information is in the City’s opinion a Trade Secret pursuant to Florida law, shall be void. If a Proposer submits any documents or other information to the City which the Proposer claims is Trade Secret information and exempt from Florida Statutes Chapter 119.07 (“Public Records Laws”), the Proposer shall clearly designate that it is a Trade Secret and that it is asserting that the document or information is exempt. The Proposer must specifically identify the exemption being claimed under Florida Statutes 119.07. The City shall be the final



arbiter of whether any information contained in the Proposer's response to the solicitation constitutes a Trade Secret.

- c. EXCEPT FOR CLEARLY MARKED PORTIONS THAT ARE BONA FIDE TRADE SECRETS PURSUANT TO FLORIDA LAW, DO NOT MARK YOUR RESPONSE TO THE SOLICITATION AS PROPRIETARY OR CONFIDENTIAL. DO NOT MARK YOUR RESPONSE TO THE SOLICITATION OR ANY PART THEREOF AS COPYRIGHTED. ALL DOCUMENTS THAT THE FIRM PURPORTS TO BE CONFIDENTIAL, PROPRIETARY OR A TRADE SECRET SHALL BE UPLOADED TO THE OPENGOV WEBSITE AS A SEPARATE ATTACHMENT, IN THIS SECTION, CLEARLY IDENTIFYING THE EXEMPTION BEING CLAIMED UNDER FLORIDA STATUTES 119.07.
- d. The city's determination of whether an exemption applies shall be final, and the proposer agrees to defend, indemnify, and hold harmless the city and the city's officers, employees, and agent, against any loss or damages incurred by any person or entity as a result of the city's treatment of records as public records.

9.2 FINANCIAL STATEMENTS

- a. The City is **NOT** requesting the vendor to submit any financial statements for this project and prefers if the vendor does not submit financial statements. In addition, if the City needs a copy of the vendor's financial statements, the City can contact the vendor after the bid due date to request those documents. However, if the vendor does submit the financial statements, they should be uploaded in this section.
- b. Any claim of confidentiality on financial statements must be asserted at the time of submittal. The firm must identify the specific statute that authorizes the exemption from the Public Records Law. Please note that the financial statement exemption provided for in Section 119.071(1)c, Florida Statutes only applies to submittals in response to a solicitation for a "public works" project.

9.3 ALTERNATIVES

- a. If you are submitting an alternative product, please upload any related information in this section (such as specification sheets, etc.).
- b. In addition, pursuant to the "**Brand Names**" Section included in the [GENERAL TERMS AND CONDITIONS](#) Section if and wherever in the specifications a brand name, make, name of manufacturer, trade name, or vendor catalog number is mentioned, it is for the purpose of establishing a grade or quality of material only. Since the City does not wish to rule out other competition and equal brands or makes, the phrase "OR EQUAL" is added. However, if a product other than that specified is bid, Proposers shall indicate on their proposal and clearly state the



proposed substitution and deviation. It is the vendor's responsibility to provide any necessary documentation and samples within their bid submittal to prove that the product is equal to that specified. Such samples are to be furnished before the date of bid opening, unless otherwise specified. Additional evidence in the form of documentation and samples may be requested if the proposed brand is other than that specified. The City retains the right to determine if the proposed brand shall be considered as an approved equivalent or not.

9.4 **ADDITIONAL INFORMATION**

- a. Please provide any additional information that you deem necessary to complete your proposal in this section, if it has not been requested in another section.

9.5 **PROFESSIONAL LICENSES**

- a. If applicable, please upload any professional licenses that may be required to perform the services outlined in the solicitation. The following licensing requirements shall apply when the applicable Florida statute mandates specific licensing for Contractors engaged in the type of work covered by this solicitation.
- i. State of Florida, Department of Professional Regulation, Construction Industries Licensing Board and licensed by other federal, state, regional, county or municipal agencies having jurisdiction over the specified construction work.
 - ii. Said licenses shall be in the Firm's name as it appears on the OpenGov registration and as appropriately registered with the applicable licensing entity. Proposer shall supply appropriate license numbers, with expiration dates, as part of their bid. Failure to hold and provide proof of proper licensing, certification and registration may be grounds for rejection of the bid.
 - iii. Subcontractors contracted by the Prime Contractor shall be licensed in their respective fields to obtain construction permits as necessary. Said licenses must be in the name of the subcontractor.

10 VENDOR CLASSIFICATION

- 10.1 Is your firm a Local Pembroke Pines Vendor (LPPV) and Local Broward County Vendor (LBCV)?*
- a. The evaluation of competitive bids is subject to section 35.36 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to local businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with either of the following objective criteria as of the bid or proposal submission date stated in the solicitation. A local business shall be defined as:



- i. **"Local Pembroke Pines Vendor"** shall mean a business entity which has maintained a permanent place of business with full-time employees within the City limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the City of Pembroke Pines, **OR**;
 - ii. **"Local Broward County Vendor"** shall mean or business entity which has maintained a permanent place of business with full-time employees within the Broward County limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the Broward County or the city within Broward County where the business resides.
- b. A preference of five percent (5%) of the total evaluation point, or five percent (5%) of the total price, shall be given to the Local Pembroke Pines Vendor(s); A preference of two and a half percent (2.5%) of the total evaluation point for local, or two and a half percent (2.5%) of the total price, shall be given to the Local Broward County Vendor(s).

Yes

No

*Response required

When equals "Yes"

10.1.1 Please indicate your Local Vendor Status*

Local Pembroke Pines Vendor (LPPV)

Local Broward County Vendor (LBCV)

*Response required

When equals "Yes"

10.1.2 Local Vendor Preference Certification*

- i. Please download the attached document, complete all required fields, and upload the completed form here.

- [Local Vendor Preference Cer...](#)



*Response required

When equals "Yes"

10.1.3 Local Business Tax Receipts*

- i. If claiming Local Vendor Preference, please upload any previous business tax receipts to indicate that the business entity has maintained a permanent place of business for a minimum of one (1) year.

*Response required

10.2 Is your firm a Veteran Owned Small Business (VOSB)?*

- a. The evaluation of competitive bids is subject to section 35.37 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to veteran owned small businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with the following objective criteria as of the bid or proposal submission date stated in the solicitation. A veteran owned small business shall be defined as:
 - i. **"Veteran Owned Small Business"** shall mean a business entity which has received a "Determination Letter" from the United States Department of Veteran Affairs Center for Verification and Evaluation notifying the business that they have been approved as a Veteran Owned Small Business (VOSB).
- b. A preference of two and a half percent (2.5%) of the total evaluation point, or two and a half percent (2.5%) of the total price, shall be given to the Veteran Owned Small Business (VOSB).

Yes

No

*Response required

When equals "Yes"

10.2.1 Determination Letter from the United States Department of Veteran Affairs Center*

- i. If claiming Veteran Owned Small Business Preference Certification, business must attach the "Determination Letter" from the United States Department of Veteran Affairs Center for Verification and Evaluation notifying the business that they have been approved as a Veteran Owned Small Business (VOSB).

*Response required



10.3 Is your firm a Minority-Owned Business Enterprise (MBE)?*

- Yes
 No

*Response required

When equals "Yes"

10.3.1 Please indicate the classification of your Minority-Owned Business Enterprise (MBE)*

Select all that apply

- African-American MBE
 Asian-American MBE
 Hispanic-American MBE
 Native-American MBE
 Other option not listed above

*Response required

When equals "Yes"

10.3.2 MBE Certification Documentation*

- i. Upload your MBE Certification Documentation here, preferably with the State of Florida's Office of Supplier Diversity. If you have multiple MBE certifications, please combine them into one (1) document and upload.

*Response required

10.4 Is your firm a Woman-Owned Business Enterprise (WBE)?*

- Yes
 No

*Response required

When equals "Yes"

10.4.1 WMBE Certification Documentation*

- i. Upload your WMBE Certification Documentation here, preferably with the State of Florida's Office of Supplier Diversity. If you have multiple WMBE certifications, please combine them into one (1) document and upload.

*Response required



10.5 Is your firm a HubZone Business / Labor Surplus Area Firm?*

Yes

No

*Response required

When equals "Yes"

10.5.1 HubZone Business / Labor Surplus Area Firm Certification Documentation*

- i. Upload your HubZone Business / Labor Surplus Area Firm Certification Documentation, preferably with the U.S. Small Business Administration (SBA). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

10.6 Is your firm a Broward County Small Business Enterprise (SBE)?*

Yes

No

*Response required

When equals "Yes"

10.6.1 SBE Certification Documentation*

- i. Upload your SBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

10.7 Is your firm a Broward County Business Enterprise (CBE)?*

Yes

No

*Response required

When equals "Yes"

10.7.1 CBE Certification Documentation*

- i. Upload your CBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required



10.8 Is your firm a Broward County Disadvantaged Business Enterprise (DBE)?*

Yes

No

*Response required

When equals "Yes"

10.8.1 DBE Certification Documentation*

- i. Upload your DBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

10.9 Does your firm have a Vendor Classification that was not listed above?*

Yes

No

*Response required

When equals "Yes"

10.9.1 Other Vendor Classification Certification Documentation*

- i. Upload your other Certification Documentation here. If you have multiple certifications, please combine them into one (1) document and upload.

*Response required



SECTION 7 - EVALUATION OF PROPOSALS & PROCESS SELECTION

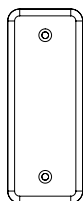
7.1 Qualifying & Selecting Firms

- A. Staff will evaluate all responsive proposals received from proposers who meet or exceed the bid requirements contained in the solicitation. Evaluations shall be based upon the information and references contained in the proposals as submitted.
- B. Staff will make a recommendation to the City Commission for award of contract.
- C. The contract shall be awarded to the most responsive/responsible bidder whose bid is determined to be the most advantageous to the City taking into consideration the evaluation criteria.

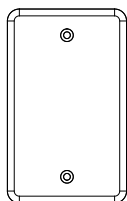


8310-813 TOUCHLESS ACUTATORS

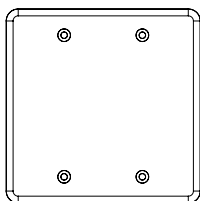
Touchless-activation switch for automatic doors



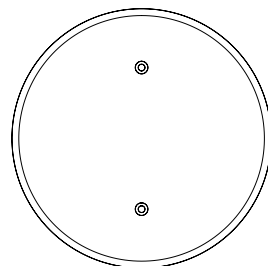
JAMB



SINGLE-GANG



DOUBLE-GANG



6" ROUND

TECHNICAL SPECIFICATIONS

Technology:	microwave motion sensor
Radiated frequency:	24.125 GHz
Radiated power density:	< 5 mW/cm ²
Supply voltage: <i>to be operated from SELV-compatible power supplies only</i>	12 – 24 VAC ±10% 12 – 24 VDC +30% / -10%
Supply frequency:	50 – 60 Hz
Power consumption:	< 1.5W
Output relay contact rating (max. voltage): relay contact rating (max. current): Max. switching power:	relay with switch-over contact (voltage-free) 60 VDC / 125 VAC 1A (resistive) 30W DC / 60 VAC
Detection range:	4 – 24" (adjustable)
Detection mode:	motion (bidirectional)
Output hold time:	0.5 – 30 sec
Temperature range:	-4 – 131 °F (-20 – 55 °C)
Weight:	0.34 lbs
Material:	PC, PE
IP rating:	IP54
Certification:	Electromagnetic compatibility (EMC) according to 2004/108/EC FCC: G9B-210161 IC: 4680A-210161

*Specifications are subject to change without prior notice.
All values measured in specific conditions.*

FCC APPROVAL

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

*this device may not cause harmful interference, and

*this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

*Reorient or relocate the receiving antenna

*Increase the separation between the equipment and receiver

*Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

*Consult the dealer or an experienced radio/TV technician for help

WARNING: CHANGES OR MODIFICATIONS TO THIS EQUIPMENT NOT EXPRESSLY APPROVED BY BEA INC. MAY VOID THE FCC AUTHORIZATION TO OPERATE THIS EQUIPMENT.

PRECAUTIONS

- ❑ Shut off all power going to header before attempting any wiring procedures.
- ❑ Maintain a clean and safe environment when working in public areas.
- ❑ Constantly be aware of pedestrian traffic around the door area.
- ❑ Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- ❑ *ESD (electrostatic discharge):* Circuit boards are vulnerable to damage by electrostatic discharge. Before handling any board, ensure you dissipate your body's ESD charge.
- ❑ Always check placement of all wiring before powering up to ensure that moving door parts will not catch any wires and cause damage to equipment.
- ❑ Ensure compliance with all applicable safety standards (i.e. ANSI A156.10) upon completion of installation.
- ❑ DO NOT attempt any internal repair of the components. All repairs and/or component replacements must be performed by BEA, Inc. Unauthorized disassembly or repair:
 1. May jeopardize personal safety and may expose one to the risk of electrical shock.
 2. May adversely affect the safe and reliable performance of the product resulting in a voided warranty.

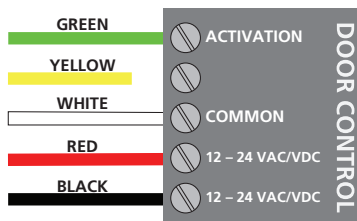
INSTALLATION TIPS

- ✓ When wiring multiple devices together to create a system configuration, it is best to ensure that each device works independently. This will reduce troubleshooting if a discrepancy occurs.
- ✓ Prior to installing any equipment in either new or existing circuits, verify correct line voltage and line stability. Always remember to shut off the power before performing circuit wiring.
- ✓ Do not place the sensor in the door's opening range, where the sensor may see door movement.
- ✓ Do not place moving objects in front of the sensor.

1 WIRING

Wire the 8310-813 to the door control according to the diagram shown here.

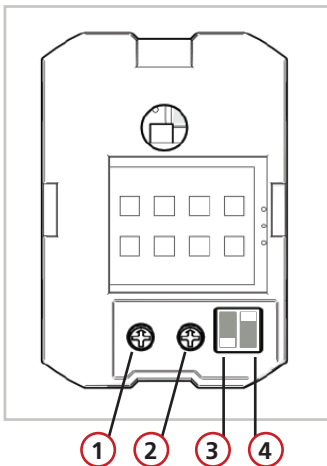
NOTE: Use only green (N.O.) wire.



2 SET-UP

Four adjustments can be made to the sensor:

- 1 **Sensitivity potentiometer:** adjust detection field from 4 to 24 inches (rotate clockwise to increase)
factory default: 4 inches (fully CCW)
- 2 **Hold time potentiometer:** adjust relay hold time from 0.5 to 30 seconds (rotate clockwise to increase)
factory default: 0.5 sec (fully CCW)
- 3 **Output Mode switch:** determines Toggle mode or Timer mode
 - Toggle (switch up) = detection activates the relay and the relay holds until a second detection deactivates the relay (recommended for switch applications)
 - Timer (switch down, factory default) = detection activates the relay for 0.5 to 30 seconds; relay will hold as long as detection occurs
- 4 **LED mode switch:** determines if LED illuminates when in detection or when not in detection
 - switch up (factory default) = LED on when sensor is NOT in detection, LED off when in detection
 - switch down = LED on when sensor is in detection, LED off when not in detection



3 INSTALLATION

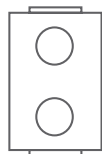
1. Install an electrical box.



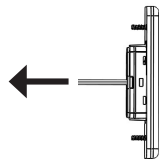
If using a metal electrical box, ensure that the sensor does not come in contact with the box to avoid shorting the unit.

2. Clip the 8310-813 cube to the face plate.
3. Secure the face plate to the electrical box with the provided screws.

Depending on the door installation, the weather-resistant foam gasket may be used.



gang box
(metal/plastic)



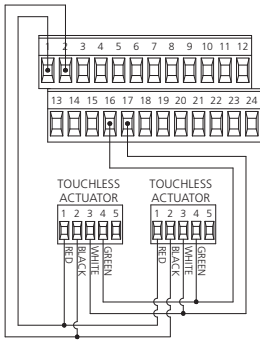
8310-813
assembly

TROUBLESHOOTING

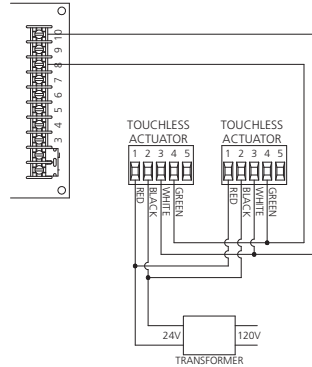
Door does not open when swiping hand in front of sensor	Bad or no power	Check power supply. If LED switches on or flashes, power connections are okay.
	Detection range too short	Adjust detection zone. Remove any metal plates in front of sensor.
	Incorrect wiring/connection	Check wiring and relay connection.
Sensor stays in detection	Environmental conditions influencing sensor	Remove moving objects from around sensor.
	Wrong output mode	Switch output mode to Timer.
Door remains open after detection/activation	Wrong output mode	Switch output mode to Timer.
	Incorrect wiring/connection	Check wiring and relay connection.

APPENDIX: WIRING DIAGRAMS

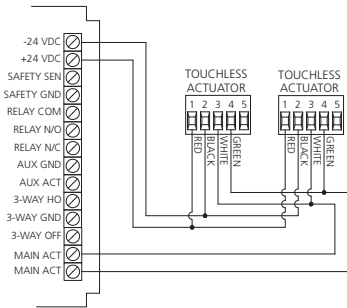
4630 / 4640 SERIES
ELECTRIC AUTO-EQUALIZER



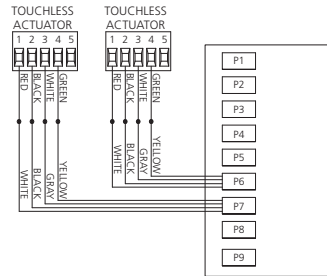
7900 SERIES
PNEUMATIC AUTO-EQUALIZER



9100 SERIES
BENCHMARK



SENIOR SWING - 2800 / 9500 SERIES
MID SWING - 2900 / 9700 SERIES



INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

The sensor manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor/device; therefore, the sensor manufacturer does not guarantee any use of the sensor outside of its intended purpose.

The sensor manufacturer strongly recommends that installation and service technicians be AAADM-certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service performed, ensuring that the sensor system installation is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSI/DASMA 102, ANSI/DASMA 107).

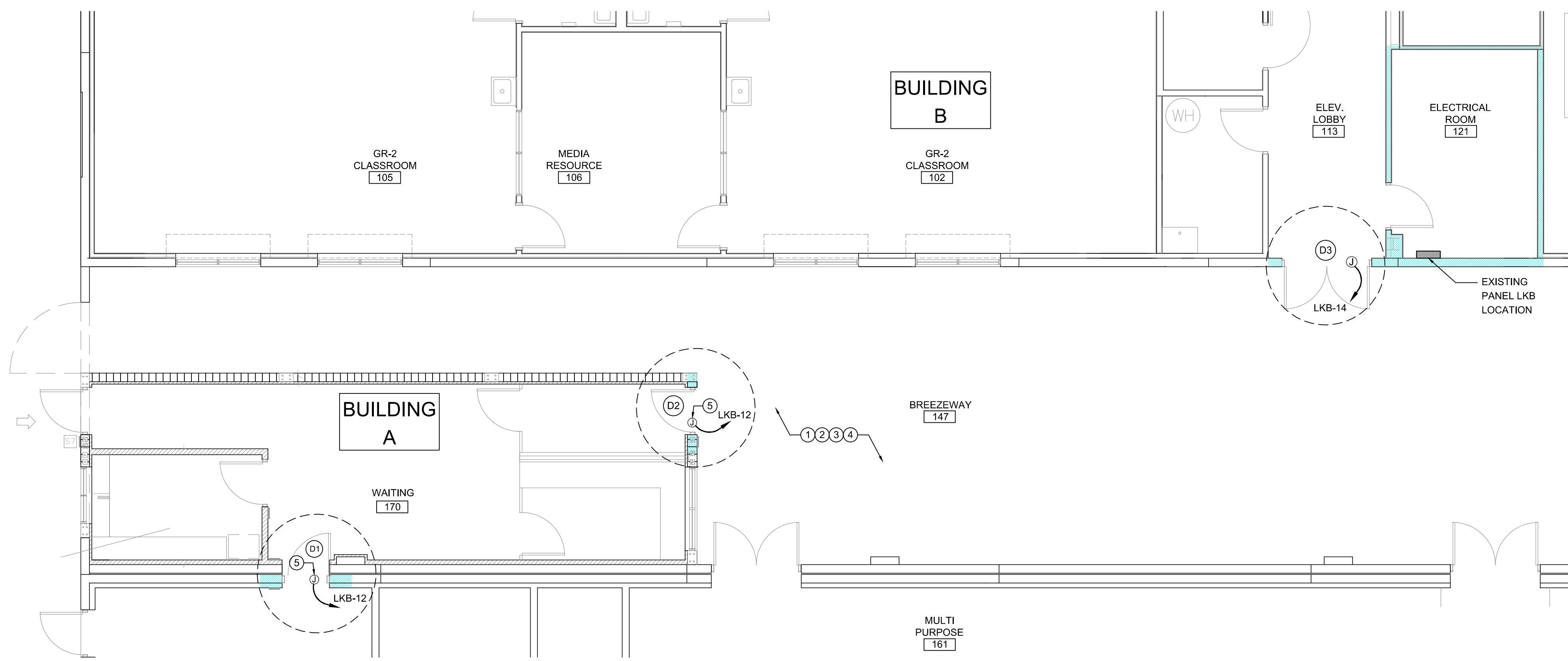
Verify that all appropriate industry signage and warning labels are in place.



Do not leave problems unresolved. If a satisfactory solution cannot be achieved after troubleshooting a problem, please contact Allegion at 1-877-671-7011. If you must wait for the following workday to call Allegion, leave the door inoperable until satisfactory repairs can be made. Never sacrifice the safe operation of the automatic door or gate for an incomplete solution.

For more information, visit www.allegion.com.





ELECTRICAL PLAN - BLDG A & BLDG B - 1ST FLOOR

SCALE: 3/16" = 1'-0"

SCOPE OF WORK

THE SCOPE OF WORK OF THIS PROJECT CONSISTS OF THE ADDITION OF FIVE ELECTRICAL OUTLETS FOR THE INSTALLATION OF FIVE (5) NEW DOOR ACCESS CONTROL.

THE INSTALLATION OF THE DOOR ACCESS CONTROL AND THE INTEGRATION OF THEM TO THE EXISTING ACCESS CONTROL SYSTEM OF THE SCHOOL WILL BE THE CONTRACTOR'S RESPONSIBILITY. THE DOOR ACCESS CONTROL CONTRACTOR SHALL COORDINATE ALL WORK WITH CITY OF PEMBROKE PINES PROJECT MANAGER.

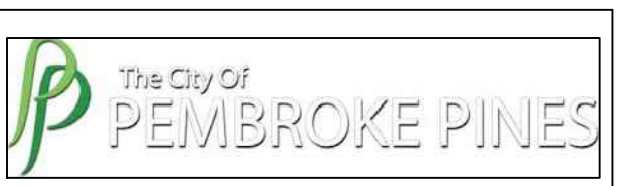
- ELECTRICAL KEY NOTES**
- ALL WORK SHALL BE COORDINATED WITH CITY OF PEMBROKE PINES PROJECT MANAGER.
 - ALL WORK SHALL BE PERFORMED IN A CLEAN MANNER. ALL WORK SHALL BE COORDINATED WITH OWNER'S PROJECT MANAGER TO MINIMIZE ANY DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION.
 - THESE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND REPRESENT EXISTING CONDITIONS BASED ON AVAILABLE DRAWINGS AND SITE OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS, FOR EXACT LOCATIONS AND SIZES OF PIPING, CONDUIT, WIRES, EQUIPMENT, ETC.
 - EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WORK DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO MATCH EXISTING WORK.
 - NEW JUNCTION BOX ON TOP OF THE DOOR FOR THE INSTALLATION OF A NEW ACCESS DOOR CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION WITH ACCESS CONTROL SYSTEM CONTRACTOR (TYPICAL).

ELECTRICAL SYMBOLS

	BRANCH CIRCUIT HOMERUN TO PANEL BOARD NUMBER INDICATE CIRCUIT DESIGNATION
	EXISTING ELECTRICAL PANEL
	JUNCTION BOX

INGEMEL S.A.
ENGINEERING COMPANY

State of Florida CA No. 9113
20871 Johnson Street, Suite 115
Phone: (954) 318-2264 Fax: (954) 450-7216
Pembroke Pines, Florida 33029



LEGENDS:

P.E. SEAL
TO THE BEST OF OUR KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE

Pedro Arias, P.E.
Florida Registration No. 63813

REV No.	DATE	DESCRIPTION
-	09-24-24	ISSUED FOR PERMIT

- ELECTRICAL NOTES**
- ALL NEW EQUIPMENT INSTALLED IN THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.
 - CONTRACTOR TO ASSURE THAT PROPER CLEARANCE (AS PER MANUF. RECOMMENDATIONS) IS PROVIDED AROUND ALL NEW EQUIPMENT FOR SERVICING AND REPLACEMENT PURPOSES.
 - EQUIPMENT VOLTAGES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION.
 - ANY CHANGES FROM DESIGN SHALL REQUIRE THE CONTRACTOR TO PREPARE A WRITTEN REQUEST FOR SAID CHANGE WHICH WILL BE SENT TO OWNER'S REPRESENTATIVE FOR REVIEW.
 - ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
 - ALL CONDUCTORS SHALL BE COPPER WITH THW/THWN INSULATION. ALL CONDUCTORS #10 AND SMALLER MAY BE SOLID, ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE. ALL CONDUCTORS SHALL BE IN CONDUIT. OUTDOOR UNDERGROUND CONDUITS SHALL BE IN PVC SCHEDULE-40. MINIMUM COVER SHALL BE 18". OUTDOOR ABOVEGROUND CONDUITS SHALL BE RIGID. INTERIOR EXPOSED OR CONCEALED CONDUIT SHALL BE EMT. STEEL SET-SCREW FITTINGS. ALL WIRING INSTALLATION SHALL BE MADE AS REQUIRED BY NEC ART. 300.
 - THE WORK INCLUDED CONSISTS OF ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, FACILITIES, AND INSTALLATION REQUIRED FOR THE COMPLETE SATISFACTORY AND APPROVED ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS AND CALLED FOR IN THIS SPECIFICATION, OR AS MAY BE REASONABLY IMPLIED BY EITHER.
 - LABEL ALL EQUIPMENT (DISCONNECT SWITCHES, CIRCUIT BREAKERS, CONTROLS ETC.) WITH ENGRAVED LAMINATED PLASTIC.
 - CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR SHALL OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
 - OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS. CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
 - ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS PER N.E.C ART. 250.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND VERIFY WITH OTHER TRADES PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND ACTUAL CONDITIONS, THE DISCREPANCY SHALL BE REPORTED TO OWNER'S REPRESENTATIVE FOR EXPEDITING AND RESOLUTION.
 - ALL ELECTRICAL CIRCUITS SHALL BE IDENTIFIED AND LABELED IN THE ELECTRICAL PANEL.
 - THE CONTRACTOR IS REFERRED TO THE MECHANICAL PLANS AND SPECIFICATIONS. SUCH PLANS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE ELECTRICAL CONTRACT DOCUMENTS. COORDINATE WITH INTERIOR DESIGNER AND/OR ARCHITECT FOR EXACT LOCATION AND HEIGHT OF ELECTRICAL OUTLETS.
 - ALL WORK SHALL BE GUARANTEED FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
 - THE ELECTRICAL INSTALLATION SHALL MEET THE APPROVAL OF THE OWNER'S REPRESENTATIVES BEFORE ACCEPTANCE.
 - LABEL ALL JUNCTION BOXES ABOVE CEILINGS AND IN WALLS WITH PANEL DESIGNATION AND CIRCUIT NUMBER.
 - SUPPORT ALL BOXES AND CONDUIT ABOVE CEILING INDEPENDENTLY. DO NOT SUPPORT ANY BOX OR CONDUIT FROM SUSPENDED CEILING SYSTEM.
 - INSTALL ALL EXPOSED CONDUIT AND WIREWAYS PARALLEL AND PERPENDICULAR TO BUILDING SURFACES.
 - ELECTRICAL EQUIPMENT SHALL BE LISTED AND LABELED FOR THE QUALIFIED USE.

APPLICABLE CODES

BUILDING CODE: FLORIDA BUILDING CODE - 8TH EDITION - 2023

FIRE/LIFE SAFETY CODE: FLORIDA FIRE PREVENTION CODE - 8TH EDITION - 2023

ENERGY CODE: FLORIDA ENERGY CONSERVATION CODE - 8TH EDITION-2023

NFPA 70: NATIONAL ELECTRICAL CODE - 2020 EDITION

NFPA 72: NATIONAL FIRE ALARM CODE - 2019 EDITION

NFPA 101: LIFE SAFETY CODE - 2021 EDITION

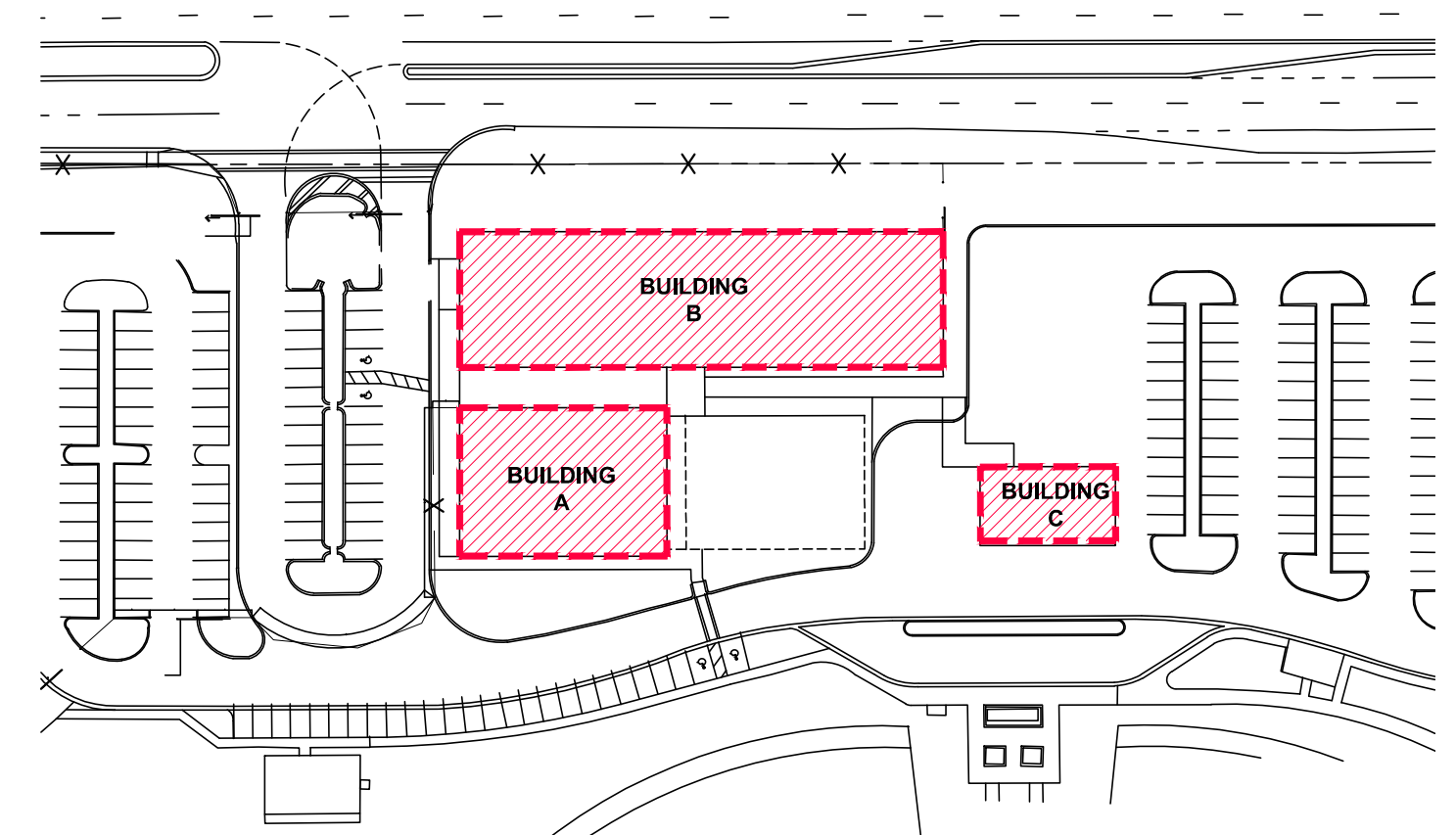
CODE REQUIREMENTS SHALL BE INCLUSIVE OF ALL ADDENDUMS AND CLARIFICATIONS ISSUED UP TO THE TIME WHEN THE BUILDING PERMIT IS GRANTED. THE LISTED CODES AND PERMIT STANDARDS SHALL NOT BE CONSTRUED TO BE THE ONLY APPLICABLE CODES AND STANDARDS GOVERNING THIS PROJECT. THE GENERAL CONTRACTOR, ALL SUB-CONTRACTORS AND SUPPLIERS SHALL VERIFY AND ADHERE TO THE REQUIREMENTS OF ALL OF THE CODES AND STANDARDS THAT GOVERN AND PERTAIN TO THEIR PRESCRIBED SCOPE OF WORK.

TYPE:	PANELBOARD	MAIN BUS:	100A
SERVICE:	POWER	NEUTRAL:	100A
VOLTAGE:	120/208V, 3PH, 4W	MAINS:	M.L.O.
ENCLOSURE:	NEMA 1	A.I.C.	10K

AMPS	POLE	TOTAL VA	COND	WIRE	DESC	CKT No.	PHASE	CKT No.	DESC	WIRE	COND	TOTAL VA	POLE	AMPS
20	1	-	-	-	SPARE	1		2	HAND DRYER RM 103	12	1/2"	1,500	1	20
20	1	-	-	-	SPARE	3		4	HAND DRYER RM 108	12	1/2"	1,500	1	20
20	1	-	-	-	SPARE	5		6	HAND DRYER RM 108	12	1/2"	1,500	1	20
20	1	-	-	-	SPARE	7		8	HAND DRYER RM 108	12	1/2"	1,500	1	20
20	1	1,500	1/2"	12	HAND DRYER RM 126	9		10	HAND DRYER RM 108	12	1/2"	1,500	1	20
20	1	1,500	1/2"	12	HAND DRYER RM 125	11		12	ACCESS DOOR D1-D2 (a)	10	1/2"	600	1	20
20	1	-	-	-	SPARE	13		14	ACCESS DOOR D3 (a)	12	1/2"	300	1	20
20	1	1,500	1/2"	12	HAND DRYER RM 131	15		16	SPARE	-	-	-	1	20
20	1	1,500	1/2"	12	HAND DRYER RM 130	17		18	SPARE	-	-	-	1	20
-	-	-	-	-	SPACE	19		20	SPACE	-	-	-	1	20
-	-	-	-	-	SPACE	21		22	SPACE	-	-	-	1	20
-	-	-	-	-	SPACE	23		24	SPACE	-	-	-	1	20
-	-	-	-	-	SPACE	25		26	SPACE	-	-	-	-	-
30	3	0	3/4"	10	TVSS	27		28	PANEL S (a)	4	1-1/4"	4,600	2	60
						29		30						

TOTAL CONNECTED LOAD:	19,000 VA	53 AMPS	FEEDER: (a)	3#4 THWN + 1#8 GND Cu IN 1-1/4"
TOTAL DEMAND LOAD (LOAD @100%):	19,000 VA	53 AMPS	FED FROM:	PANEL 2LKB

NOTES:
(a) NEW BREAKER AND NEW FEEDER



KEY PLAN



SITE PLAN

PROJECT:

PEMBROKE SHORES CHARTER SCHOOL ACCESS CONTROL

PROJECT ADDRESS:
501 SW 172nd Avenue
Pembroke Pines, FL 33029

CONTENTS:
ELECTRICAL PLAN
BLDG A & BLDG B
1ST FLOOR

This drawing and the information and design application herein contained is property of INGEMEL S.A. The information contained herein may not be used or reproduced in any manner without written permission of INGEMEL S.A.

SCALE: INDICATED	DATE: 08-15-24
DRAWN: G. PACHECO	DWG FILE: 24-108E1
APPROVED: P. ARIAS	PROJECT NO.: 24-108

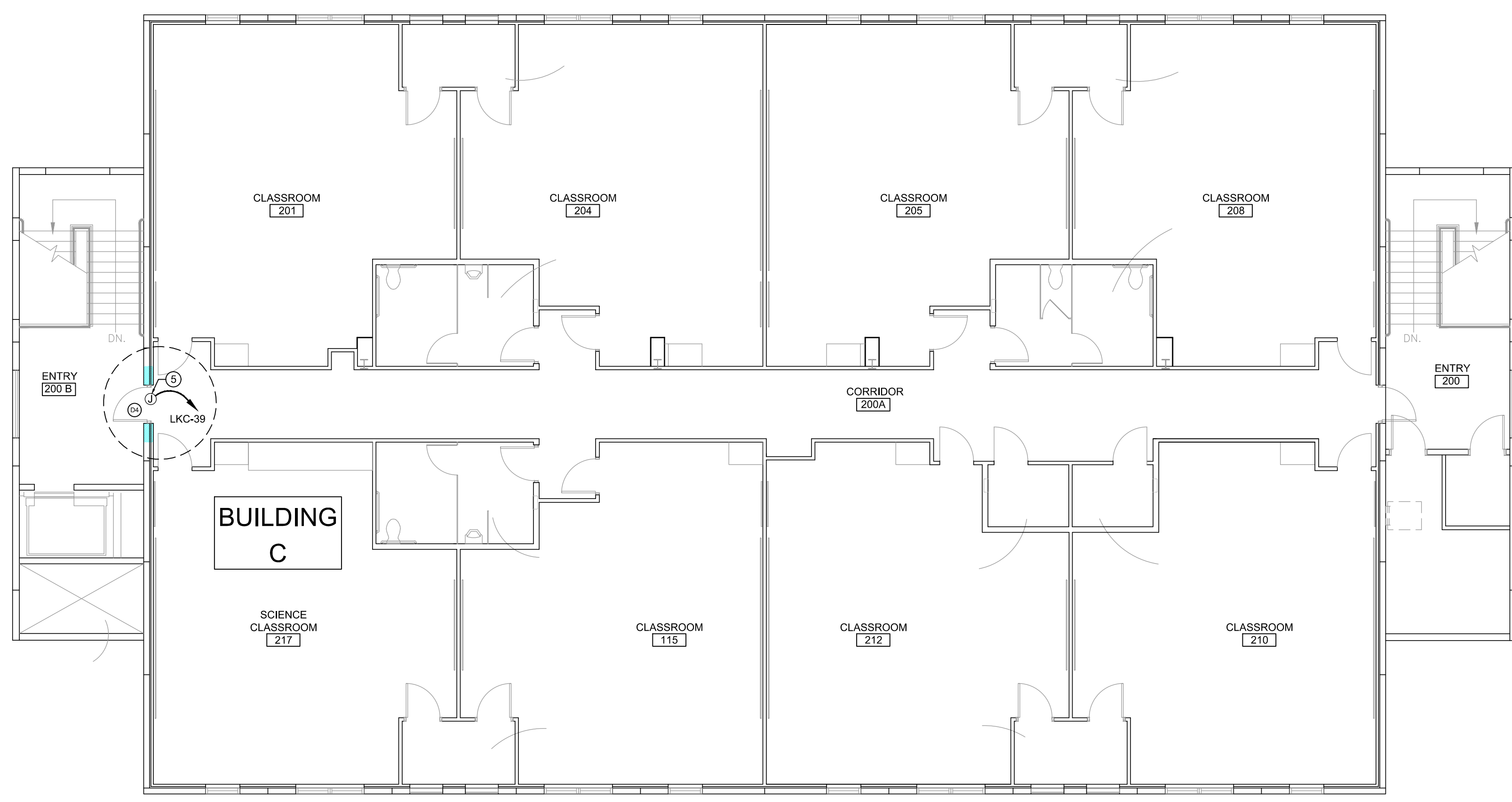
SHEET No.:

E - 1

SHEET: 1	OF: 2
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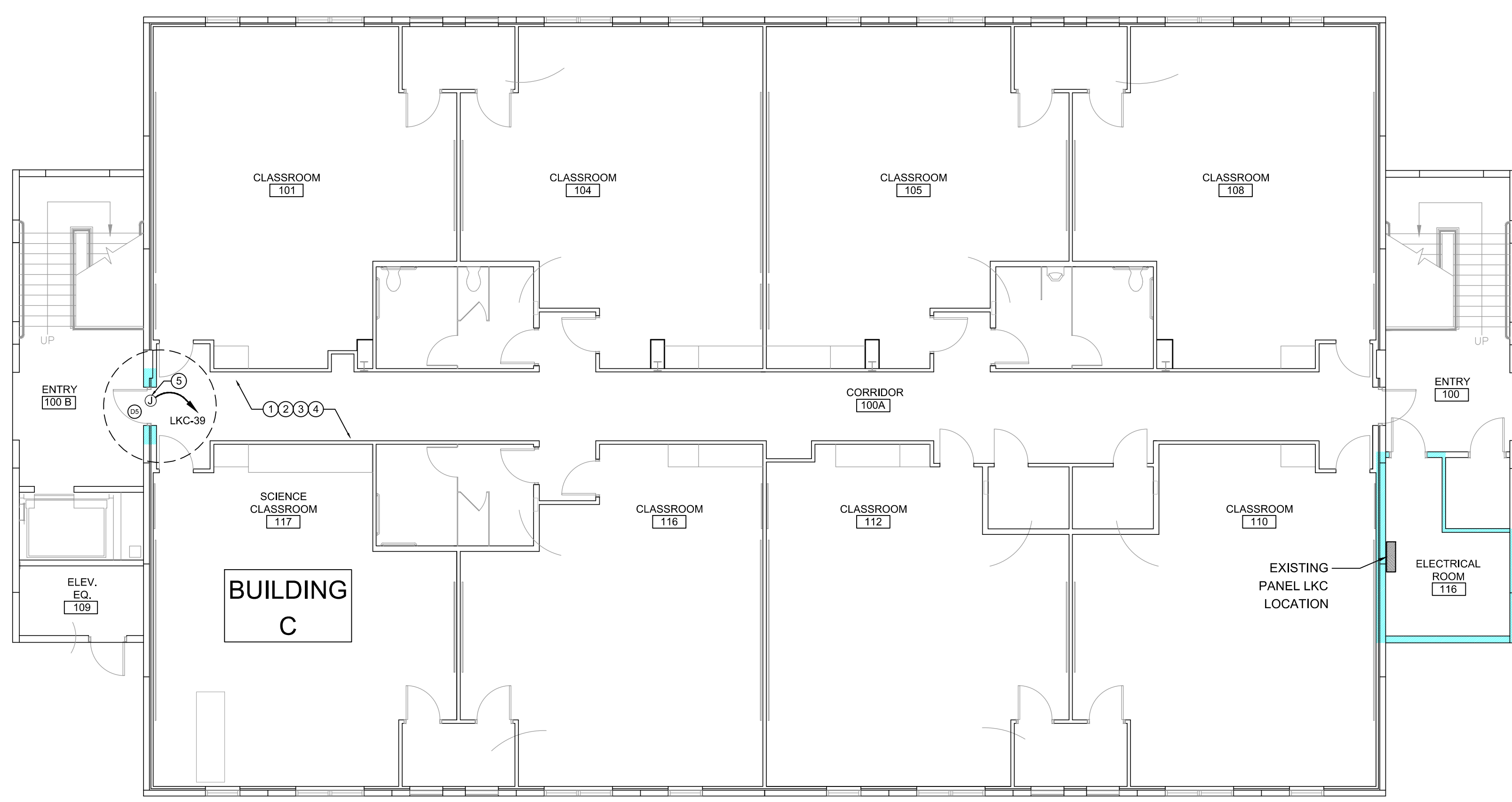
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- ③ THESE DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND REPRESENT EXISTING CONDITIONS BASED ON AVAILABLE DRAWINGS AND SITE OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS, FOR EXACT LOCATIONS AND SIZES OF PIPING, CONDUIT, WIRES, EQUIPMENT, ETC.
- ④ EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WORK DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO MATCH EXISTING WORK.
- ⑤ NEW JUNCTION BOX ON TOP OF THE DOOR FOR THE INSTALLATION OF A NEW ACCESS DOOR CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION WITH ACCESS CONTROL SYSTEM CONTRACTOR (TYPICAL).



ELECTRICAL PLAN - BLDG C - 2ND FLOOR

SCALE: 1/8" = 1'-0"



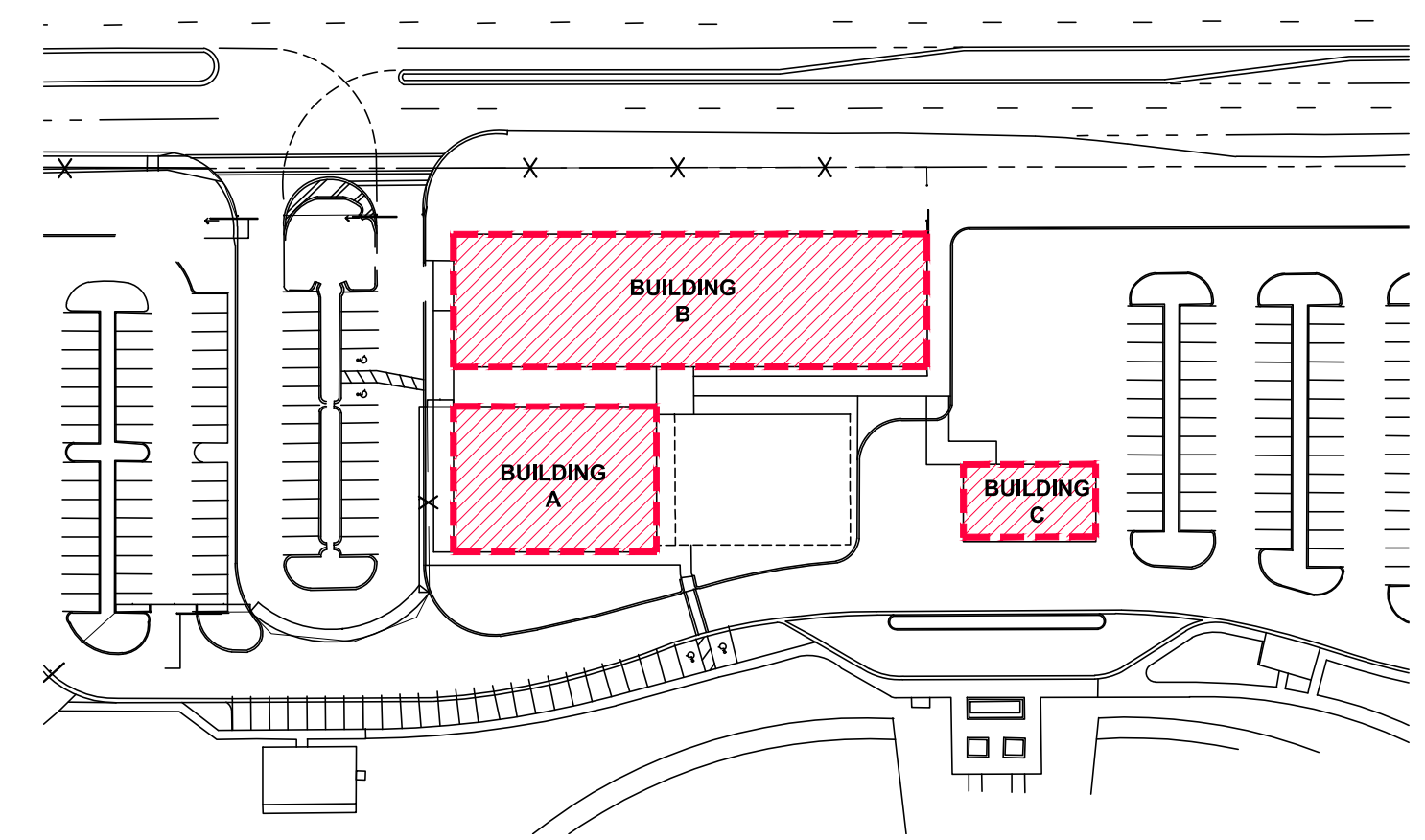
ELECTRICAL PLAN - BLDG C - 1ST FLOOR

SCALE: 1/8" = 1'-0"

TYPE: PANELBOARD		PANEL LKC		MAIN BUS: 400A										
SERVICE: POWER		SECT-1		NEUTRAL: 400A										
VOLTAGE: 120/208V, 3PH, 4W		(Existing)		M.C.B. - 400AMPS										
ENCLOSURE: NEMA 1				A.I.C. 10K										
AMPS	POLE	TOTAL VA	COND	WIRE	DESC	CKT No.	PHASE	CKT No.	DESC	WIRE	COND	TOTAL VA	POLE	AMPS
20	1	1,080	1/2"	12	RECEPT 112-113-116-117	1		2	RECEPT 106-107-104-103	12	1/2"	1,080	1	20
20	1	900	1/2"	12	EWV 100A	3		4	HAND DRYER RM 108	12	1/2"	1,200	1	20
20	1	1,200	1/2"	12	HAND DRYER RM112	5		6	RECEPT 108-107-100A	12	1/2"	1,000	1	20
20	1	1,000	1/2"	12	PROJECTOR RM 113 N	7		8	RECEPT 104-105	12	1/2"	1,080	1	20
20	1	1,000	1/2"	12	COMPUTERS RM 113 N	9		10	HAND DRYER RM 105	12	1/2"	1,200	1	20
20	1	1,000	1/2"	12	COMPUTERS RM 113 N	11		12	COMP/PROJECTOR 107	12	1/2"	1,000	1	20
20	1	1,000	1/2"	12	PROJECTOR RM 113 S	13		14	COMPUTERS RM 107	12	1/2"	1,000	1	20
20	1	1,000	1/2"	12	COMPUTERS RM 113 S	15		16	COMPUTERS RM 107	12	1/2"	1,000	1	20
20	1	1,000	1/2"	12	COMPUTERS RM 113 S	17		18	COMP/PROJECTOR 104	12	1/2"	1,000	1	20
20	1	1,000	1/2"	12	COMP/PROJECTOR RM 110	19		20	COMPUTERS RM 104	12	1/2"	1,000	1	20
20	1	1,000	1/2"	12	COMPUTERS RM 110	21		22	COMPUTERS RM 104	12	1/2"	1,000	1	20
20	1	1,000	1/2"	12	COMPUTERS RM 110	23		24	COMP/PROJECTOR 104	12	1/2"	1,000	1	20
20	1	1,080	1/2"	12	RECEPT 110-113-114-115	25		26	COMPUTERS RM 101	12	1/2"	1,000	1	20
20	1	-	-	-	SPARE	27		28	COMPUTERS RM 101	12	1/2"	1,000	1	20
20	1	-	-	-	SPARE	29		30	SPARE	-	-	-	1	20
20	1	-	-	-	SPARE	31		32	SPARE	-	-	-	1	20
20	1	-	-	-	SPARE	33		34	SPARE	-	-	-	1	20
20	1	-	-	-	SPARE	35		36	SPARE	-	-	-	1	20
20	1	-	-	-	SPARE	37		38	SPARE	-	-	-	1	20
20	1	600	1/2"	10	ACCESS DOOR D4-D5 (a)	39		40	SPACE	-	-	-	-	-
-	-	-	-	-	SPACE	41		42	SPACE	-	-	-	-	-

TOTAL CONNECTED LOAD SECT-1:	28,420 VA	79 AMPS	FEEDER: (a)	3#4 TH/WN + 1#8 GND CU IN 1-1/4"C
TOTAL CONNECTED LOAD SECT-2:	32,967 VA	92 AMPS		
TOTAL CONNECTED LOAD SECT-3:	40,356 VA	112 AMPS		
TOTAL CONNECTED LOAD:	101,744 VA	283 AMPS	FED FROM:	TRANSFORMER TKC

NOTES:
(a) NEW BREAKER AND NEW FEEDER.



KEY PLAN

N.T.S.

P.E. SEAL
TO THE BEST OF OUR KNOWLEDGE THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE

Pedro Arias, P.E.
Florida Registration No. 63813

REV No.	DATE	DESCRIPTION
-	09-24-24	ISSUED FOR PERMIT



PEMBROKE SHORES CHARTER SCHOOL ACCESS CONTROL

PROJECT ADDRESS:
501 SW 172nd Avenue
Pembroke Pines, FL 33029

CONTENTS:
ELECTRICAL PLAN
BLDG C
1ST & 2ND FLOOR

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SCALE: INDICATED	DATE: 08-15-24
DRAWN: G. PACHECO	DWG FILE: 24-108E2
APPROVED: P. ARIAS	PROJECT NO.: 24-108

SHEET No.:
E - 2

SHEET: 2	OF: 2
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Allegion Connect

Cross category electrified solution for FALcon, IVES, Schlage and Von Duprin

Overview

Allegion Connect is a cross-category electrified solution utilizing common interconnect components to our electrified options. Allegion Connect is a quick and easy way to connect power sources; all the way from your power supply to electrified door hardware. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion Connect continues to provide benefits throughout the lifetime of the opening by offering a comprehensive service kit. Our cross category product offering is interchangeable which allows for simple upgrades and replacements.

Features and benefits

- **Quick:** common connections reducing installation time
- **Perfect connections:** these factory installed connectors ensure the right wires match up every time
- **Protective:** the connectors protect the connection points throughout the installation process and lifetime of the opening
- **Interchangeable:** all Allegion Connect products utilize the same connectors
- **Maintenance:** you no longer need to cut away wire to disconnect Allegion products, also available are service kits specifically for Allegion Connect



Available products

Von Duprin	Exits	22, 33A/35A, 98/99 Series
	Electric strikes	6100, 6200 Series
	EPT	10
Schlage	Locks	ND Series - 10, 12, 80, 96 functions L Series - 9080, 9082 functions
	Falcon	Exits
Falcon	Locks	T Series - 851, 881 functions MA Series - 851, 881 functions
	IVES	Architectural hinges
Geared hinges		112, 224
Pin/barrel hinges		600, 700, 715

For more visit www.allegion.com/us or call 877-671-7011.

Allegion Connect - the perfect connection

Locks, exits, hinges and accessories

How to order

1. Specify CON for Connect electronic options
Example: EL-99-EO-CON (99 Series Electrified Latching exit only with ConneX connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

Note: Must be ordered with exit devices and locks

Note: You will need to purchase a separate wiring harness to go from exit device to EPT/hinge/electric strike. We recommend the use of our 6" power supply harness (connectors on one end, flying lead on the other) to tie into wiring coming out from power supply or access control system.

Wiring harnesses have 8 pin and 4 pin connectors on each end, or can be ordered with the connectors on one end only. Harnesses are available in several configurations and lengths to fit your opening requirements.

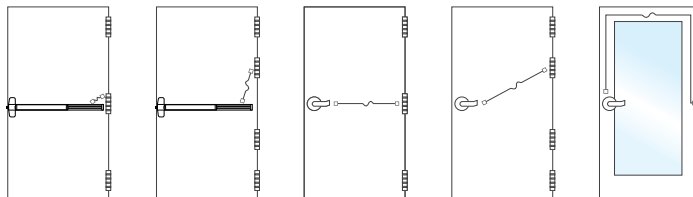
Options include: connector to connector, connector to pin end, connector to flying leads



How to order examples

Von Duprin	CX-99-EO- CON EPT-10- CON
Schlage locks	ND80PDEL-RHO-626- CON L9080EUP-03A-626- CON
Falcon exits	EL-25-R-L-US26D-RHR- CON
Falcon locks	MA-851P-24-DG-626- CON
IVES	5BB-1-HW-4.5x4.5-626- CON-TW8 112HD-CL-83-TW8- CON 700-630-83-TW8- CON

Wire run options



Note: For illustration purposes only. Consult your door manufacturer for harness length requirements.

Harness lengths

Harness length	Connectors on both ends	Connectors on one end, crimped pins on other end (recommended for doors with narrow channel)
6 inches	CON-6	CON-6P
12 inches	CON-12	CON-12P
26 inches	CON-26	CON-26P
32 inches	CON-32	CON-32P
38 inches	CON-38	CON-38P
44 inches	CON-44	CON-44P
50 inches	CON-50	CON-50P
192 inches	CON-192	CON-192P

Optional power supply wire harness: Connectors on one end, stripped leads on the other end, offering a direct connection to the power supply

6 inches	CON-6W - wire extension to power supply
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Note: Wiring harnesses are used to connect the door hardware (lock, exit device) to the EPT/hinge, and an additional wiring harness can be used to route from the EPT/hinge to locations outside of the frame. Wiring harnesses are not to be used to connect system to power supply, refer to your power supply installation instructions for more information. We recommend the use of our optional 6" power supply harness (connectors on one end, flying leads on the other) to tie into wiring coming out from power supply or access control system. Consult door manufacturer for harness length requirements.

Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks.

A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Contact your local Allegion Representative today at 877-671-7011 or visit allegion.com/us to learn how our Connect solution can simplify your installation and maintenance processes.

About Allegion

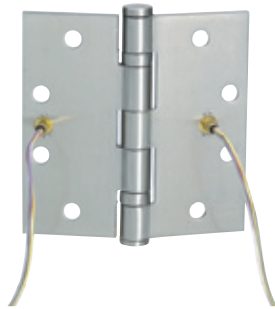
Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit www.allegion.com.

General information - electrification options

Electrical through-wire (TW4 and TW8)

Provides electric power transfer from the frame to the door in order to supply power to an electrified mortise or cylindrical locks, exit devices with electric latch retraction, and/or electric strikes (pairs of doors). Through-wire is rated 50 volts AC/DC at 3.5 amp continuous and 16 amp pulse. Maximum pulse 400 milliseconds. Ives through-wire hinges are fully compatible with 4 wire (TW4) and 8 wire (TW8) installations. Available CON option comes with the Allegion Connect 8-pin Connector which makes it easy to connect to other electrical consumption devices.

- UL634 Listed
- Not available 3PB1, 3SP1, and 5PB1 models
- Not available on 3.5 x 3.5 size hinges
- Not available with security stud (SH) option
- Packaged one hinge per box with standard wood and machine screws
- Hinge is NRP as a standard
- High quality brass ferrules and plastic tubing protect the wires
- Through-wire hinges cycle tested to ensure durability
- Special wire gauge, number, and color configurations available, contact factory



Electrical Monitor (MON, TW4M, TW8M)

Provides door position monitoring. Monitor is rated 30 volts AC/DC at 0.5 amp. Fully compatible with through-wire hinges with 4 wire (TW4M) and 8 wire (TW8M) installations. Available CON option comes with the Allegion Connect 8-pin Connector which makes it easy to connect to other electrical consumption devices.

- UL634 Listed
- Not available 3PB1, 3SP1, and 5PB1 models
- Not available on 3.5 x 3.5 and 4X4 size hinges
- Not available with security stud (SH) option
- Packaged one hinge per box with standard wood and machine screws
- Hinge is NRP as a standard
- High quality brass ferrules and plastic tubing protect the wires
- Through-wire hinges cycle tested to ensure durability
- Special wire gauge, number, and color configurations available, contact factory

Hinges & pivots
A3

Pulls & plates
B

Flush bolts & coordinators
C

Latches, catches & bolts
D

Stops
E

Exterior hardware
F

Miscellaneous hardware
G

FSU Charter School Access Controls Hardware List

Hardware Group No. 1

For use on Door #(s): OFFICE ENTRANCE(D2)

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	SURF. AUTO OPERATOR	9542 HL/D MS AS REQ (120/240 VAC)	ANCLR	LCN
2	EA	ACTUATOR, TOUCHLESS	8310-813	BLK	LCN
	EA		BALANCE OF HARDWARE TO REMAIN		

Hardware Group No. 2

For use on Door #(s): ADMIN(D1), C100B(D5), C220B(D4)

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 CON TW8M	652	IVE
1	EA	ELECTRIC STRIKE	6112 FSE CON 12/24 VAC/VDC	630	VON
1	EA	SURF. AUTO OPERATOR	9542 HL/D MS AS REQ (120/240 VAC)	ANCLR	LCN
2	EA	ACTUATOR, TOUCHLESS	8310-813	BLK	LCN
1	EA	WIRE HARNESS	CON-LENGTH TO SUIT		SCH
1	EA	MULTITECH READER	MT15 12 VDC	BLK	SCE
	EA		BALANCE OF HARDWARE TO REMAIN		

Hardware Group No. 3

For use on Door #(s): E113 DOUBLE DOOR(D3)

Provide each door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	LATCH RETRACTION KIT (QEL)	958003 / 040065	626	VON
1	EA	SURF. AUTO OPERATOR	9542 HL/D MS AS REQ (120/240 VAC)	ANCLR	LCN
2	EA	ACTUATOR, TOUCHLESS	8310-813	BLK	LCN
1	EA	MULTITECH READER	MT15 12 VDC	BLK	SCE
	EA		BALANCE OF HARDWARE TO REMAIN		

9540 Series



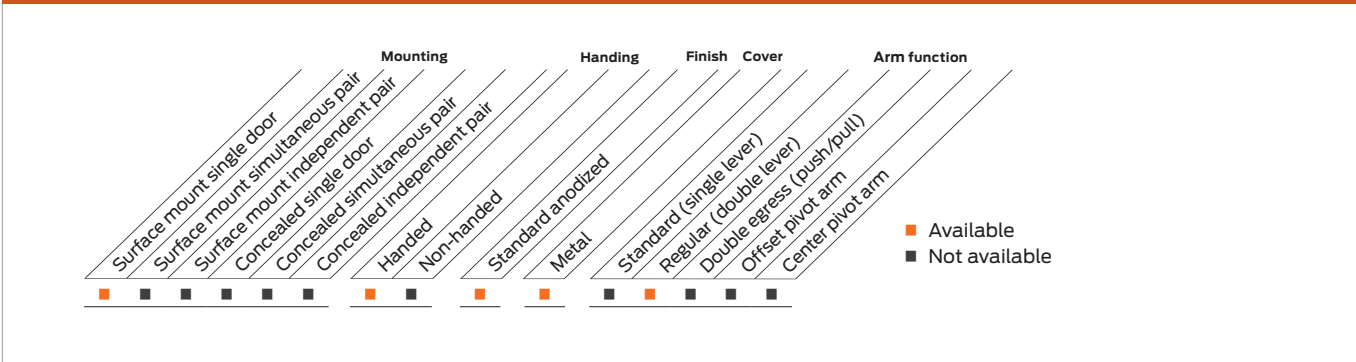
The 9540 Senior Swing by LCN is an ADA door operator that is a two-in-one swing door operator. Senior swing operator when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

Features

Certifications	Grade 1 - ANSI A156.19, UL325/228, UL1998, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act
Fluid	All Weather Fluid
Handing	Handed
Door width	<ul style="list-style-type: none"> Combined width min 33" - 48" Single door - width per leaf 33" minimum to 48" maximum
Warranty	2 years

Fasteners	Machine Screws (MS)
Mounting	Single door, surface mount, offset pivot, butt hinge, push side
Arms	Regular Arm (3077)
Finishes/colors/powder coat	<ul style="list-style-type: none"> 628 Aluminum, Anodized 710 Dark Brown, Anodized

Special templates | Customized installation templates or products may be available to solve non-standard applications. Contact LCN Product Support for assistance.



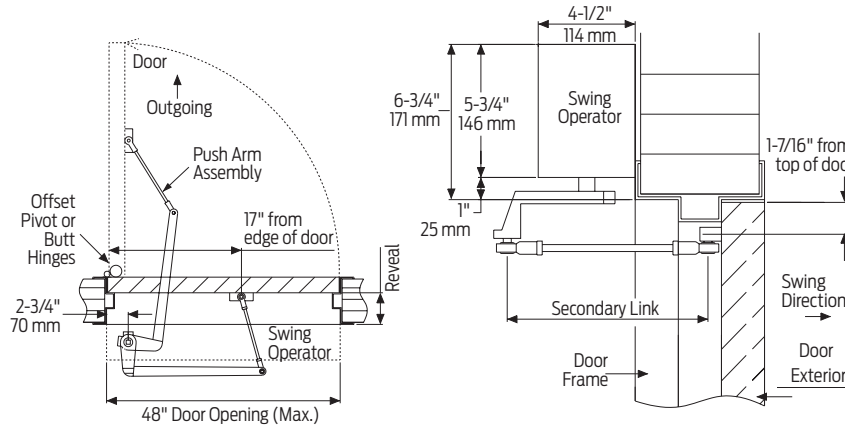
Introduction
 Product selection guide
 Pneumatic systems / Auto equalizers / 2610/4810/4820/4840/7900 Series
 Electrohydraulic systems / Auto equalizers / 6400/4630/4640 Series
 Electromechanical systems / Benchmark / 9130/9140/9150 Series
 Electromechanical systems / Senior Swing / 2810/2850/2860/9530/9540/9550/9560 Series
 Actuators and accessories

Mounting details

Top jamb single door mounting

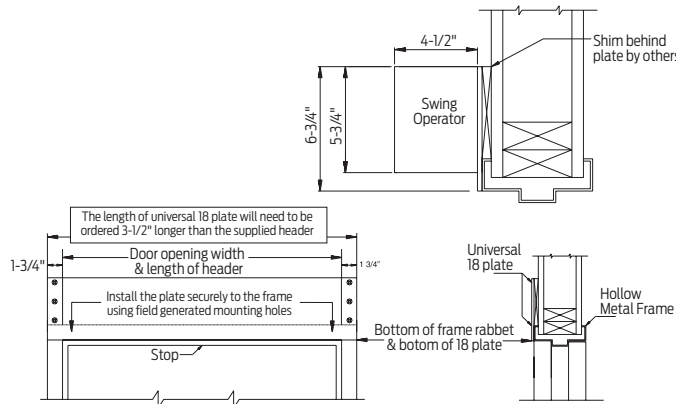
Offset pivot/butt hinge, center pivot, push

Note: Consult factory for all balance door installations.



Hollow metal frame

The 18 plate is 1/4" thick and will need to be ordered 3 1/2" longer than the header to allow for mounting the angle brackets to the vertical side jambs. See illustration below.



Note: Suggested installation.

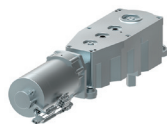
Butt hinges	Should not exceed 5" (127 mm) in width
Reveal	Push installations should not exceed 10" (254 mm) for regular arm and 20" (508 mm) for long arm
Top rail	Minimum 2 3/4" (70 mm)
Head frame	Minimum 1 3/4" (44 mm); face frame 6 3/4" (171 mm) total operator clearance
Opening and closing time	<ul style="list-style-type: none"> Variable by adjustments to the electronic control box Maximum hold open time adjustable up to approximately 32 seconds
System diagram	See pages 45 for typical system wiring and page 44 for electrical data
Maximum opening	Template allows 90 degree power opening and 90 degree manual opening

Notes:

- Push N' Go permits non-switch activation with a power boost providing additional latching force
- Electromechanical unit with microprocessor control
- Digital keypad for easy setup
- 36" header length is standard. Specify 33" - 48" max
- Double Door Header available up to 98", specify other length 49"- 98" max
- Consult factory regarding this option
- Adjustable hold open period of 2 - 32 seconds in automatic or manual mode
- Actuators available separately, see pages 100-117

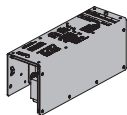
Accessories

Motor gearbox



- 9540-3454
Standard Motor Gearbox (MGB)**
- Senior Swing
 - Handed
 - Driving mechanism for operator
 - Provides maximum 15 lbs opening force

Control box



- 9540-3462
Standard controller (CTRL)**
- Electronic controlling device for Senior Swing

Brackets



- 9540-275
Mounting Bracket**
- Motor gearbox mounting bracket for 2 3/4" offset pivot or butt hinge installations
 - Front bracket

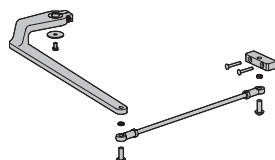


- 9540-3018
Rear Mounting Bracket**
- Motor gearbox mounting bracket
 - Rear bracket

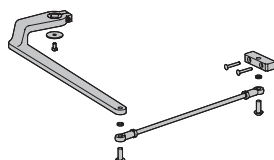


- 9540-334-1
Angle Brackets (HLB)**
- Mounting bracket for surface applications (includes 2 mounting brackets)

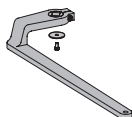
Arm



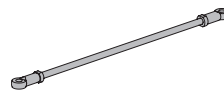
- 9540-3077
Regular Arm (REGARM)**
- Handed
 - Includes 77 main arm assembly and 79 linkage assembly



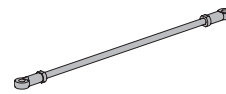
- 9540-3077L
Long Arm (LONG)**
- Handed
 - Includes 77 main arm assembly and 79LR linkage assembly



- 9540-77
Main Arm**
- Handed
 - Attaches to motor gearbox

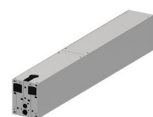


- 9540-79
Linkage Assembly - 15"**
- Threaded rod attaches to door
 - Extends from main arm

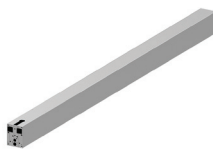


- 9540-79LR
Linkage Assembly - 32"**
- Threaded long rod attaches to door
 - Extends from main arm
 - Used for reveal 10" to 20"

Header



- 9540-3572HL
Standard Mounting Header (HDR)**
- Single door, single operator
 - Specify length 33" to 48" maximum
 - Standard



- 9540-3572DD
Double Door Header (HDR2)**
- Double door, single operator
 - Specify length 49" to 98" maximum
 - Standard

End cap



- 9540-334
Header End Caps**
- With openings for wiring



- 9540-334-2
Dress plates (HLD)**
- Metal finish end cap

Installation accessories



- 9540-11A
Spindle Plate**
- Hides bottom of motor gearbox
 - Completes header box
 - Cutout allows for motor gearbox shaft
 - For 2 3/4" offset pivot or butt hinge installations



- 9540-12
Filler Plate Blank**
- Completes length of header box (specify length)



- 9540-18
Mounting Plate**
- For standard hollow metal door frames
 - Specify length 55 1/2" to 101 1/2" maximum when using angle brackets
 - Specify length 52" to 98" maximum when using dress plates
 - Optional

Note: The length of a universal 18 plate will need to be ordered 3 1/2" longer than the supplied header when using angle brackets.

Introduction
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 Electromechanical systems
 Senior Swing
 2810/2850/2860/9530/9540/9550/9560 Series
 Actuators and accessories

Ordering information

How-to-order 9540 Series operators

1. Specify hand

- Right hand (RH)
- Left hand (LH)

2. Specify header/length

- Standard Mounting Header (HDR)
(Specify length 33" to 48")
- Double Door Header (HDR2)
(Specify length 49" to 98")

3. Select finish

- Standard anodized finish _____
Aluminum, Clear Anodized (628) or
Dark Bronze, Anodized (710).

Closer will be shipped with:

- Standard motor gearbox
- Standard control box
- Header (at specified length, 36" standard)
- Regular Arm (3077)
- 2 3/4" pivot point
- Machine screws
(unless options listed below are selected)

Operator options

Mounting plate

- Plate, ____ (Specify Length 33" to 101 1/2")

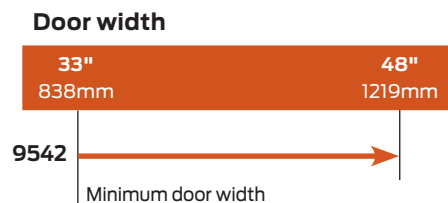
Arm

- Long Arm (LONG)

Door Position Switch

- Door Position Switch (DPS)
- The 9540DPS has a Door Position Switch (8310-805C) installed into the arm and spindle plate

Table of sizes



→ Indicates recommended range of door width for operator.
Note: For all Senior Swing Series. Single Door - Width per leaf 33" minimum, 48" maximum.



Multi-Technology Readers



Overview

Schlage® multi-technology readers are designed to simplify your access control solutions and allow a transition from existing population proximity or magnetic stripe to more secure encrypted card technology at your own pace—without having to change readers as new technologies are available. Five available models to fit any need and works with multiple form factors including wristbands, cards, fobs and tags.

- **MT11:** Mullion mount multi-technology reader
- **MT15:** Single gang mount multi-technology reader
- **MTK15:** Single gang mount multi-technology reader with keypad reader
- **MTMS15:** Single gang mount multi-technology reader with magnetic stripe reader
- **MTMSK15:** Single gang mount multi-technology reader with magnetic stripe reader and keypad

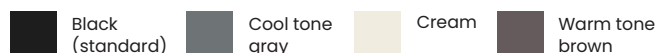
Encryption Key & Credential Interoperability

- Hardware configured with our default encryption key or custom key developed by Schlage Custom Encryption Key Service (SCEKS) including NXP, HID® and NFC
- Schlage NFC mobile credentials
- Apple Wallet® and Google Wallet™ NFC student ID and employee badge
- Competitive NXP and NFC mobile credentials configured with custom encryption keys
- Schlage proximity credentials
- Other competitive credentials (see the [Credential Compatibility Guide](#))

Schlage Credential Services

- CardTrax™ credential format sequencing service offering industry standard formats
- Custom format development

Color Options



Note: Lead time may apply for non-standard colors.

Features & Benefits

Multi-technology platform offers support for both high-frequency (13.56 MHz) smart and low-frequency (125 kHz) proximity credentials.

- Compatible with NFC-enabled mobile devices
- Wiegand and RS-485 support
- Limited lifetime warranty
- Accommodates interior, exterior, metal and non-metal installation environments
- Quick-connect cable allows for easy installation
- Easy-to-install mounting bracket
- Available finishes include: black (standard), cool-tone gray, cream and warm-tone brown



Check out our Schlage
Credential Services



Model ¹	MT11	MT15	MTK15	MTMS15	MTMSK15	
Reader type	Mullion	Single gang	Keypad single gang	Magnetic stripe	Magnetic stripe and keypad	
Frequency	13.56 MHz and 125 kHz			13.56 MHz and 125 kHz and magnetic stripe		
FIPS 201-1 & 201-2 compliant	Yes, requires RS-485 interface—See Schlage FIPS 201 Compliant Readers Datasheet for details					
Standard default PIV output	75 bit PIV ²					
Standards	SO 14443A, 14443B, 15693					
Certifications	FCC Certification • IC Certification • UL 294 Listed • RED Directive (15 EU Countries) • CE Mark • IP65					
Voltage range	5-16 VDC					
Power supply	Linear DC					
Current requirement (at 12 VDC and 25 C; mAmps)	MT11 Avg. 100 mA Peak 170 mA	MT11-485 Avg. 115 mA Peak 145 mA	MT15 & MT15-485 Avg. 120 mA Peak 200 mA	MTK15 & MTK15-485 Avg. 120 mA Peak 230 mA	MTMS15 & MTMS15-485 Avg. 120mA Peak 200mA	MTMSK15 & MTMSK15-485 Avg. 120mA Peak 230mA
Technology supported³						
CSN ⁴	•	•	•	•	•	
Proximity ⁵	•	•	•	•	•	
Smart ⁶	•	•	•	•	•	
Mobile (NFC) ⁷	•	•	•	•	•	
Read range	Proximity: Up to 5" (12.7 cm) MIFARE Classic: Up to 4" (10 cm) MIFARE Plus: Up to 1" (2.5 cm) MIFARE DESFire EV1 / EV3: Up to 2" (5.1 cm) PIV credential: Up to 2.5" (6.5 cm)					
Cable specification	18 AWG, 5 conductor stranded/shielded					
System interfaces	Wiegand / Clock & Data / RS-485 ⁸ (OSDP)					
Cabling distance	Wiegand output: 500 ft (152 m)					
Physical dimensions (H x W x D)	5.91" x 1.72" x 0.81" 15 cm x 4.4 cm x 2.1 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm	5.1" x 3.25" x 0.76" 12.9 cm x 8.3 cm x 1.9 cm	5.17" x 4.43" x 1.15" 13.13 cm x 11.25 cm x 2.92 cm	5.17" x 4.43" x 1.15" 13.13 cm x 11.25 cm x 2.92 cm	
Operating temperatures	-40° to 158°F (-40° to 70°C)	-40° to 158°F (-40° to 70°C)	-40° to 158°F (-40° to 70°C)	-31° to 151°F (-35° to 67°C)	-31° to 151°F (-35° to 67°C)	
Weight	5.7 oz	9.1 oz	9.3 oz	8.9 oz	9.5 oz	
Material	PBT Polymer					

- Some features and benefits listed on the front may not be applicable to the smart-only and proximity-only readers.
- Other output options available through configuration.
- For more detail, see [Schlage Credentials Compatibility Guide](#) for readers and locks.
- DESFire® CSN, HID iCLASS® CSN, Inside Contactless PicoTag® CSN, ST Microelectronics® CSN, Texas Instruments Tag-It® CSN, Phillips I-Code® CSN.
- Schlage® Proximity, HID® Proximity up to 37 bit lengths, GE/CASI® Proximity, AWID® Proximity, LenelProx®.
- Schlage smart cards using MIFARE Classic® EV1, Schlage smart cards using MIFARE Plus®, Schlage smart cards using MIFARE® DESFire® EV1, Schlage smart cards using MIFARE® DESFire® EV2, Schlage smart cards using MIFARE® DESFire® EV3.
- Compatible with Bluetooth and NFC-enabled smartphones.
- RS-485 model numbers include "-485" after the original model number. For example, MT11-485 is the RS-485 version of the multi-technology mini-mullion reader. Multi-drop, Open Standard Device Protocol (OSDP).

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6100 Series

Strikes for Rim Exit Devices



Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6100 Series strikes are designed to withstand abuse. Their heavy-duty stainless steel construction is UL1034 listed.

6100 Series electric door strikes are designed for use with a variety of rim exit devices including rim nightlatch. Electrified strikes allow remote release of a locked door by activating a movable lip (keeper) using an entry/exit button or credential reader and can be a cost effective means for managing access. 6100 Series strikes come standard as 24 VDC in fail secure mode. 12 VDC and AC operation can be selected, as can fail safe mode and other options that enable you to configure these strikes to fit your exact needs.

Use 6100 Series electric strikes for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or if retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

Features & Benefits

- Five configurations available for rim exit and nightlatch devices
- Heavy-duty stainless steel construction
- Strike box allows horizontal adjustment to compensate for misalignment of the door or frame
- 24 VDC standard with 12 VDC and AC operation optional
- Two-piece plug connectors are furnished for ease of installation and removal during strike servicing
- Options include rectifier kit for VAC to VDC conversion, dual monitor switches, entry buzzer and Allegion Connect wire extension
- Six popular finishes available to suite with existing hardware
- UL 10C 3-hour fire-rated electric strike (models 6111, 6112 and 6113 – fail secure only)
- UL 1034 listed for burglary-resistant electric door strikes
- Static strength: 1500 lbs
- Dynamic strength: 70 ft-lbs
- UL 294 listed for access control system



Model Specifications		6111	6112	6113	6114	6121
Model number		6111	6112	6113	6114	6121
Retrofits model		VD 3031	FA 310-4	VD 3011 VD 3021	FA 310-5	FA 310-4-100
Latchbolt throw		3/4"	3/4"	3/4"	3/4"	3/4"
Face plate length		6"	9"	6"	7-1/2"	9-1/8"
Backbox depth		1-5/8"	1-11/16"	1-15/16"	N/A	N/A
Lockset		Rim exit device	Rim exit device	Rim exit device	Rim nightlatch	Rim exit device
Number of doors	Single	•	•	•	•	---
	Double door with mullion	•	---	---	---	---
	Double door without mullion	---	---	---	---	•
Door/frame type	Hollow metal	•	•	•	•	•
	Aluminum	•	•	•	•	•
	Wood	•	•	•	---	•
Options	Blade stop shim	Yes	No	Yes	No	No
	DS or DS-LC (dual monitor switches)	Yes	Yes	Yes	Yes	Yes
	EB (entry buzzer - fail-secure only)	Yes	Yes	Yes	Yes	Yes
Certifications/ Listings	UL 1034	•	•	•	•	•
	UL 10C Single Door	3 hour	3 hour	3 hour	---	---
	UL 10C Pair Door*	90 Minutes	90 Minutes	90 Minutes	---	---
Application notes		1	2	3	4	5

*With manufacturer's mullion.

Note: 16 VDC and 28 VDC solenoid are sold as replacement parts for existing strikes. Please contact customer care for details.

Application notes:

- 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Specify when using 55 rim devices. May also be used with vertical rod exit devices noted on previous page x Pullman latch LBR (non-fire rated).
- When used to replace Folger Adam 310-4, minor fame prep modification required.
- 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames (non-fire rated).
- Surface applied strike designed to replace Folger Adam 310-5 with different mounting hole locations from Folger Adam.
- Designed to mount on inactive leaf.

Rim Exit Device Compatibility for 6111, 6112, 6113 and 6121 Strikes

Manufacturer	Device
Von Duprin	22, 33A, 35A, 551, 88, 98, 99 8827 LBR4 x Pullman latch Non-Fire rated 9827 LBR4 x Pullman latch Non-Fire rated 9927 LBR4 x Pullman latch Non-Fire rated
Falcon ²	19-R, 24-R, 25-R
Falcon	1790
Precision ²	2100
Sargent	2800, 6500, 6800, 8500, 8800, 9500, 9800 ³ , 9898
Yale	1500, 700

- Strike must be factory modified, specify when using with a 55 Rim device.
- Deadlocking feature will not properly function, consult factory.
- Panic only, not fire-rated.
- 6111 is recommended for LBR applications.

Note: When using a lockset not listed or when retrofitting an existing application, please contact Von Duprin technical support for application assistance.

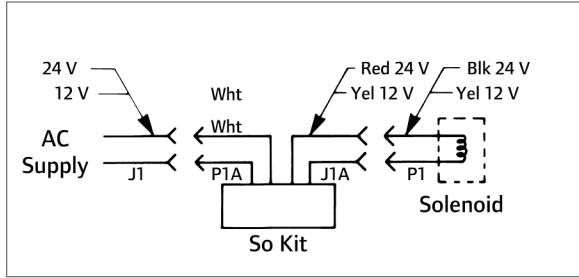
6100 Series Power Requirements

Models	Voltage	Current	Duty	Amps	Ohms
All	12V	DC	Continuous	0.60	21
All	24V	DC	Continuous	0.33	83

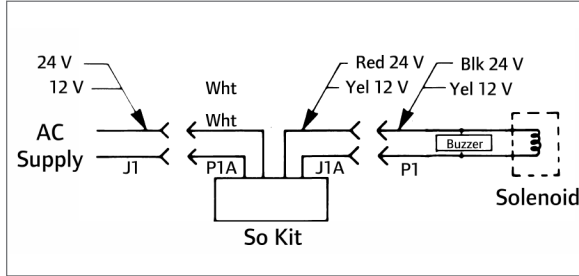
Continuous duty = Energized 1 minute or more

Wiring

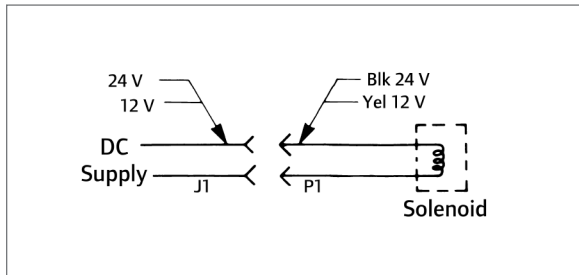
AC



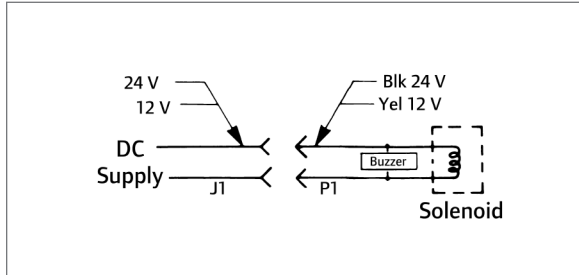
AC with buzzer



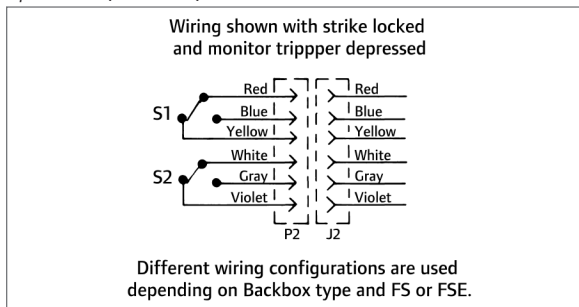
DC



DC with Buzzer

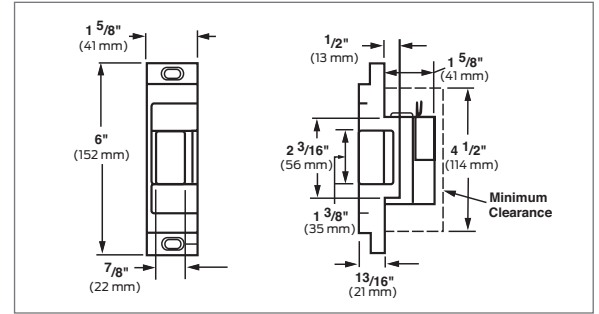


Optional DS (FSE Shown)

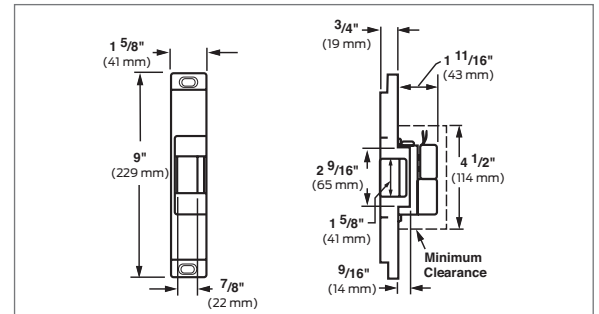


Dimensions

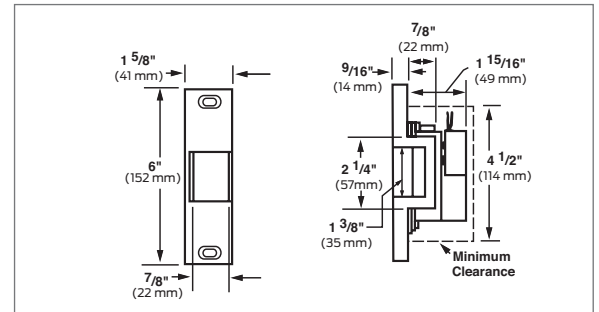
6111



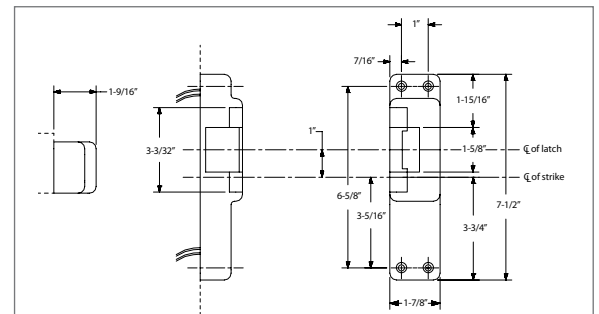
6112



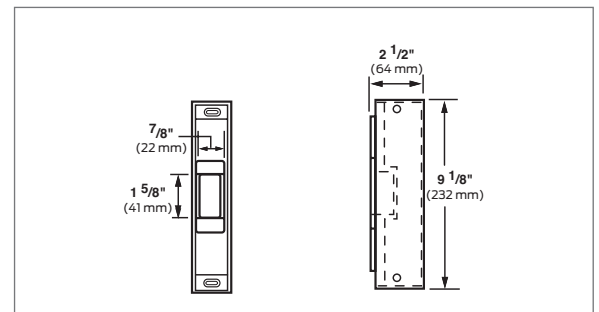
6113



6114



6121



Ordering Information

6112	-	FSE	-	DS	-	24	-	S024	-	US3	-	EB	-	CON
Model		Power failure mode		Dual switch*		Voltage		Rectifier kit*		Finish		Buzzer*		Allegion Connect*
1		2		3		4		5		6		7		8

* Optional

Selections correspond with the numbers above.

1	Model
Reference specification chart to make the proper model selection	
2	Power failure mode
FSE	Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. Fire-rated.
FS	Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. Non-fire-rated.
3	Dual switch (optional)
DS	Monitors latch bolt and lock status. DS switches rated for 24 VDC at .050-2.0 amps.
DS-LC	Low current option for computer monitoring. Monitors latch bolt & lock status. DS-LS switches rated for 24 VDC at .050 amp or less.
4	Voltage (VDC)
24	Low voltage DC power
12	Low voltage DC power

If AC power is required, specify rectifier kit.

5	Rectifier kit (optional)
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid
6	Finish
US3/BHMA 605	Plated polished brass on stainless steel
US4/BHMA 606	Plated satin brass on stainless steel
US10/BHMA 612	Plated satin bronze on stainless steel
US10B/BHMA 613	Plated dark bronze, oil rubbed on stainless steel
US32/BHMA 629	Stainless steel, polished
US32D/BHMA 630	Stainless steel, satin
7	Buzzer (optional)
EB	Entry Buzzer
Only available if Fail-Secure (FSE) is specified.	
8	Allegion Connect
CON	Allegion Connect Connector

6 in. wire extension harness available

VON DUPRIN®

Quiet electric latch retraction conversion kits

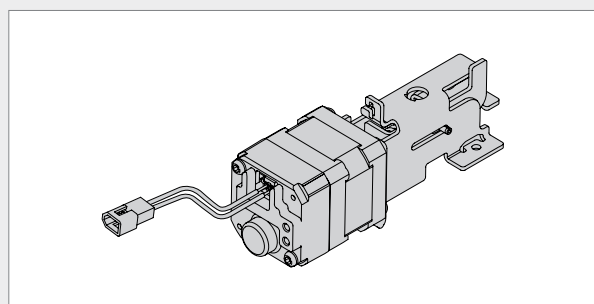
Featuring 98/99, 33A/35A
and 22 Series exit devices

Overview

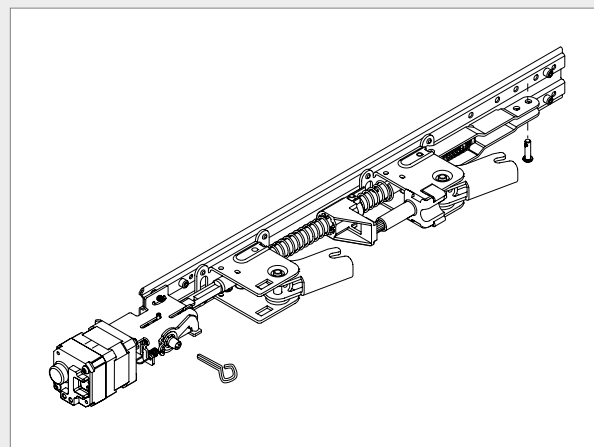
The Quiet Electric Latch (QEL) retraction latch option for Von Duprin exit devices provides electronic control of an exit device for environments where limited operational noise is desired.

This optional feature is offered in fully configured exit devices, or as a conversion kit to mechanical or legacy latch retraction devices currently installed, to enhance the opening's operability.

Von Duprin offers both a modular and baseplate QEL conversion kits. In most applications, the modular QEL kit provides the necessary functionality at the lowest cost and is the recommended solution. The modular QEL conversion kit should be selected unless the product is currently a solenoid-driven latch retraction device (EL).



Modular QEL kit



Baseplate QEL kit

Features and benefits

The baseplate QEL conversion kit was the initial conversion kit offered when Von Duprin originally launched the QEL. With the improved design of the motor assembly and availability of the modular conversion kit, the baseplate QEL conversion kit should primarily be used when converting an EL to a motor driven QEL solution.

The modular conversion kit was developed to improve the flexibility, cost, and installation process without the requirement of replacing the entire baseplate assembly. The modular motor assembly provides the same functionality and fits in both 3' device and 4' device. This design allows for flexibility of inventory and solutions for a broader set of openings.

Installation resources

- **Video:** [Converting mechanical 98/99, 33A/35A to QEL](#)
- **Video:** [Converting EL to QEL](#)
- **Installation instructions** [QEL 33A/35A, 98/99 Series](#)
- **Installation instructions** [QEL 22 Series](#)

Modular QEL conversion kit

- **Recommended conversion kit solution** for most applications
- **Greater inventory flexibility:** Can upgrade both 3' and 4' devices
- **Ease of installation:** Can easily and quickly be installed in existing product
- **Lower list price:** Same functionality offered at a lower list price

Baseplate QEL conversion kit*

- **EL conversion recommended** when upgrading Von Duprin solenoid-driven latch retraction
- **Device size 3' or 4'** baseplate solution required to be specified

*Baseplate conversion kit available for the 98/99 and the 33A/35A Series devices only.

How to order

Use the following guided process to select the correct QEL conversion kit. Assess your product and choose 'Yes' or 'No' for each of the feature sections shown. Then, align selections with table columns on the next page. For each column, choose the corresponding row of products.

#1

33A/35A, 98/99,
or 22



#2

AX
Y or N



#3

Connector
Y or N



#4

Hex Dogging
Y or N



QEL conversion kit options

AX = Designed to meet the 2010 ADA standards for Accessible Design that state the force required to activate operable parts shall not exceed 5 pounds

CON = Connector – Allegion Connect is a quick and easy way to connect power sources

HD = Hex Dogging QEL – Hex Dogging allows the electric latch retraction exit device to be manually dogged, holding in the latch bolt (not for use with fire door applications)

#1	#2	#3	#4		Recommended	Baseplate conversion kit part #s	
33A/35A, 98/99, or 22*	AX	CON	HD		Modular conversion kit part #s	3'	4'
33A/35A, 98/99	N	N	N	QELA conversion kit	114317-00	958003-00	040065-00
33A/35A, 98/99	N	N	Y	HD-QELA conversion	958002-00	958004-00	040067-00
33A/35A, 98/99	N	Y	N	QELA conversion kit w/connector	040061-00	040063-00	040066-00
33A/35A, 98/99	N	Y	Y	HD-QELA conversion kit w/connector	040062-00	040064-00	040068-00
33A/35A, 98/99	Y	N	N	QELX conversion kit	041162-00	041166-00	041167-00
33A/35A, 98/99	Y	N	Y	HD-QELX AX conversion kit w/dogging	041164-00	041170-00	041171-00
33A/35A, 98/99	Y	Y	N	QELX AX conversion kit w/connector	041163-00	041168-00	041169-00
33A/35A, 98/99	Y	Y	Y	HD-QELX AX conversion kit w/connector	041165-00	041172-00	041173-00
22	N	N	N	22 QEL conversion kit	47447540	N/A	N/A
22	N	N	Y	22 HD-QEL conversion kit w/ dogging	47447541	N/A	N/A
22	Y	N	N	22 QELX conversion kit	47447544	N/A	N/A
22	Y	N	Y	22 QELX conversion kit w/ dogging	47447547	N/A	N/A

Example: #1 = 98/99 | #2 = AX (N) | #3 = CON (N) | #4 = HD (N) » 114317-00 is the correct modular kit part number.

For confirmation purposes, 958003-00 is the corresponding baseplate kit part number. If you previously ordered 958003-00 for mechanical upgrades to latch retraction, we recommend choosing the 114317-00 modular kit.

*Von Duprin 22 series devices modular conversion kits compatible with devices manufactured after January 1, 2022 (no seam on the mechanism case).

Service and support

- To modify an existing order, contact Customer Service at (877) 671-7011, option 1.
- For additional product questions, contact Technical Support at (877) 671-7011, option 2, then option 3.

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA[®], Interflex[®], LCN[®], Schlage[®], SimonsVoss[®] and Von Duprin[®]. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had \$2.7 billion in revenue in 2020, and its security products are sold around the world. For more, visit www.allegion.com

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