ADDENDA

TO ALL BIDDERS OF THE

MUNICIPAL BUILDING INTERIOR RENOVATIONS PROJECT

FOR THE

CITY OF MARGATE CITY

ATLANTIC COUNTY, NEW JERSEY

ADDENDUM NO. 2

You are hereby notified in accordance with Section 1.04 entitled "Addenda, Bid Specification Challenges and Interpretations" of the Information for Bidders of the above captioned project that the following has been issued to clarify the meaning of the plans and specifications and that the conditions and specifications set forth in said addenda are to be original contract documents.

SPECIFICATONS

1. REPLACE: Specification Section 087100 – Door Hardware with Specification Section 087100 Door Hardware (Addendum No. 2) (attached)

DRAWINGS

1. REPLACE: Replace Door schedule on Drawing A-401 with Door Schedule – Revised Drawing SK-1 (attached).
2. REPLACE: Replace a portion of the Electrical Lighting Floor Plan with Electrical Lighting Floor Plan Sheet No. ESK-1.
3. ADD: Add to the Electrical Power Floor Plan, Electrical Power Floor Plan Sheet ESK-2.
4. REPLACE: Replace a portion of the Electrical Power Floor Plan with Electrical Power Floor Plan Sheet No. ESK-3.
5. ADD: Add to the Electrical Systems Floor Plan, Electrical Systems Floor Plan Sheet ESK-4.
6. ADD: Add Light Fixture Schedule Sheet ESK-5.
7. REPLACE: Replace Automatic Receptacle Control Detail on Sheet E-6.1 with the Automatic Receptacle Control Detail, Sheet ESK-6.
8. REPLACE: Replace Door Types on Drawing A-401 with Door Elevations – Revised Drawing SK-2.
9. REPLACE: Replace Door Frame Types F6, F7 & F8 on Sheet A-401 with Door Frame Elevation Revisions Drawing SK-3.
10. REPLACE: Replace Transaction Window Schedule on Drawing A-402 with Transaction Window Schedule – Revised Drawing no. SK-4.
11. REPLACE: Replace Detail 6 New Wall @ Existing Window on Sheet A-402 with Detail - New Wall @ Exist. Wall – Revised, Drawing SK-5.

The following responses are provided to address requests for information received:

1. Atlantic Coast Alarm monitors and services the fire alarm system. The fire alarm panel is Siemens.
2. There are no plumbing drawings.
3. The work on the HVAC system that is not in this project is indicated in the scope of work section in the specifications.
4. The fire sprinkler system is not shown on the plans.
5. The new lights do not require emergency back-up.
6. The existing main distribution panel is located on the Union Avenue side of the building toward the Monmouth Avenue side of the building, generally adjacent to the emergency generators.
7. Panel Lpp2 is located in electric closet 152 as indicated on drawing ESK-3.
8. A transaction window is not being installed at the finance office and therefore nor fire shutter will be installed at the finance office. See ESK-2 and ESK-4 for new drop down fire shutter connect.
9. The light fixture schedule is shown on Sheet No. ESK-5.
10. The brand name and catalog numbers for the automatic receptacle control are shown on drawing ESK-6.
11. There is no duct cleaning as part of the project.
12. Provide WP-1 panel at locations shown on Details 1/A-440 and 2/A-440 for corridor 112 locations. Panels to be located on both sides of corridor at locations noted on plan (Drawings A-111 and A-112) at changes in flooring at doors 113 + 151; doors 120 + 144; and at area 9'-9" wide shown between conference room door 138 + door 137. Refer to detail 5/A-402 for typical layout.

THIS ADDENDUM MUST BE RETURNED WITH ALL BIDS. FAILURE TO RETURN THIS SIGNED RECEIPT WITH THE CONTRACT FORMS MAY RESULT IN A NON-RESPONSIVE BID.

I ACKNOWLEDGE RECEIPT OF THIS ADDENDUM:

_____
Signature

_____
Company

_____
Date

SECTION 08 71 00 – DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware for:

   a. Swinging doors.
   b. Sliding doors.
   c. Gates.

2. Electronic access control system components
3. Field verification, preparation and modification of existing doors and frames to receive new door hardware.

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 Section “Alternates” for alternates affecting this section.
2. Division 06 Section “Rough Carpentry”
3. Division 06 Section "Finish Carpentry”
4. Division 07 Section “Joint Sealants” for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:

   a. “Metal Doors and Frames”
   b. “Flush Wood Doors”
   c. “Stile and Rail Wood Doors”
   d. “Interior Aluminum Doors and Frames”
   e. "Aluminum-Framed Entrances and Storefronts"
   f. “Stainless Steel Doors and Frames”
   g. “Special Function Doors”
   h. "Entrances”

6. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.
7. Division 26 “Electrical” sections for connections to electrical power system and for low-voltage wiring.
8. Division 28 “Electronic Safety and Security” sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL - Underwriters Laboratories

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:

   a. Comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, “EXAMINATION” article, herein.
   b. Review drawings and Sections from related trades to verify compatibility with specified hardware.
   c. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:

a. Wiring Diagrams: For power, signal, and control wiring and including:
   1) Details of interface of electrified door hardware and building safety and security systems.
   2) Schematic diagram of systems that interface with electrified door hardware.
   3) Point-to-point wiring.
   4) Risers.

3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.

   a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

4. Door Hardware Schedule:

   a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
   b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
   c. Indicate complete designations of each item required for each opening, include:
      1) Door Index: door number, heading number, and Architect's hardware set number.
      2) Quantity, type, style, function, size, and finish of each hardware item.
      3) Name and manufacturer of each item.
      4) Fastenings and other pertinent information.
      5) Location of each hardware set cross-referenced to indications on Drawings.
      6) Explanation of all abbreviations, symbols, and codes contained in schedule.
      7) Mounting locations for hardware.
      8) Door and frame sizes and materials.
      9) Degree of door swing and handing.
      10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.

5. Key Schedule:

   a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
   b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
   c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
   d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
   e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
   f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

6. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory or shop prepared for door hardware installation.

C. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
2. Provide Product Data:

   a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
   b. Include warranties for specified door hardware.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:

   a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
   b. Catalog pages for each product.
   c. Factory order acknowledgement numbers (for warranty and service)
   d. Name, address, and phone number of local representative for each manufacturer.
   e. Parts list for each product.
   f. Final approved hardware schedule edited to reflect conditions as installed.
   g. Final keying schedule
   h. Copies of floor plans with keying nomenclature
   i. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
   j. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

E. Inspection and Testing:

1. Submit a written report of the results of functional testing and inspection for fire door assemblies, in compliance with NFPA 80.

   a. Written report to be provided to the Owner and be made available to the Authority Having Jurisdiction (AHJ).
   b. Report to include the door number for each fire door assembly, door location, door and frame material, fire rating, and summary of deficiencies.

2. Submit a written report of the results of functional testing and inspection for required egress door assemblies, in compliance with NFPA 101.

   a. Written report to be provided to the Owner and be made available to the Authority Having Jurisdiction (AHJ).
   b. Report to include the door number for each required egress door assembly, door location, door and frame material, fire rating, and summary of deficiencies.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that provides certified Architectural Hardware Consultant

(AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.

a. Warehousing Facilities: In Project's vicinity.
b. Scheduling Responsibility: Preparation of door hardware and keying schedules.
c. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies like those indicated for this Project.
d. Coordination Responsibility: Assist in coordinating installation of electronic security hardware with Architect and electrical engineers and provide installation and technical data to Architect and other related subcontractors.
    1) Upon completion of electronic security hardware installation, inspect and verify that all components are working properly.

2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:

    a. For door hardware: DHI certified AHC or DHC.
    b. Can provide installation and technical data to Architect and other related subcontractors.
    c. Can inspect and verify components are in working order upon completion of installation.
    d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.

4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:

    a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
    b. Provide only items of door hardware that are listed products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

2. Smoke and Draft Control Door Assemblies:

    a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
    b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.

3. Electrified Door Hardware

    a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.

4. Accessibility Requirements:

a. Comply with governing accessibility regulations cited in “REFERENCES” article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

C. Pre-Installation Meetings

1. Keying Conference

a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
   1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
   2) Preliminary key system schematic diagram.
   3) Requirements for key control system.
   4) Requirements for access control.
   5) Address for delivery of keys.

2. Pre-installation Conference

a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
b. Inspect and discuss preparatory work performed by other trades.
c. Inspect and discuss electrical roughing-in for electrified door hardware.
d. Review sequence of operation for each type of electrified door hardware.
e. Review required testing, inspecting, and certifying procedures.
f. Review questions or concerns related to proper installation and adjustment of door hardware.

3. Electrified Hardware Coordination Conference:

a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.

B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer’s original packaging.

C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.06 COORDINATION

A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

E. Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

1.07 WARRANTY

A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.

1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer’s published listings.

a. Mechanical Warranty
1) Locks
a) Schlage L Series: 3 year
b) Falcon: 10 year
2) Exit Devices
a) Von Duprin: 3 year
3) Closers
a) LCN 4050 Series: 25 year
4) Accessories
a) Ives Continuous Hinges: Lifetime

b. Electrical Warranty
1) Locks
a) Schlage: 1 year
2) Exit Devices
a) Von Duprin: 1 year

1.08 MAINTENANCE

A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Approval of manufacturers and/or products other than those listed as “Scheduled Manufacturer” or “Acceptable Manufacturers” in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.

B. Approval of products from manufacturers indicated in “Acceptable Manufacturers” is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer’s product.

C. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

A. Fasteners

1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru bolts are required.
4. Install hardware with fasteners provided by hardware manufacturer.

B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

C. Cable and Connectors:

1. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with number and gage of wires enough to accommodate electric function of specified hardware.
2. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices.
3. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

2.03 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

a. Ives 5BB series

2. Acceptable Manufacturers and Products:

a. Hager BB1191/1279 series
b. McKinney TA/T4A series
c. Stanley FBB series

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:

a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high

4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:

a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
b. Interior: Heavy weight, steel, 5 inches (127 mm) high

5. 2 inches or thicker doors:

a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
b. Interior: Heavy weight, steel, 5 inches (127 mm) high

6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
7. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
8. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
9. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

a. Steel Hinges: Steel pins
b. Non-Ferrous Hinges: Stainless steel pins
c. Out-Swinging Exterior Doors: Non-removable pins
d. Out-Swinging Interior Lockable Doors: Non-removable pins
e. Interior Non-lockable Doors: Non-rising pins

10. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.

2.04 CONTINUOUS HINGES

A. Manufacturers:

1. Scheduled Manufacturer:

a. Ives

2. Acceptable Manufacturers:

a. Select
b. Roton

B. Requirements:

1. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
2. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
3. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
4. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
5. On fire-rated doors, provide aluminum geared continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
6. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.05 ELECTRIC POWER TRANSFER

A. Manufacturers:

1. Scheduled Manufacturer and Product:

a. Von Duprin EPT-10

B. Requirements:

1. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
2. Locate electric power transfer per manufacturer’s template and UL requirements, unless interference with operation of door or other hardware items.

2.06 MORTISE LOCKS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

a. Schlage L9000 series

2. Acceptable Manufacturers and Products:

a. Accurate 9000/9100 series
b. Sargent 8200 series

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3-hour fire doors.
2. Indicators: Where specified, provide indicator window measuring a minimum 2-inch x 1/2 inch with 180-degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.
3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to “KEYING” article, herein.
5. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1-inch (25 mm) throw, constructed of stainless steel.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
7. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches. Provide motor based electrified locksets that comply with the following requirements:

    a. Universal input voltage – single chassis accepts 12 or 24VDC to allow for changes in the field without changing lock chassis.
    b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case
    c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.
    d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate “hot levers” in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
    e. Connections – provide quick-connect Molex system standard.

8. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.

    a. Lever Design: **07A.**

2.07 TWO-POINT LOCK

A. Manufacturer and Product:

1. Scheduled Manufacturer and Product:

    a. Schlage LM9200

B. Requirements:

1. Provide concealed two-point locking system for use in pair wood door applications manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to “KEYING” article, herein.
2. Concealed Vertical Locking Devices: Vertical latch system in two-point for non-rated or fire rated wood doors up to a 45-minute rating and less bottom latch (LBL) configuration for non-rated or fire rated wood doors up to 20-minute rating.
3. Provide electrified lockset functions as scheduled in the hardware sets.
4. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses or escutcheon as scheduled and external lever spring cages. Provide

escutcheon trim which does not require the use of a backer plate in wood door applications. Provide thru-bolted levers with 2-piece spindles.

a. Lever Design: **07A.**

2.08 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

a. Von Duprin 98/35A series

2. Acceptable Manufacturers and Products:

a. Precision APEX 2000 series
b. Falcon 25/24 series

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to “KEYING” article, herein.
3. Provide smooth touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer’s approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.
15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

2.09 POWER SUPPLIES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

    a. Schlage/Von Duprin PS900 Series

B. Requirements:

1. Provide power supplies approved by manufacturer of supplied electrified hardware.
2. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.
3. Provide regulated and filtered 24 VDC power supply, and UL class 2 listed.
4. Provide power supplies with the following features:

    a. 12/24 VDC Output, field selectable.
    b. Class 2 Rated power limited output.
    c. Universal 120-240 VAC input.
    d. Low voltage DC, regulated and filtered.
    e. Polarized connector for distribution boards.
    f. Fused primary input.
    g. AC input and DC output monitoring circuit w/LED indicators.
    h. Cover mounted AC Input indication.
    i. Tested and certified to meet UL294.
    j. NEMA 1 enclosure.
    k. Hinged cover w/lock down screws.
    l. High voltage protective cover.

2.10 CYLINDERS

A. **[OPTION: S]**

1. Manufacturers and Products:

    a. Scheduled Manufacturer and Product:
        1) Schlage Everest 29 S

2. Requirements:

    a. Provide cylinders/cores compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset; manufacturer's series as indicated. Refer to "KEYING" article, herein.
    b. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
        1) Conventional Patented Open: cylinder with **interchangeable** core with open keyway.

    c. Patent Protection: Cylinders/cores requiring use of restricted, patented keys, patent protected.
    d. Nickel silver bottom pins.

B. Construction Keying:

    a. Replaceable Construction Cores.

1) Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
   a) 3 construction control keys
   b) 12 construction change (day) keys.
2) Owner or Owner's Representative will replace temporary construction cores with permanent cores.

2.11 KEYING

A. Scheduled System:

a. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

B. Requirements:

1. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.

   a. Master Keying system as directed by the Owner.

2. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
3. Provide keys with the following features:

   a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
   b. Patent Protection: Keys and blanks protected by one or more utility patent(s).

4. Identification:

   a. Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.
   b. Identification stamping provisions must be approved by the Architect and Owner.
   c. Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
   d. Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
   e. Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.

5. Quantity: Furnish in the following quantities.

   a. Change (Day) Keys: 3 per cylinder/core.
   b. **LFIC or SFIC** Permanent Control Keys: 3.
   c. Master Keys: 6.

2.12 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

    a. LCN 4050A series

2. Acceptable Manufacturers and Products:

    a. Falcon SC70A series
    b. Norton 7500 series

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with cast aluminum cylinder.
3. Closer Body: 1-1/2-inch (38 mm) diameter with 11/16-inch (17 mm) diameter heat-treated pinion journal and full complement bearings.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and all weather requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and back check.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide stick on templates, special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.13 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:

    a. Ives

2. Acceptable Manufacturers:

    a. Burns
    b. Trimco

B. Requirements:

1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.14 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers:

    a. Glynn-Johnson

2. Acceptable Manufacturers:

    a. Rixson
    b. Sargent

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.
2. Provide friction type at doors without closer and positive type at doors with closer.

2.15 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:

    a. Ives

2. Acceptable Manufacturers:

    a. Trimco
    b. Burns

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.
4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

2.16 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:

    a. Zero International

2. Acceptable Manufacturers:

    a. National Guard
    b. Reese

B. Requirements:

1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.

2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.17 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer:

a. Ives

2. Acceptable Manufacturers:

a. Burns
b. Trimco

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

2.18 DOOR POSITION SWITCHES

A. Manufacturers:

1. Scheduled Manufacturer:

a. Schlage

2. Acceptable Manufacturers:

a. GE-Interlogix
b. Sargent

B. Requirements:

1. Provide recessed or surface mounted type door position switches as specified.
2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches (102 mm) between switch and magnetic locking device.

2.19 FINISHES

A. Finish: BHMA 626/652 (US26D); except:

1. Hinges at Exterior Doors: BHMA 630 (US32D)
2. Aluminum Geared Continuous Hinges: BHMA 628 (US28)

3. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
4. Protection Plates: BHMA 630 (US32D)
5. Overhead Stops and Holders: BHMA 630 (US32D)
6. Door Closers: Powder Coat to Match
7. Wall Stops: BHMA 630 (US32D)
8. Latch Protectors: BHMA 630 (US32D)
9. Weatherstripping: Clear Anodized Aluminum
10. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.01 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.

B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.

C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

D. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Where on-site modification of doors and frames is required:

1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements specified herein.
2. Field modify and prepare existing doors and frames for new hardware being installed.
3. When modifications are exposed to view, use concealed fasteners, when possible.
4. Prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:

    a. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
    b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
    c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

3.03 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.

2. Custom Steel Doors and Frames: HMMA 831.
3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
4. Installation Guide for Doors and Hardware: DHI TDH-007-20

B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.

C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

F. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.

H. Lock Cylinders:

1. Replace construction cores with permanent cores as indicated in keying section.
2. Furnish permanent cores to Owner for installation.

I. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:

1. Conduit, junction boxes and wire pulls.
2. Connections to and from power supplies to electrified hardware.
3. Connections to fire/smoke alarm system and smoke evacuation system.
4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
5. Connections to panel interface modules, controllers, and gateways.
6. Testing and labeling wires with Architect's opening number.

J. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

K. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

L. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.

M. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.

N. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

O. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

P. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

Q. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

R. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.04 FIELD QUALITY CONTROL

A. Inspection and Testing:

1. Provide functional testing and inspection of fire door assemblies by a qualified person in accordance with NFPA 80.

    a. Schedule fire door assembly inspection within 90 days of Substantial Completion of the Project.
    b. Submit a signed, written final report as specified in Paragraph 1.03.E.1.
    c. Correct all deficiencies and schedule a reinspection of fire door assemblies noted as deficient on the inspection report.
    d. Inspector to reinspect fire door assemblies after repairs are made.

2. Provide inspection of required egress door assemblies by a qualified person in accordance with NFPA 101.

    a. Schedule egress door assembly inspection within 90 days of Substantial Completion of the Project for the required openings.
    b. Submit a signed, written final report as specified in Paragraph 1.03.E.2.
    c. Correct all deficiencies and schedule a reinspection of egress door assemblies noted as deficient on the inspection report.
    d. Inspector to reinspect required egress door assemblies after repairs are made.

3.05 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Spring Hinges: Adjust to achieve positive latching when door can close freely from an open position of 30 degrees.
2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.06 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items per manufacturer's instructions to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.07 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.

C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets:

Abbreviation	Name
DON	Don-Jo Manufacturing, Inc.
GLY	Glynn-Johnson Corp
IVE	H.B. Ives
LCN	Lcn Commercial Division
MIS	Misc - Out-Sourced Items
PEM	Pemko Mfg Co
SCE	Schlage Electronic Security
SCH	Schlage Lock Company
SPE	Special-Lite Inc
VON	Von Duprin
ZER	Zero International Inc

61025 OPT0230998 Version 2
HARDWARE GROUP NO. 01
Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	224HD EPT		628	IVE
2	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB		689	VON
2	EA	ELEC PANIC HARDWARE	RX-LC-QEL-98-NL-OP-110MD-CON 24 VDC		626	VON
2	EA	RIM CYLINDER	20-057 ICX		626	SCH
1	EA	MORTISE CYLINDER	20-061-ICX CAM AS REQUIRED USED WITH MULLION		626	SCH
3	EA	FSIC CORE	23-030 CKC		626	SCH
2	EA	FLUSH PULL	SL-82 (BY DOOR MANUFACTURER)			SPE
2	EA	SURFACE CLOSER	4050A SCUSH		689	LCN
2	EA	CUSH SHOE SUPPORT	4050A-30		689	LCN
2	EA	BLADE STOP SPACER	4050A-61		689	LCN
1	SET	WEATHER STRIPPING	BY FRP DOOR MANUFACTURER			MIS
1	EA	THRESHOLD	655A-223		A	ZER
2	EA	WIRE HARNESS	CON-XX-P LENGTH AS REQUIRED FOR USE WITH DOOR			SCH
2	EA	WIRE HARNESS	CON-6W FOR USE WITH HINGE			SCH
2	EA	DOOR CONTACT	679-05HM		BLK	SCE
1	EA	POWER SUPPLY	PS902 900-2RS 120/240 VAC		LGR	SCE
1	EA	CARD READER	BY SECURITY CONTRACTOR			MIS
1	EA	CUSTOM WIRING DIAGRAM	PROVIDED BY HARDWARE SUPPLIER			MIS

OPERATIONAL DESCRIPTION:
1. DOORS NORMALLY CLOSED AND LOCKED.
2. ENTRY BY VALID CREDENTIAL AT CARD READER WHICH SIGNALS THE LATCH OF EXIT DEVICE TO RETRACT AND ALLOW ENTRY. DOOR MAY ALSO BE OPENED MANUALLY VIA USE OF KEY IN OUTSIDE CONTROL.
3. DOOR MAY ALSO BE USED AS PUSH/PULL PROVIDED THE DOORS ARE ELECTRICALLY DOGGED DOWN.
4. FREE EGRESS AT ALL TIMES VIA THE PANIC DEVICE.
5. PANIC DEVIC HAS RX SWITCH WHICH WILL SIGNAL ACCESS CONTROL SYSTEM OF A VALID RELEASE.
6. EXIT DEVICE IS FAIL-SECURE UPON LOSS OF POWER DOORS WILL REMAIN LOCKED.

HARDWARE GROUP NO. 02
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050T 07A 09-544		626	SCH
1	EA	FSIC CORE	23-030 CKC		626	SCH
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE GROUP NO. 03
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	EU MORTISE LOCK	L9092TEU 07A RX CON 12/24 VDC		626	SCH
1	EA	FSIC CORE	23-030 CKC		626	SCH
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER
1	EA	WIRE HARNESS	CON-XX-P LENGTH AS REQUIRED FOR USE WITH DOOR			SCH
1	EA	WIRE HARNESS	CON-6W FOR USE WITH HINGE			SCH
1	EA	DOOR CONTACT	679-05HM		BLK	SCE
1	EA	CARD READER	BY SECURITY CONTRACTOR			MIS
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR			MIS

OPERATIONAL DESCRIPTION:
1. DOOR NORMALLY CLOSED AND LOCKED.
2. ENTRY BY VALID CREDENTIAL AT CARD READER WHICH SIGNALS ELECTRIC TRIM OF LOCK TO OPEN AND ALLOW ENTRY.
3. FREE EGRESS AT ALL TIMES VIA THE INSIDE LEVER HANDLE.
4. INSIDE LEVER HANDLE HAS RX SWITCH WHICH WILL SIGNAL ACCESS CONTROL SYSTEM OF A VALID RELEASE.
5. LOCK IS FAIL-SECURE UPON LOSS OF POWER DOOR WILL REMAIN LOCKED.

HARDWARE GROUP NO. 04
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	CLASSROOM LOCK	L9070T 07A		626	SCH
1	EA	FSIC CORE	23-030 CKC		626	SCH
1	EA	OH STOP	90S		630	GLY
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE GROUP NO. 05
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	EU MORTISE LOCK	L9092TEU 07A RX CON 12/24 VDC		626	SCH
1	EA	FSIC CORE	23-030 CKC		626	SCH
1	EA	OH STOP	90S		630	GLY
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER
1	EA	WIRE HARNESS	CON-XX-P LENGTH AS REQUIRED FOR USE WITH DOOR			SCH
1	EA	WIRE HARNESS	CON-6W FOR USE WITH HINGE			SCH
1	EA	DOOR CONTACT	679-05HM		BLK	SCE
1	EA	CARD READER	BY SECURITY CONTRACTOR			MIS
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR			MIS

OPERATIONAL DESCRIPTION:
1. DOOR NORMALLY CLOSED AND LOCKED.
2. ENTRY BY VALID CREDENTIAL AT CARD READER WHICH SIGNALS ELECTRIC TRIM OF LOCK TO OPEN AND ALLOW ENTRY.
3. FREE EGRESS AT ALL TIMES VIA THE INSIDE LEVER HANDLE.
4. INSIDE LEVER HANDLE HAS RX SWITCH WHICH WILL SIGNAL ACCESS CONTROL SYSTEM OF A VALID RELEASE.
5. LOCK IS FAIL-SECURE UPON LOSS OF POWER DOOR WILL REMAIN LOCKED.

HARDWARE GROUP NO. 06
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	CLASSROOM LOCK	L9070T 07A		626	SCH
1	EA	FSIC CORE	23-030 CKC		626	SCH
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE GROUP NO. 07 - Not Used

HARDWARE GROUP NO. 08
Provide each DE door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
2	EA	TWO PT PASSAGE LOCK	LM9210F 07A LBL		626	SCH
1	EA	SURFACE CLOSER	4050A CUSH		689	LCN
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ		689	LCN
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER

HARDWARE GROUP NO. 09
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ		689	LCN
1	EA	RE-USE	BALANCE OF EXISTING HARDWARE			

GC TO RE-WORK EXISTING FRAME AS REQUIRED FOR NEW HARDWARE

OPERATIONAL DESCRIPTION:
1. DOOR NORMALLY CLOSED AND LOCKED.
2. ENTRY BY VALID CREDENTIAL AT CARD READER ON DOOR WHICH SIGNALS ELECTRIC TRIM OF LOCK TO OPEN AND ALLOW ENTRY.
3. FREE EGRESS AT ALL TIMES VIA THE INSIDE LEVER HANDLE.
4. INSIDE LEVER HANDLE HAS RX SWITCH WHICH WILL SIGNAL ACCESS CONTROL SYSTEM OF A VALID RELEASE.
5. LOCK IS FAIL-SECURE UPON LOSS OF POWER DOOR WILL REMAIN LOCKED.

HARDWARE GROUP NO. 10
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	224HD		628	IVE
1	EA	PANIC HARDWARE	98-L-BE-07		626	VON
1	EA	SURFACE CLOSER	4050A EDA		689	LCN
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	SET	PERIMETER SEALS	BY ALUM DR MFG			MIS

HARDWARE GROUP NO. 11
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	SURFACE CLOSER	4050A CUSH		689	LCN
1	EA	RE-USE	BALANCE OF EXISTING HARDWARE			

GC TO RE-WORK EXISTING FRAME AS REQUIRED FOR NEW HARDWARE

OPERATIONAL DESCRIPTION:
1. DOOR NORMALLY CLOSED AND LOCKED.
2. ENTRY BY VALID CREDENTIAL AT CARD READER ON DOOR WHICH SIGNALS ELECTRIC TRIM OF LOCK TO OPEN AND ALLOW ENTRY.
3. FREE EGRESS AT ALL TIMES VIA THE INSIDE LEVER HANDLE.
4. INSIDE LEVER HANDLE HAS RX SWITCH WHICH WILL SIGNAL ACCESS CONTROL SYSTEM OF A VALID RELEASE.
5. LOCK IS FAIL-SECURE UPON LOSS OF POWER DOOR WILL REMAIN LOCKED.

HARDWARE GROUP NO. 12
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	SURFACE CLOSER	4050A EDA		689	LCN
1	EA	RE-USE	BALANCE OF EXISTING HARDWARE			

GC TO RE-WORK EXISTING FRAME AS REQUIRED FOR NEW HARDWARE

OPERATIONAL DESCRIPTION:
1. DOOR NORMALLY CLOSED AND LOCKED.
2. ENTRY BY VALID CREDENTIAL AT CARD READER ON DOOR WHICH SIGNALS ELECTRIC TRIM OF LOCK TO OPEN AND ALLOW ENTRY.
3. FREE EGRESS AT ALL TIMES VIA THE INSIDE LEVER HANDLE.
4. INSIDE LEVER HANDLE HAS RX SWITCH WHICH WILL SIGNAL ACCESS CONTROL SYSTEM OF A VALID RELEASE.
5. LOCK IS FAIL-SECURE UPON LOSS OF POWER DOOR WILL REMAIN LOCKED.

HARDWARE GROUP NO. 13
Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	224HD		628	IVE
6	EA	HINGE FILLER PLATE	FF SERIES MATCH EXISTING FRAME PREP AS REQUIRED		600	DON
2	EA	FIRE EXIT HARDWARE	9827-L-BE-F-LBRAFL-07-499F		626	VON
2	EA	SURFACE CLOSER	4050A SCUSH		689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	GASKETING	488FSBK PSA		BK	ZER
1	EA	MEETING STILE	S771		BLK	PEM

GC TO RE-WORK EXISTING FRAME AS REQUIRED FOR NEW HARDWARE

HARDWARE GROUP NO. 14
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	224HD EPT		628	IVE
1	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	ELEC PANIC HARDWARE	RX-LC-QEL-98-NL-OP-110MD-CON 24 VDC		626	VON
1	EA	RIM CYLINDER	20-057 ICX		626	SCH
1	EA	FSIC CORE	23-030 CKC		626	SCH
1	EA	FLUSH PULL	SL-82 (BY DOOR MANUFACTURER)			SPE
1	EA	SURFACE CLOSER	4050A SCUSH		689	LCN
1	SET	WEATHER STRIPPING	BY FRP DOOR MANUFACTURER			MIS
1	EA	THRESHOLD	655A-223		A	ZER
1	EA	WIRE HARNESS	CON-XX-P LENGTH AS REQUIRED FOR USE WITH DOOR			SCH
1	EA	WIRE HARNESS	CON-6W FOR USE WITH HINGE			SCH
1	EA	DOOR CONTACT	679-05HM		BLK	SCE
1	EA	POWER SUPPLY	PS902 900-2RS 120/240 VAC		LGR	SCE
1	EA	CARD READER	BY SECURITY CONTRACTOR			MIS
1	EA	CUSTOM WIRING DIAGRAM	PROVIDED BY HARDWARE SUPPLIER			MIS

OPERATIONAL DESCRIPTION:
1. DOORS NORMALLY CLOSED AND LOCKED.
2. ENTRY BY VALID CREDENTIAL AT CARD READER WHICH SIGNALS THE LATCH OF EXIT DEVICE TO RETRACT AND ALLOW ENTRY. DOOR MAY ALSO BE OPENED MANUALLY VIA USE OF KEY IN OUTSIDE CONTROL.
3. DOOR MAY ALSO BE USED AS PUSH/PULL PROVIDED THE DOORS ARE ELECTRICALLY DOGGED DOWN.
4. FREE EGRESS AT ALL TIMES VIA THE PANIC DEVICE.
5. PANIC DEVICE HAS RX SWITCH WHICH WILL SIGNAL ACCESS CONTROL SYSTEM OF A VALID RELEASE.
6. EXIT DEVICE IS FAIL-SECURE UPON LOSS OF POWER DOORS WILL REMAIN LOCKED.

HARDWARE GROUP NO. 15
Provide each CO door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CASED OPENING	NO HARDWARE REQUIRED		MIS

HARDWARE GROUP NO. 16
Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	SURFACE CLOSER	4050A EDA		689	LCN
1	EA	RE-USE	BALANCE OF EXISTING HARDWARE			

END OF SECTION

MARGATE MUNICIPAL BUILDING DOOR SCHEDULE

NO	ROOM NAME	DOOR						FRAME					REMARKS
		WIDTH	HEIGHT	THK	TYPE	MAT	FIN	TYPE	MAT	FIN	HARDWARE SET #	RATING	
101	VESTIBULE-101	(2) 3'-0"	7'-0"	1-3/4"	D	AL/FRP	FACTORY	F7	AL	FACTORY	01		SEE NOTE 3
102	CORRIDOR-102	(2) 3'-0	7'-0"	1-3/4"	D	AL/FRP	FACTORY	F8	AL	FACTORY	01		SEE NOTE 3
103	TAX OFFICE-103	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F6	HM	PTD	02		
104	TAX/UTILITIES RECEPTION-104	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F12	HM	PTD	03	20 MIN	SEE NOTE 3
105	FINANCE OFFICE-105	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F6	HM	PTD	02		
106	FINANCE WORKROOM-106	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F6	HM	PTD	04		
106A	FINANCE WORKROOM-106	3'-0"	7'-0"	NA	NA	NA	NA	F2	HM	PTD	15		CASED OPENING
107	ASSIST CFO OFFICE-107	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F6	HM	PTD	02		
108	PAYROLL OFFICE-108	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F6	HM	PTD	02		
109	RECEPTION-109	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F1	HM	PTD	05	20 MIN	SEE NOTE 3
110	CFO OFFICE-110	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F6	HM	PTD	02		
111	MEETING ROOM-111	3'-0"	7'-0"	1-3/4"	B	WOOD	STAIN	F6	HM	PTD	06		
113	MAYOR & BA OFFICE-113	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	09	20 MIN	SEE NOTE 3
120	MUNICIPAL COURT-120	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	09	20 MIN	SEE NOTE 3
122	MECHANICAL ROOM-121	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	09	20 MIN	SEE NOTE 3
123	STAIR	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	10	45 MIN	SEE NOTE 3
124	MENS TOILET-124	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	09	20 MIN	SEE NOTE 3
125	WOMENS TOILET-125	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	09	20 MIN	SEE NOTE 3
126	STORAGE-126	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	11	20 MIN	SEE NOTE 3
127	CONSTRUCTION INSPECTORS-127	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	12	20 MIN	SEE NOTE 3
130	BUILDING DEPARTMENT-130	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	12	20 MIN	SEE NOTE 3
131	STAIR-131	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	16	90 MIN	SEE NOTE 3
132	PUBLIC WORKS OFFICE-132	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	12	20 MIN	SEE NOTE 3
134	ZONING OFFICE-134	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	12	20 MIN	SEE NOTE 3
135	CUST. CLOSET-135	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	11	20 MIN	SEE NOTE 3
136	STORAGE-136	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	9	20 MIN	SEE NOTE 3
137	SYSTEM ADMIN-137	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	9	20 MIN	SEE NOTE 3
138	CONFERENCE ROOM-138	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	12	20 MIN	SEE NOTE 3
144	TAX ASSESSOR-144	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	12	20 MIN	SEE NOTE 3
151	MUNICIPAL CLERK-151	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	11	20 MIN	SEE NOTE 3
152	COPY ROOM-152	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	09	20 MIN	SEE NOTE 3
154	STAIR-154	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	13	45 MIN	
155	CORRIDOR-155	ETR	ETR	ETR	ETR	ETR	STAIN	ETR	ETR	PTD	08	45 MN	
169A	MULTI PURPOSE ROOM-169	3'-8"	7'-0"	1-3/4"	B	FRP	FACTORY	F11	AL	FACTORY	14		SEE NOTE 3
169B	MULTI PURPOSE ROOM	3'-8"	7'-0"	1-3/4"	B	FRP	FACTORY	F11	AL	FACTORY	14		SEE NOTE 3

NOTES:

1 KEYING TO MATCH EXISTING
2 REFER TO DOOR ELEVATIONS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION
3 PROVIDE POWER TO DOOR FOR SWIPE CARD - UNDER SEPARATE CONTRACT

SETTEMBRINO ARCHITECTS
Settembrino Architects
25 Bridge Avenue, Suite 201
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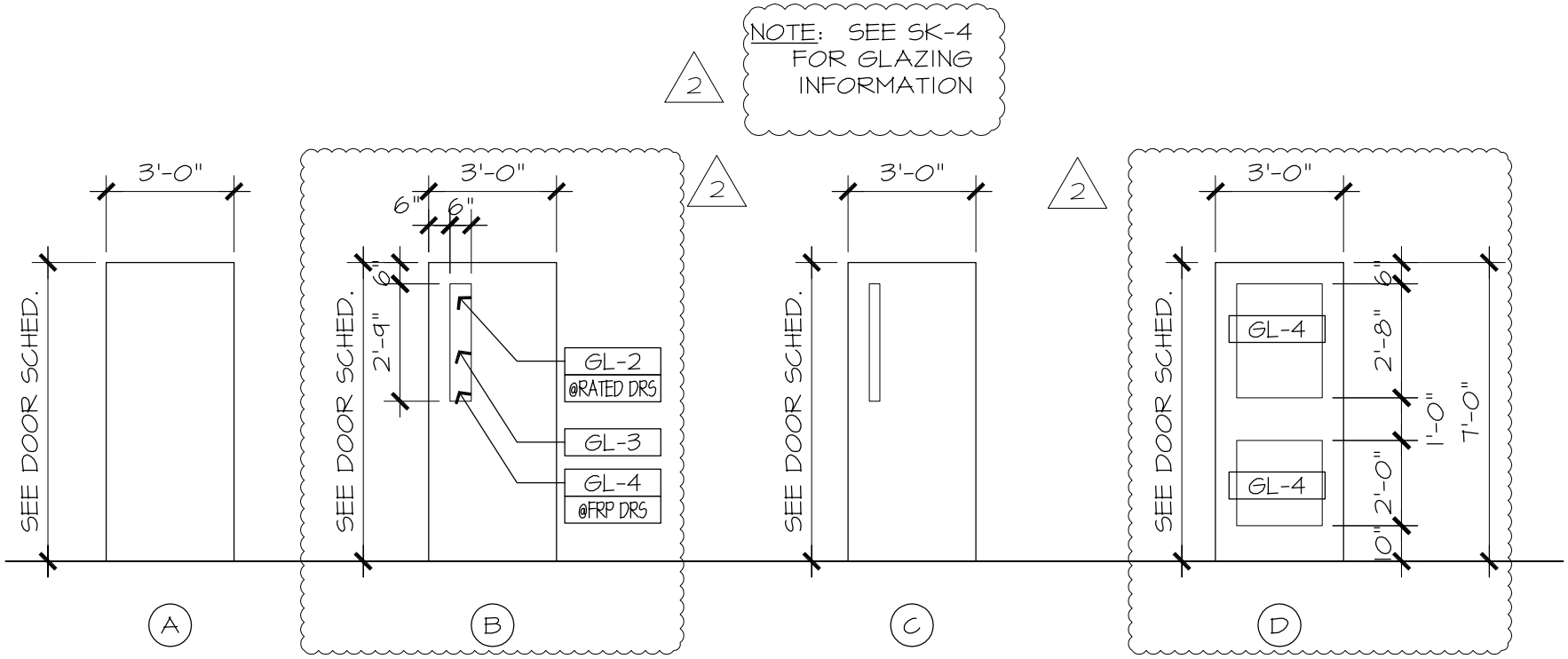
732 741 4900
Fax 741-4977

INTERIOR RENOVATIONS TO
MARGATE MUNICIPAL BUILDING
9001 WINCHESTER AVENUE
MARGATE, NJ 08402

Drawn By:
Date Issued: ADDENDUM - 01.28.2022
Scale: NTS
Project No.: 21.016

DOOR SCHEDULE - REVISED

Reference: A-401
Drawing: SK-1



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INTERIOR RENOVATIONS TO

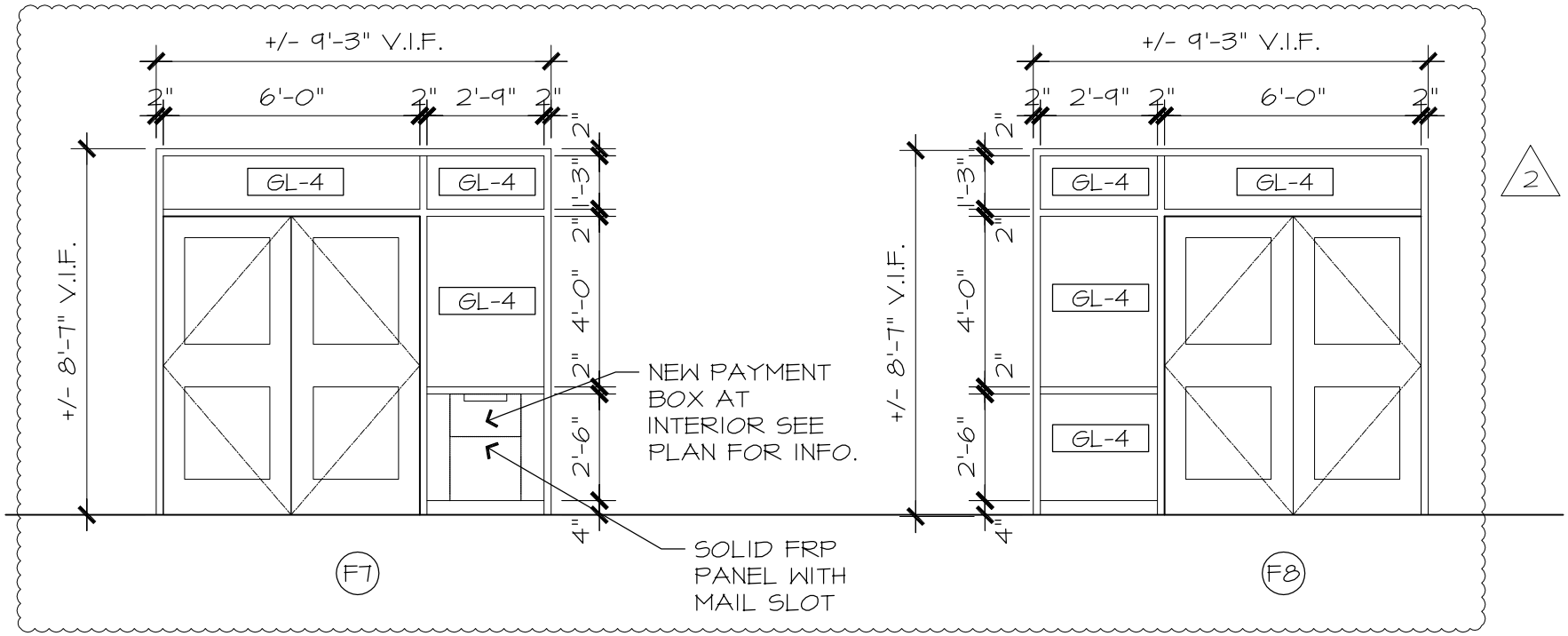
MARGATE MUNICIPAL BUILDING

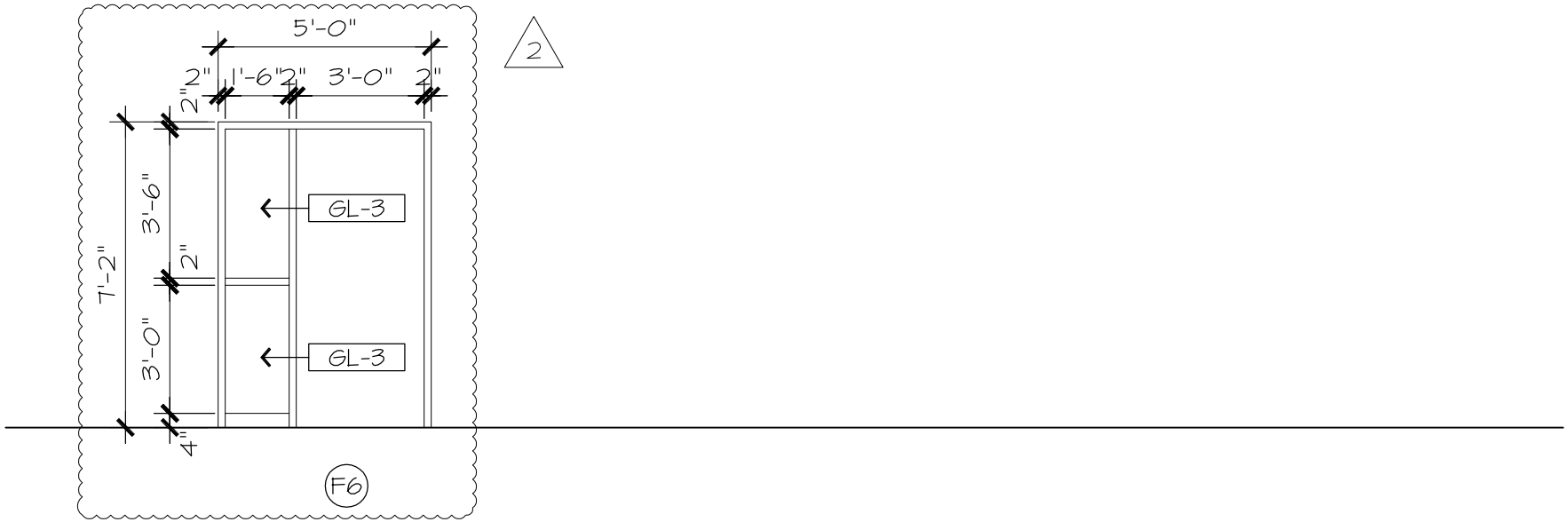
9001 WINCHESTER AVENUE
MARGATE, NJ 08402

Drawn By:	
Date Issued:	ADDENDUM 2 - 01.24.2022
Scale:	1/4" = 1'-0"
Project No.:	21.016

DOOR ELEVATIONS - REVISED

Reference: 2/A-401 Drawing: SK-2





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INTERIOR RENOVATIONS TO

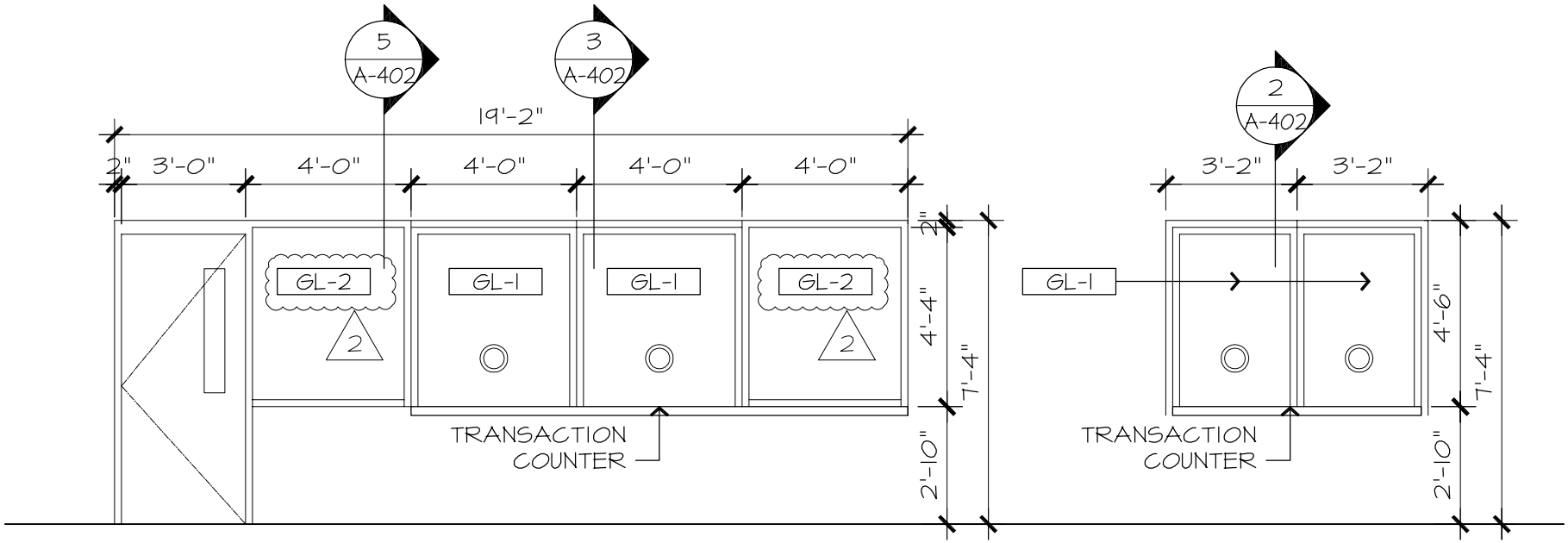
MARGATE MUNICIPAL BUILDING

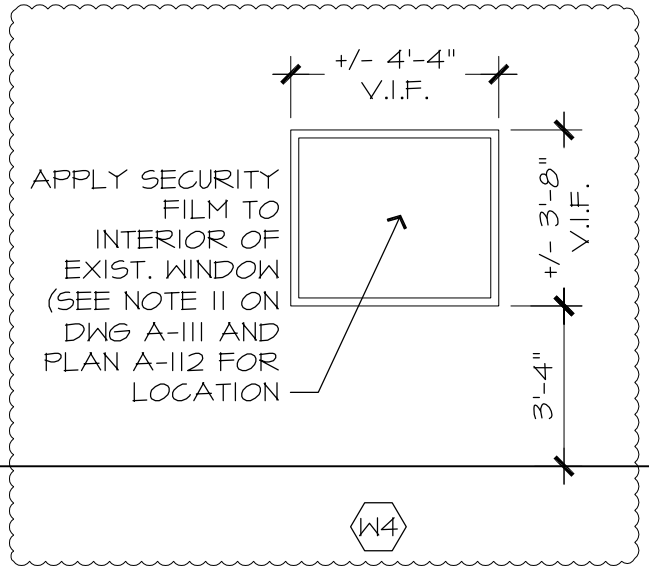
9001 WINCHESTER AVENUE
MARGATE, NJ 08402

Drawn By:	
Date Issued:	ADDENDUM 2 - 01.24.2022
Scale:	1/4" = 1'-0"
Project No.:	21.016

DOOR FRAME ELEVATION REVISIONS

Reference: 3/A-401 Drawing: SK-3





GL-1	BALLISTIC LEVEL 3 GLAZING
GL-2	1 HOUR FIRE RATED TEMPERED GLAZING WITH SECURITY FILM ON INTERIOR SIDE - AT CORRIDOR
GL-3	TEMPERED LAMINATED GLAZING
GL-4	1" INSULATED TEMP/LAM. GLAZING W/SECURITY FILM ON INTERIOR AT ALL NEW FRP DOORS LITES + STOREFRONT

2

SETTEMBRINO ARCHITECTS

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INTERIOR RENOVATIONS TO

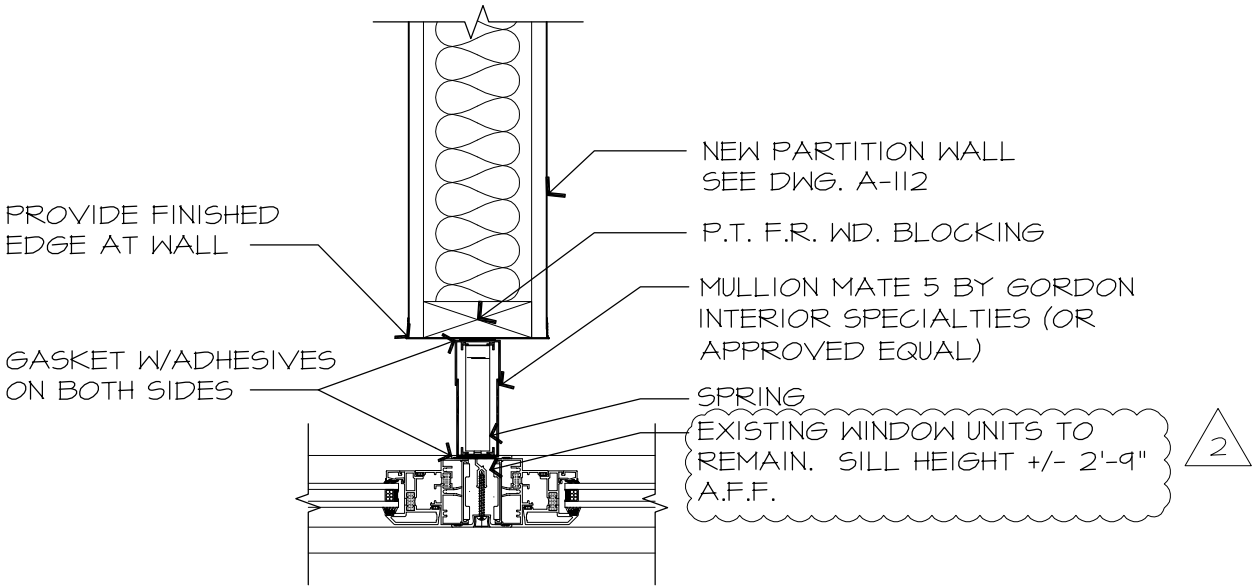
MARGATE MUNICIPAL BUILDING

9001 WINCHESTER AVENUE
MARGATE, NJ 08402

Drawn By:	
Date Issued:	ADDENDUM 2 - 01.24.2022
Scale:	1/4" = 1'-0"
Project No.:	21.016

TRANSACTION WINDOW SCHEDULE - REVISED

Reference: 1/A-402 Drawing: SK-4



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INTERIOR RENOVATIONS TO

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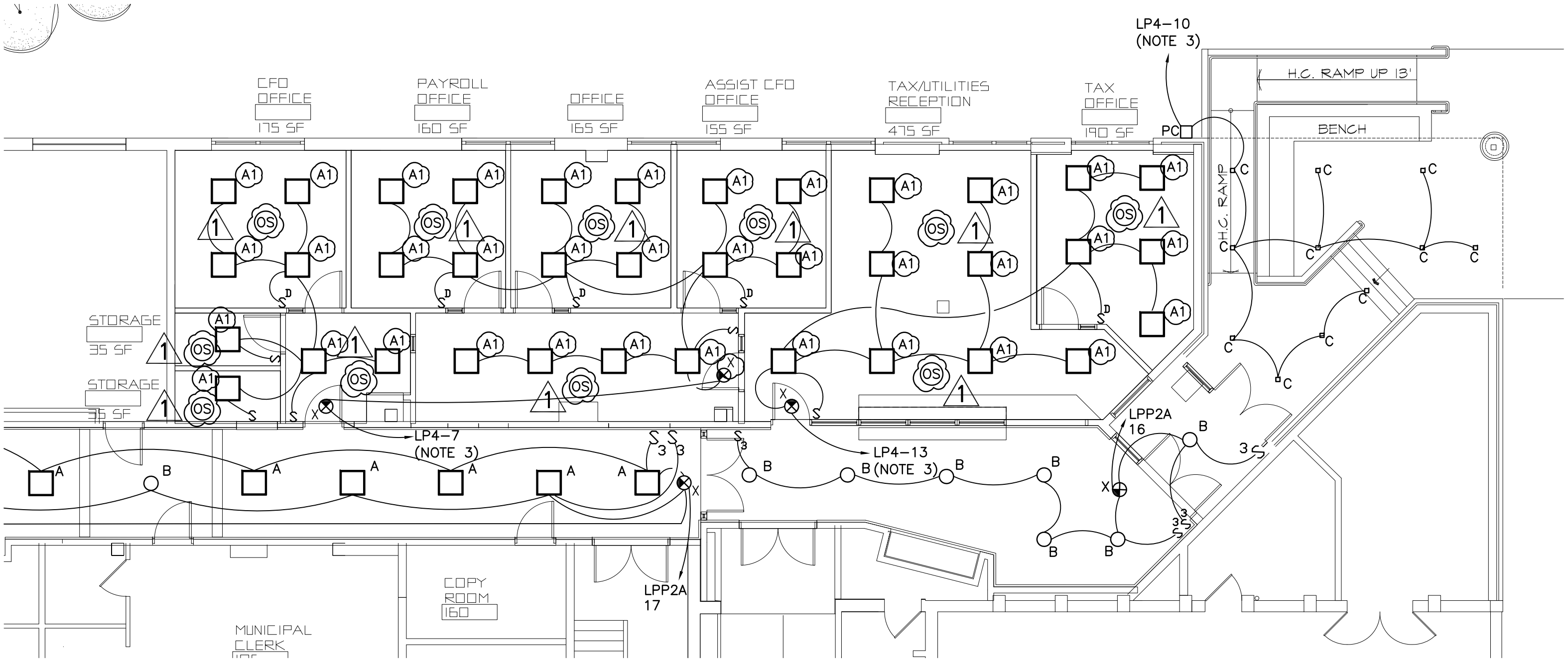
9001 WINCHESTER AVENUE
MARGATE, NJ 08402

Drawn By:	
Date Issued:	ADDENDUM 2 - 01.24.2022
Scale:	1-1/2" = 1'-0"
Project No.:	21.016

DETAIL-NEW WALL @ EXIST. WALL - REVISED

Reference: 6/A-402 Drawing: SK-5



1 ELECTRICAL LIGHTING FLOOR PLAN

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

NO.	REVISION	DATE	BY	CHK. BY
1	ADDENDUM NO. 2	1/22	S.M.	

24 GA 28003800

REMINGTON & VERNICK ENGINEERS

232 KING'S HIGHWAY EAST HADDONFIELD, N.J. 08033

(856) 795-9595, FAX (856) 795-1882, WEB SITE ADDRESS: WWW.RVE.COM

SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET NO.
AS NOTED	1-17-2022	S.M.	S.M.		0116U168	ESK-1

DWG FILE PATH/NAME

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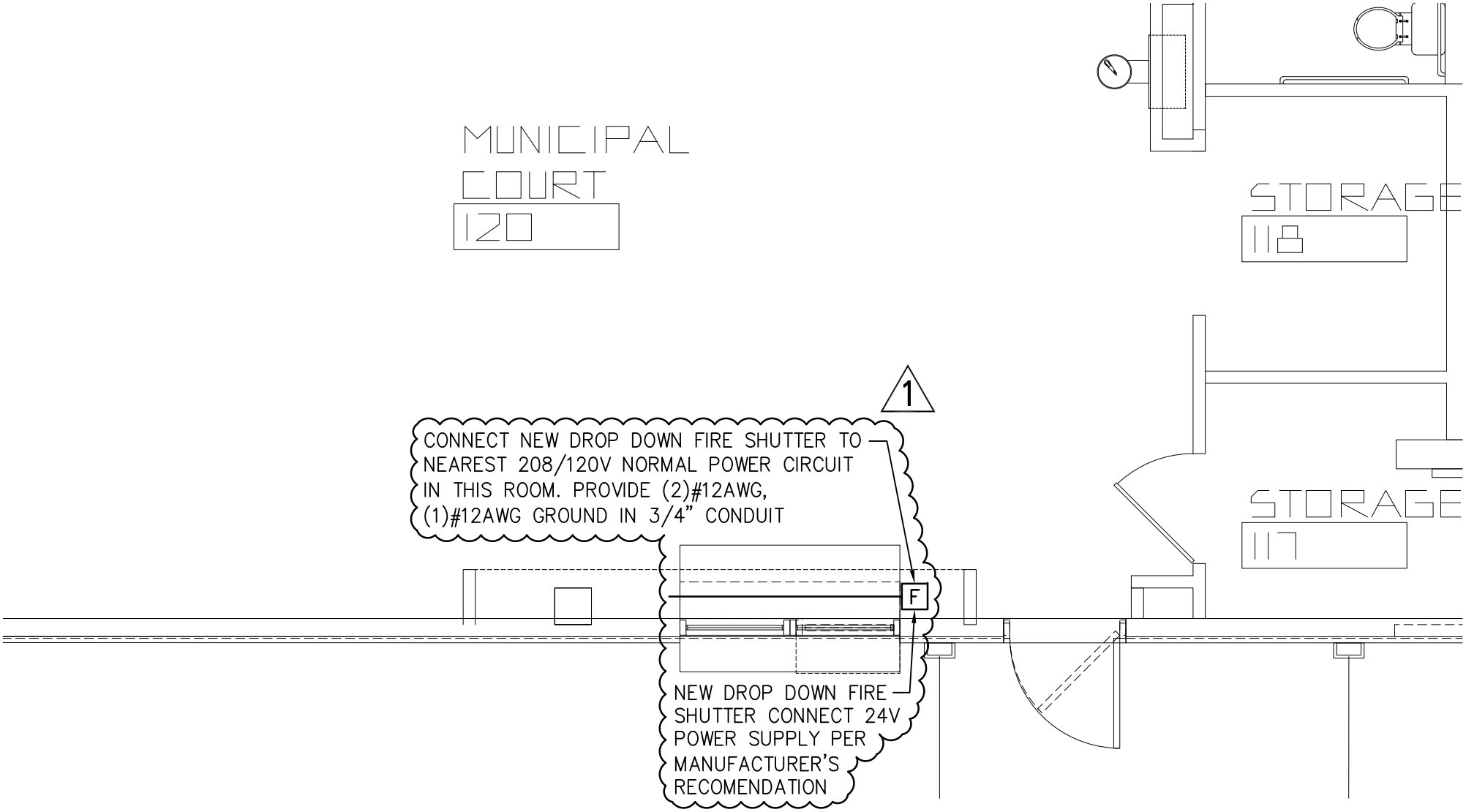

1 ELECTRICAL POWER FLOOR PLAN

SCALE: 1/4"=1'-0"

NO.	REVISION	DATE	BY	CHK. BY
1	ADDENDUM NO. 2	1/22	S.M.	

24 GA 28003800

RVE 1901

REMINGTON & VERNICK ENGINEERS

232 KING'S HIGHWAY EAST HADDONFIELD, N.J. 08033

(856) 795-9595, FAX (856) 795-1882, WEB SITE ADDRESS: WWW.RVE.COM

SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET NO.
AS NOTED	1-17-2022	S.M.	S.M.		0116U168	ESK-2

DWG FILE PATH/NAME

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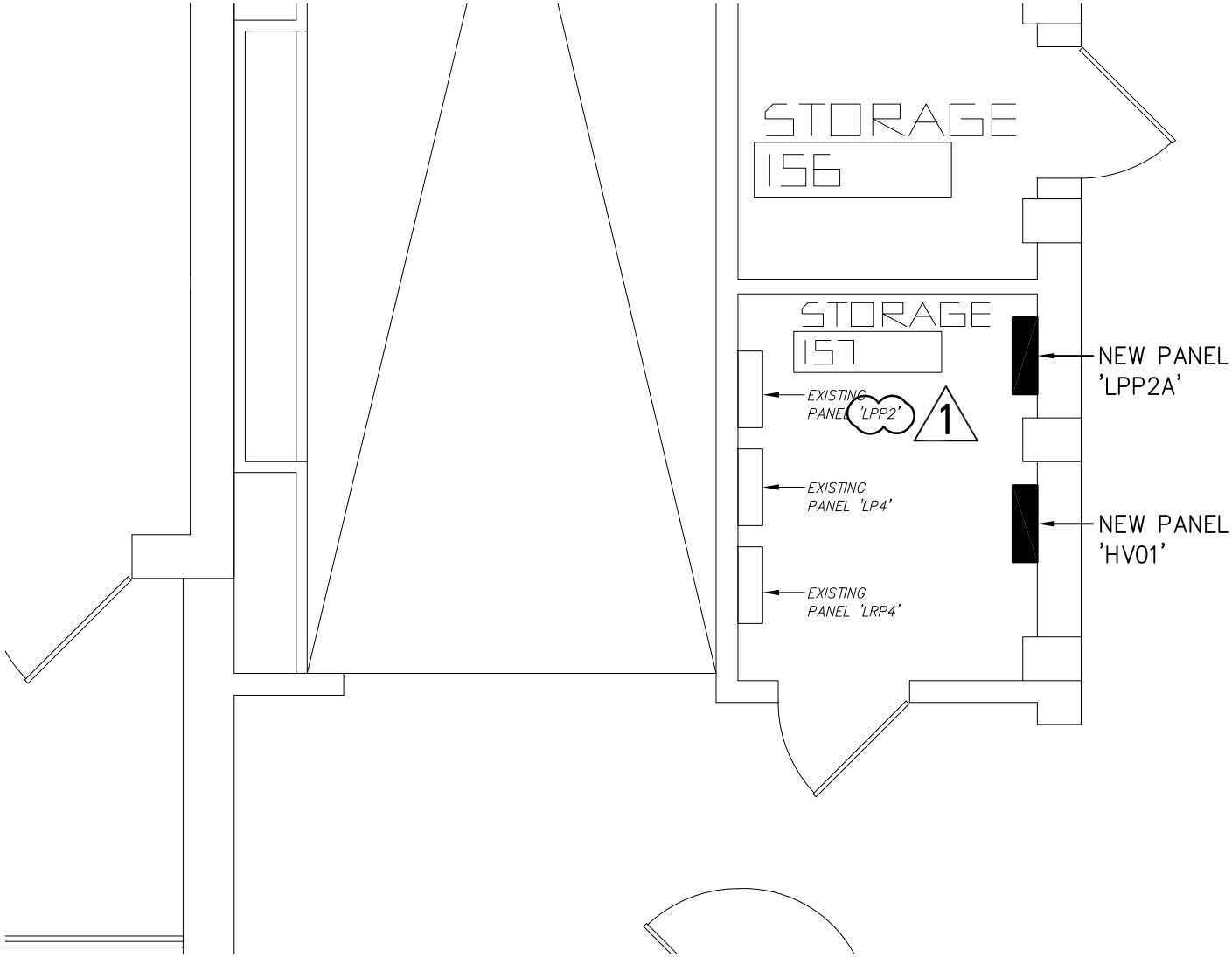

1

ELECTRICAL POWER FLOOR PLAN

SCALE: 1/4"=1'-0"

NO.	REVISION	DATE	BY	CHK. BY
1	ADDENDUM NO. 2	1/22	S.M.	

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SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET NO.
AS NOTED	1-17-2022	S.M.	S.M.		0116U168	ESK-3

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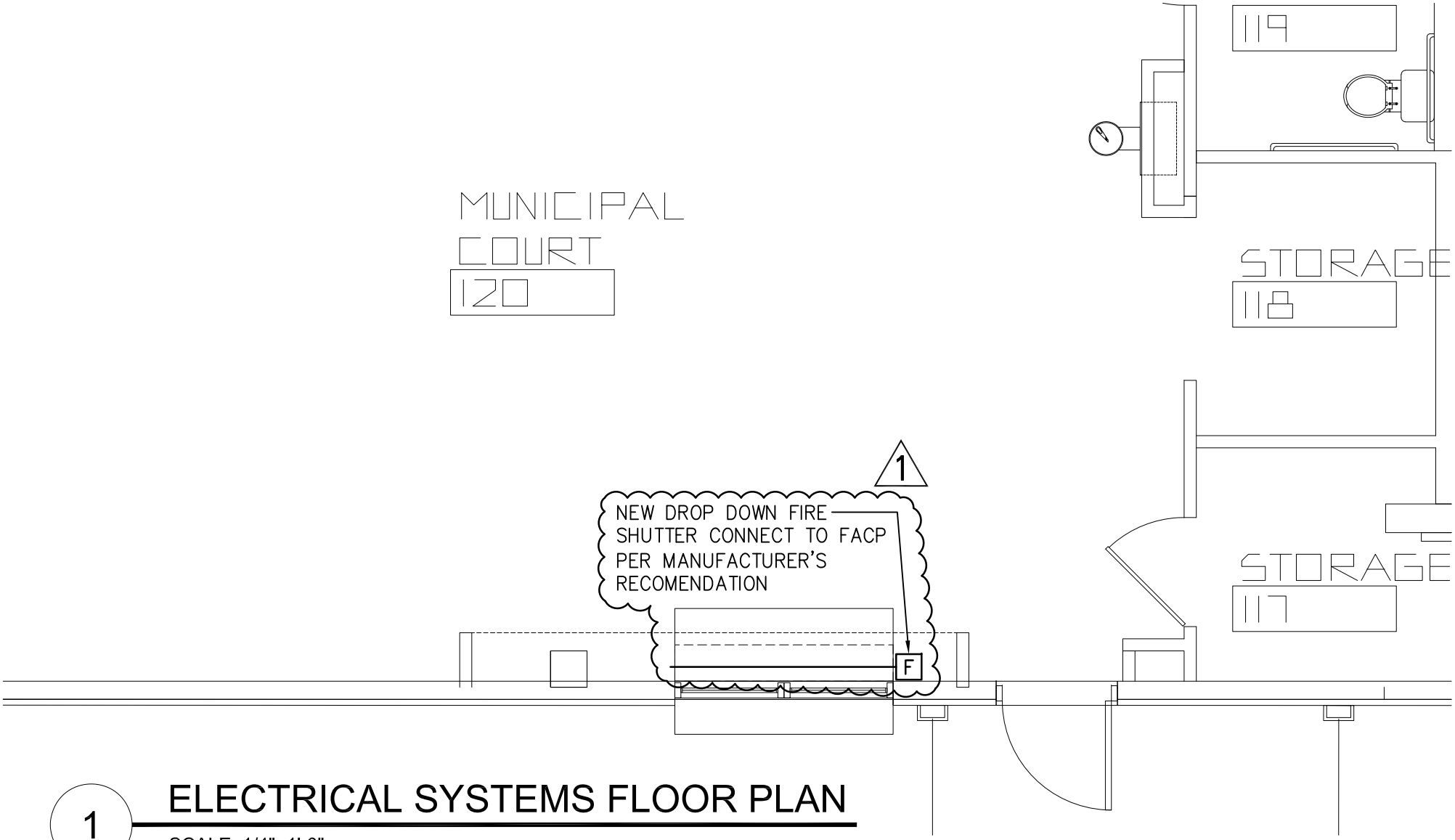

1 ELECTRICAL SYSTEMS FLOOR PLAN

SCALE: 1/4"=1'-0"

NO.	REVISION	DATE	BY	CHK. BY
1	ADDENDUM NO. 2	1/22	S.M.	

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SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET NO.
AS NOTED	1-17-2022	S.M.	S.M.		0116U168	ESK-4

DWG FILE PATH/NAME

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LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	REMARKS
A	2' x 2' LED TROFFER	RECESSED	H.E.WILLIAMS	LT-22-L27/835-AF-DIM-UNV	LED 21.3WATTS	UNV	
A1	2' x 2' LED TROFFER	RECESSED	H.E.WILLIAMS	LT-22-L39/835-AF-DIM-UNV	LED 33.1 WATTS		
B	LED SURFACE MOUNTED LIGHT	SURFACE	MODERN FORMS	FM-W44815-3500K-BK	LED 31.W WATTS	UNV	
C	4.5" LED LENSED DOWNLIGHT	RECESSED	H.E. WILLIAMS	4DR-TL-L10/835-DIM-UNV-OW-OF-CS-MWT-N	LED 9 WATTS	UNV	RATED FOR WET LOCATIONS
X	LED EXIT SIGN	CEILING	DUAL-LITE	LE-C-S-R-W-A	LED 2.2 WATTS	UNV	

NOTE: ALL FIXTURE FINISHES SHALL BE DETERMINED BY ARCHITECT.

1

NO.	REVISION	DATE	BY	CHK. BY
1	ADDENDUM NO. 2	1/22	S.M.	

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AS NOTED	1-17-2022	S.M.	S.M.		0116U168	ESK-5

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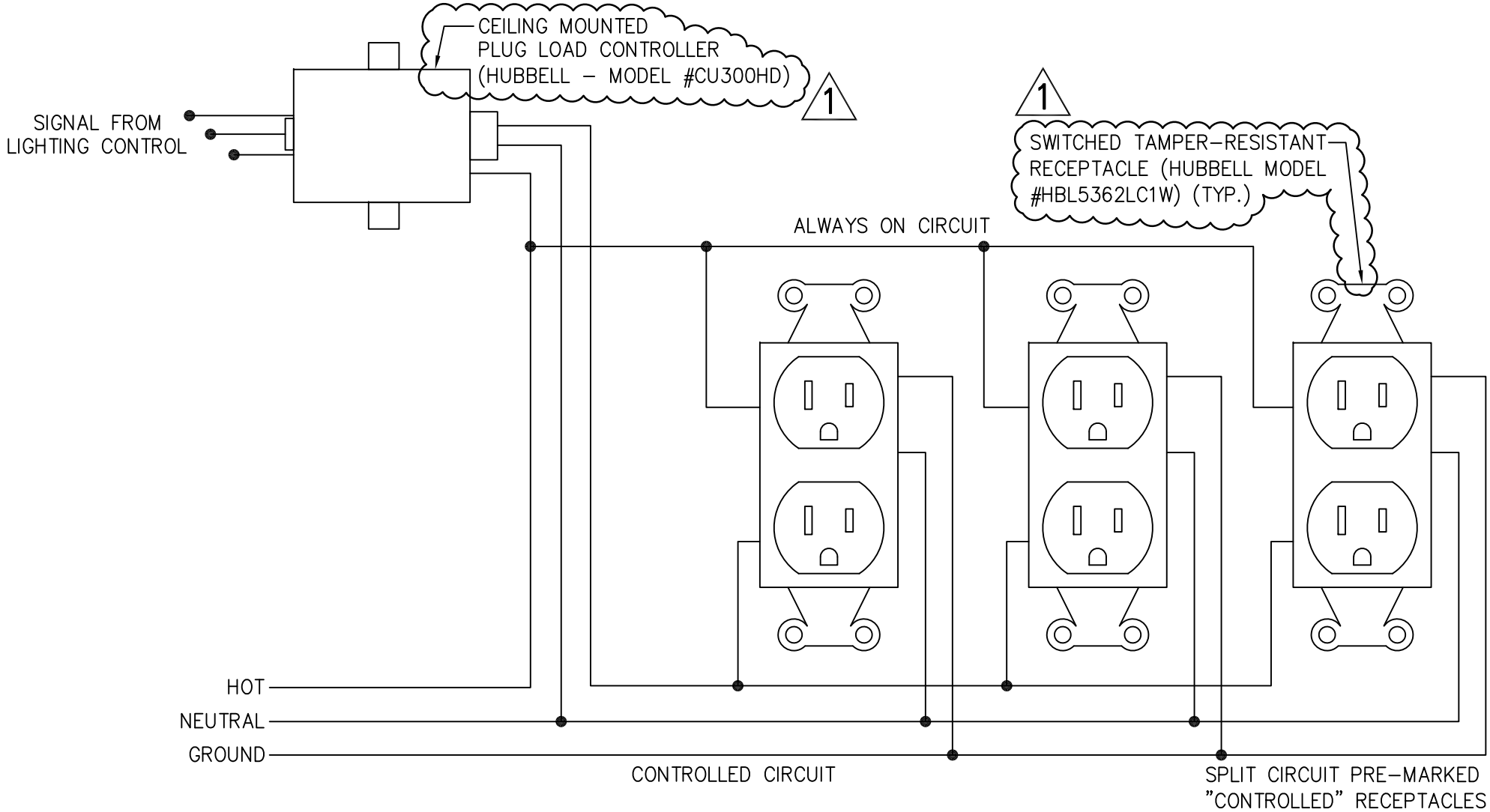

2 AUTOMATIC RECEPTACLE CONTROL DETAIL

N.T.S.

NO.	REVISION	DATE	BY	CHK. BY
1	ADDENDUM NO. 2	1/22	S.M.	

24 GA 28003800

REMINGTON & VERNICK ENGINEERS
232 KING'S HIGHWAY EAST HADDONFIELD, N.J. 08033
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SCALE	DATE	DRAWN BY	DSGN. BY	CHK'D. BY	DWG. NO.	SHEET NO.
AS NOTED	1-17-2022	S.M.	S.M.		0116U168	ESK-6

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