

Smoke/Carbon Monoxide Detectors for:

Pawtucket Housing Authority

Burns Manor - 95 Park Street
Fogarty Manor - 214 Roosevelt Avenue
Kennedy Manor - 175 Broad Street
St. Germain Manor - 401 Mineral Spring Avenue
Pawtucket, Rhode Island

OWNER
Pawtucket Housing Authority
214 Roosevelt Avenue
Pawtucket, RI 02860
P: (401) 721-6000

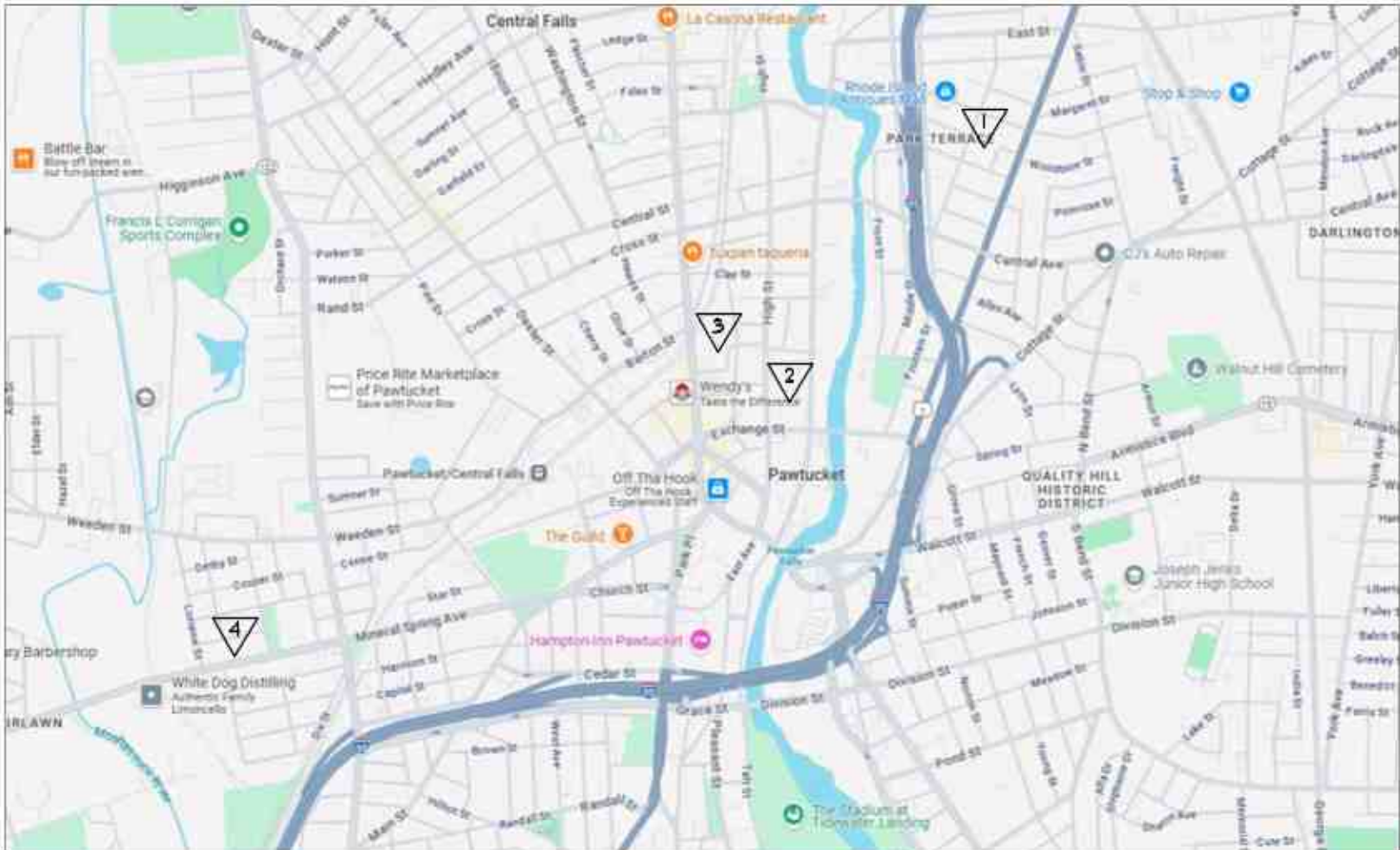
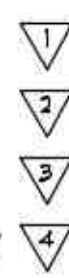
DATE: MAY 7, 2025
RELEASED FOR: CONSTRUCTION DOCUMENTS

DRAWINGS

FIRE ALARM

- FA-00: Fire Alarm - Legends & Notes
- FA-G10: St. Germain Manor - Key Plan
- FA-F10: Fogarty Manor - Single Bedroom & Two Bedroom Part Plans
- FA-B10: Burns Manor - Single Bedroom Part Plans
- FA-K10: Kennedy Manor - Single Bedroom & Two Bedroom Part Plans

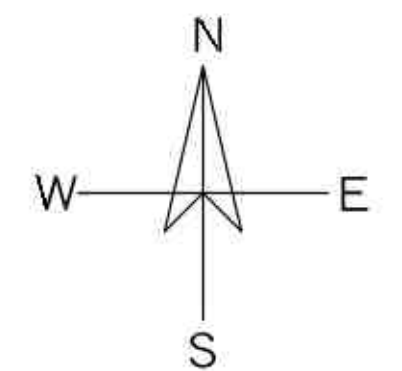
Burns Manor
Fogarty Manor
Kennedy Manor
St. Germain Manor



LOCUS MAP NTS

ARCHITECT Ed Wojcik, Architect, Ltd. One Richmond Square, Suite 100K Providence, RI 02906 P: 401-861-7139	FIRE ALARM ENGINEER Engineering Design Services, Inc. 141 Industrial Highway Slatersville, RI 02876 P: 401-765-7659
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

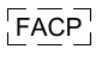
SHEET CONTENTS:
Drawing List
Locus Map

PROJECT # 0725
DATE: 05/07/2025
REVISED DATE:

CVR

ISSUED FOR CONSTRUCTION - MAY 7, 2025

FIRE ALARM RISER NOTES	
①	PROVIDE FIRE ALARM ISOLATION MODULE AT THE BEGINNING AND END OF EACH LOOP OF INITIATING DEVICES. ALSO PROVIDE FIRE ALARM ISOLATION MODULE AT A MAXIMUM OF EVERY 25 DEVICES ON LOOP.
②	PROVIDE 20 AMP CIRCUIT (2#12 + 1#12 GND. IN 3/4"C.) FROM SPARE BREAKER IN LOCAL 120/208V PANEL FOR EACH NEW NAC PANEL. PROVIDE BREAKER LOCK-ON DEVICE.
③	GROUND NEW NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL, PER LATEST EDITION OF NATIONAL ELECTRICAL CODE.

FIRE ALARM LEGEND	
TYPICAL INDUSTRY SYMBOL	DESCRIPTION / REMARKS
	(NEW), FIRE ALARM SYSTEM, COMBINATION SMOKE / CARBON MONOXIDE DETECTOR.
	(EXISTING), FIRE ALARM SYSTEM, COMBINATION SMOKE / CARBON MONOXIDE DETECTOR.
	(EXISTING), FIRE ALARM SYSTEM, LOW FREQUENCY HORN.
	(EXISTING), FIRE ALARM SYSTEM CONTROL PANEL.

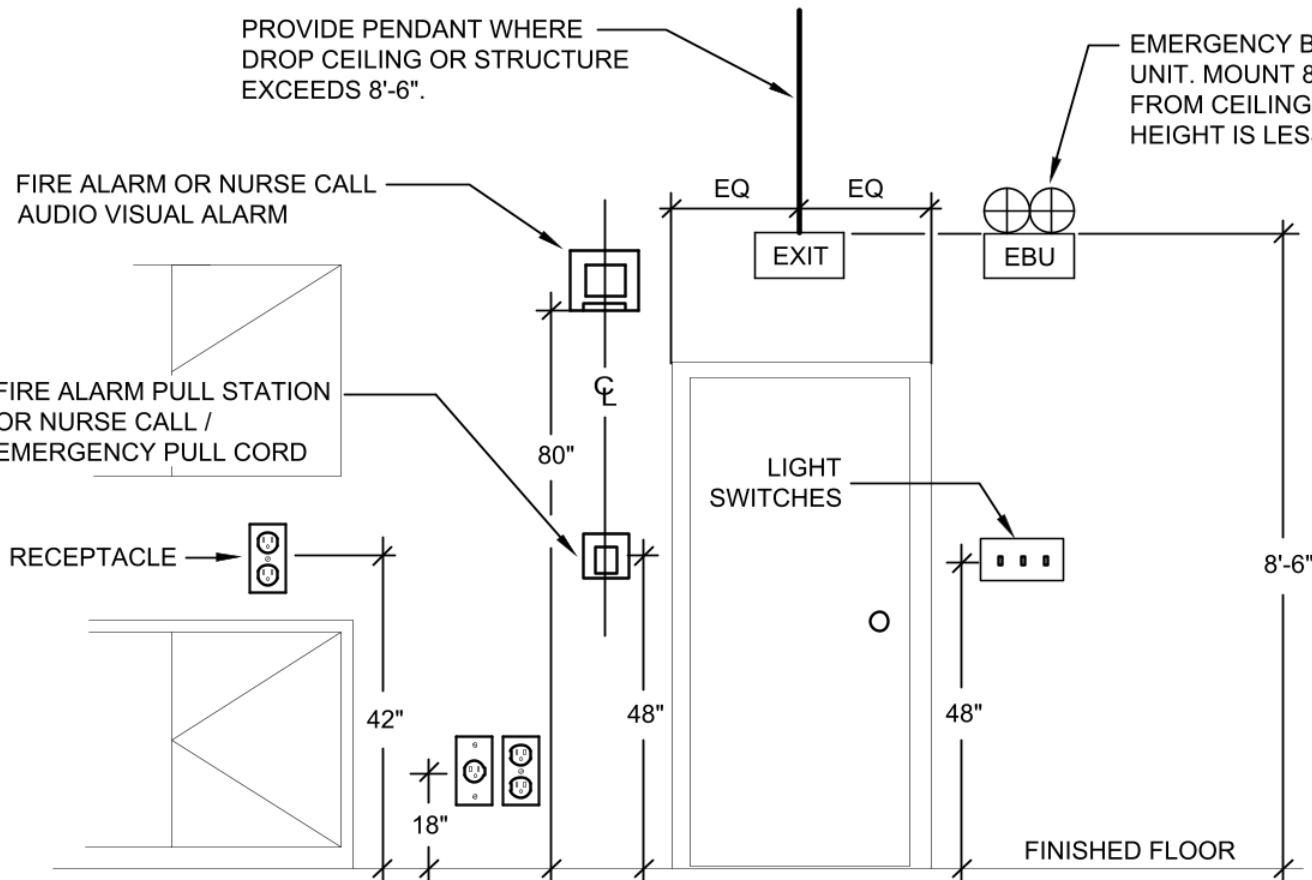
DEVICE INDICATED IN THIS RISER ARE FOR GENERAL INTENT ONLY. ACTUAL DEVICE QUANTITIES TO BE TAKEN FROM FLOOR PLANS. (TYPICAL)

NOTE:
CONTRACTOR SHALL PROVIDE ADDITIONAL POWER SUPPLIES IN FIRE ALARM CONTROL PANEL AS REQUIRED, TO PROVIDE POWER FOR ALL NOTIFICATION DEVICES. (TYPICAL)

TIE NEW FIRE ALARM SYSTEM INITIATING DEVICES INTO LOCAL AREA / FLOORS EXISTING FIRE ALARM SYSTEM INITIATING LOOP / CIRCUIT. NEW DEVICES SHALL MATCH EXISTING SYSTEMS MANUFACTURER, TYPE, ETC. COORD. INSTALLATION AND TIE-IN OF EXISTING SYSTEM WITH LOCAL MANUFACTURER'S REPRESENTATIVE PRIOR TO ANY WORK.

"PARTIAL" FIRE ALARM RISER DIAGRAM

NOT TO SCALE



NOTE:
THIS DETAIL INDICATES CENTERLINE FOR FIRE ALARM/PULL STATION SWITCHES AND RECEPTACLES. HOWEVER THIS SAME CENTERLINE PRINCIPLE SHALL BE FOR ALL GROUP MTD. ELECTRICAL DEVICES. IF FIRE ALARM IS ON SAME SIDE OF DOOR AS SWITCHES, PULL STATION SHALL BE HORIZONTALLY SEPARATED BY A MINIMUM OF 18". THIS ELEVATION IS A GENERAL ARRANGEMENT OF DEVICES. ARCHITECT PLANS TAKE PRECEDENCE FOR EXACT LOCATIONS.

MOUNTING HEIGHT DETAIL

NOT TO SCALE

FIRE ALARM NOTES

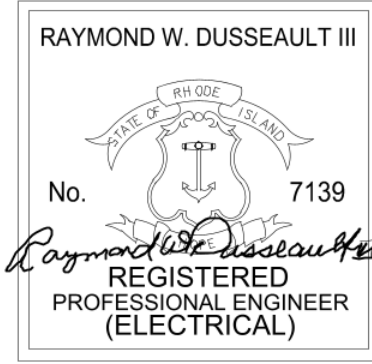
- E.C. SHALL PROVIDE CIRCUIT BREAKER LOCK-ON DEVICES FOR FACP AND NAC CIRCUIT.
- E.C. SHALL FURNISH AND INSTALL REMOTE INDICATING LIGHTS/TEST SWITCHES FOR DUCT SMOKE DETECTORS.
- REFER TO FLOOR PLANS FOR EXACT NUMBER OF DEVICES AND CANDELA RATINGS.
- COLOR CODE WIRING PER THE LATEST EDITION OF THE STATE FIRE CODE.
- SPICES WILL NOT BE ALLOWED. WIRENUTS WILL NOT BE ALLOWED.
- RED PAINTED TERMINAL CABINETS & BOXES WITH LOCKABLE COVERS SHALL BE PROVIDED AT ALL JUNCTION POINTS.
- AFC FIRE ALARM / CONTROL CABLE TYPE MC (UL LISTED) MAY BE USED ABOVE CEILINGS AND IN CONCEALED AREAS WHERE ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION. EXPOSED AREAS SHALL BE EMT, PAINTED PER ARCHITECT'S DIRECTION. ALL CONDUCTORS SHALL BE A MINIMUM OF #16AWG SOLID COPPER, TYPE THHN, THWN OR TFN. ALL WIRING SHALL RUN CONTINUOUSLY FROM DEVICE TO DEVICE.
- THE CONTRACTOR AT COMPLETION OF THE FIRE ALARM SYSTEM SHALL TEST THE ENTIRE SYSTEM PER THE LOCAL FIRE DEPARTMENTS REQUIREMENTS. THE CONTRACTOR SHALL REPLACE OR FIX ANY PART OF THE SYSTEM NOT PROPERLY WORKING.
- THE MINIMUM SEPARATION BETWEEN THE OUTGOING AND RETURN FIRE ALARM CIRCUITS SHALL BE A MINIMUM OF 1-FOOT VERTICALLY AND 4-FEET HORIZONTALLY IN ACCORDANCE WITH THE PROVISIONS OF NFPA-72.
- ALL FIRE ALARM SYSTEM COMPONENTS & MOUNTING HEIGHTS SHALL COMPLY WITH ADA REQUIREMENTS.
- E.C. SHALL PROVIDE ANY AND ALL AUXILIARY EQUIPMENT IN ORDER TO PROVIDE A COMPLETE, PROPERLY FUNCTIONING SYSTEM. COORDINATE REQUIREMENTS WITH LOCAL MANUFACTURERS REP.
- ALL FIRE ALARM STROBE SIGNAL DEVICES SHALL BE SYNCHRONIZED TYPE DEVICES AND COMPLY WITH ADA REQUIREMENTS.
- NO T-TAPPING OF FIRE ALARM WIRING SHALL BE ALLOWED. (TYPICAL)
- ALL FIRE ALARM WIRING & RACEWAY SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT BE LOCATED AS TO BE DAMAGED BY BUILDING USE.
- PROVIDE A WEATHER-PROOF KNOX-BOX 3200 SERIES ON THE EXTERIOR OF THE BUILDING. COORDINATE EXACT LOCATION WITH LOCAL FIRE DEPARTMENT.
- ALL SMOKE DETECTORS SHALL BE MOUNTED ON THE CEILING AND UL LISTED FOR CEILING MOUNTING AND LOCATED NOT LESS THAN 12-INCHES FROM ANY WALL. DETECTORS SHALL NOT BE IN A DIRECT AIR FLOW NOR CLOSER THAN 3-FEET FROM ANY AIR SUPPLY DIFFUSER. (TYPICAL)
- UL LISTED INSULATED THROAT, SET SCREW CONNECTORS SHALL BE USED WITH MC CABLE INSTALLATIONS, (CLAMP CONNECTORS ARE NOT ALLOWED); A CABLE CUTTING TOOL WITH CONTROLLED DEPTH OF CUT SHALL BE USED IN ALL MC CABLE INSTALLATIONS.
- FAULT ISOLATION MODULES SHALL BE INSTALLED FOR EVERY 25 DEVICES AND IN NO CASE SHALL THE LENGTH OF AN AREA BE DISABLED BY A WIRE-TO-WIRE SHORT CIRCUIT FAULT EXCEED 200' IN ANY ONE DIRECTION. WHERE A SINGLE CIRCUIT SERVES MORE THAN ONE FLOOR; FAULT ISOLATION MODULES SHALL BE INSTALLED TO PREVENT A WIRE-TO-WIRE SHORT CIRCUIT FAULT ON ONE FLOOR TO DISABLE THE CIRCUIT ON ANOTHER FLOOR.
- WIRING FOR THE FIRE ALARM SYSTEM SHALL BE CLASS "A".
- REFER TO THE SPECIFICATIONS FOR THE "SEQUENCE OF OPERATION" AND ADDITIONAL INFORMATION.
- E.C. SHALL PRODUCE A MANUFACTURER'S COMPLETE FIRE ALARM SYSTEM ONE-LINE DIAGRAM AND ADDRESS PLAN DURING THE SHOP DRAWING SUBMITTAL PROCESS.
- E.C. SHALL PROVIDE ALARM INDICATORS AND HVAC EQUIPMENT OVERRIDE SWITCHES MOUNTED IN UTILITY ROOMS WITH FIRE ALARM PANEL. ALL SWITCHES AND HEATING UNITS SHALL BE CLEARLY LABELED BY NUMBERS AS PER PLANS.
- E.C. SHALL OBTAIN FROM THE LOCAL FIRE DEPARTMENT, A LIST OF FIRE ALARM ZONE CODES AND DESCRIPTIONS AND PROGRAM INTO FIRE ALARM SYSTEM AS REQUIRED.
- DUCT SMOKE DETECTORS AND TAMPER SWITCHES SHALL ANNUNCIATE SUPERVISORY TROUBLE.
- TWO INDICATIONS OF ALARM ARE REQUIRED FOR SPRINKLER SYSTEM: MAIN FLOW & ZONE.
- EXISTING FIRE ALARM SYSTEM: MAINTAIN THE EXISTING SYSTEM IN SERVICE UNTIL THE NEW SYSTEM IS TESTED AND ACCEPTED BY THE FIRE DEPARTMENT. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. NOTIFY OWNER, ARCHITECT/ENGINEER AND LOCAL FIRE DEPARTMENT AT LEAST TEN DAYS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA AS REQUIRED OR PROVIDE A "FIRE-WATCH" SYSTEM COORDINATED WITH THE LOCAL FIRE DEPARTMENT.

TYPICAL FIRE STOPPING NOTES

- A. GENERAL: FIRE STOPPING SHALL BE PROVIDED BY THIS CONTRACTOR FOR ALL FLOOR, CEILING AND FIRE RATED WALL PENETRATIONS FOR CONDUIT, SLEEVES AND/OR CABLING AS REQUIRED BY JOB CONDITIONS.
- B. THE CONTRACTOR SHALL PROVIDE A FIRE STOP SYSTEM IN ACCORDANCE WITH THE FOLLOWING:
- THE SYSTEM SHALL CONSIST OF A WATERBASED SEALANT AND SUITABLE DAMMING MATERIALS (WHERE REQUIRED) AND BE INSTALLED PER MANUFACTURER'S REQUIREMENTS.
 - THE SEALANT SUPPLIED SHALL BE A TWO STAGED INTUMESCENT AND CAPABLE OF EXPANDING UP TO 8 TIMES ITS ORIGINAL VOLUME.
 - THE SEALANT SUPPLIED SHALL CONTAIN NO ASBESTOS, NO FIBERGLASS, AND NO SOLVENTS NOT CORROSIVE MINERAL SALTS OF ANY KIND.
 - THE SEALANT SHALL FORM A SURFACE CAPABLE OF BEING SANDED AND PAINTED TO MATCH SURROUNDING SURFACES AND SHALL BE IMPERVIOUS TO WATER WHEN DRY.
 - THE FIRE STOP SYSTEM SHALL BE TESTED TO THE TIME/TEMPERATURE REQUIREMENTS OF ASTM E119 AND SHALL BE UL1479 (ASTM E814) AND CLASSIFIED FOR UP TO 3 HOURS.
 - THE FIRE STOP SEALANT SHALL BE SPECSEAL SEALANT AS MANUFACTURED BY SPECIFIED TECHNOLOGIES, INC. OR APPROVED EQUAL.
 - SPECIAL CARE SHALL BE TAKEN WITH ELECTRICAL SYSTEMS NOT TO COMPROMISE ANY OF THE BUILDING FIRE PARTITIONS, FLOORS, WALLS OR MEMBRANES. PROVIDE ALL FIRESTOPPING REQUIRED TO COMPLY WITH THE BUILDING CODE, THE ELECTRICAL CODE AND THE UL LISTING OF EACH ASSEMBLY. COORDINATE LOCATIONS AND TYPES OF MEMBRANES WITH ARCHITECT.

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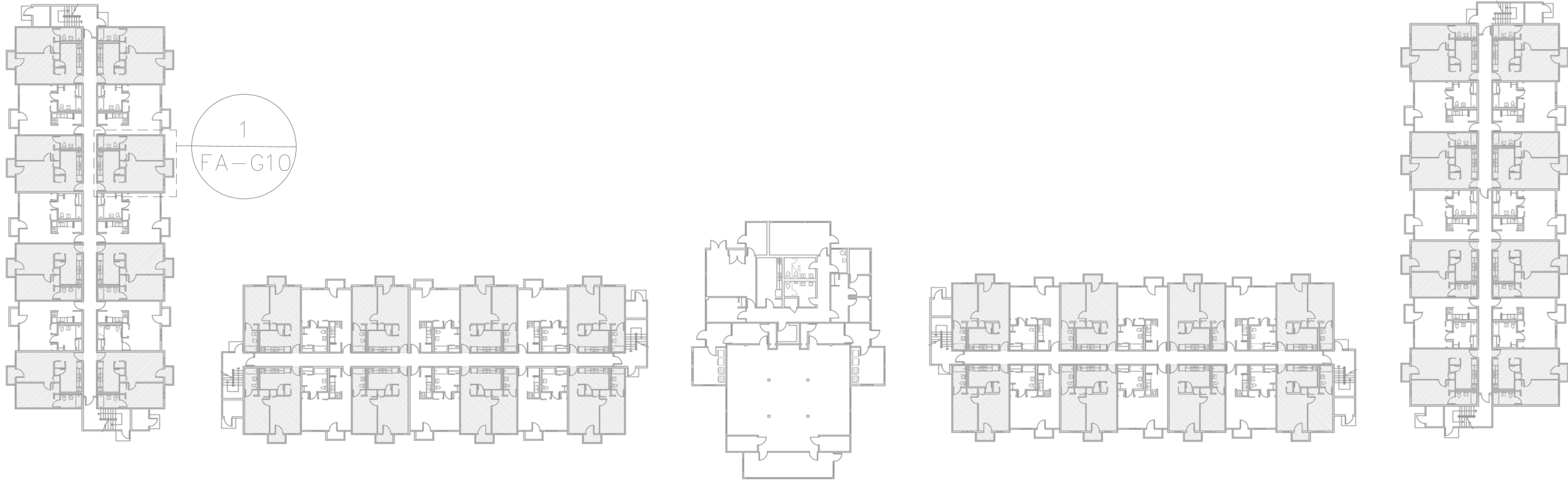
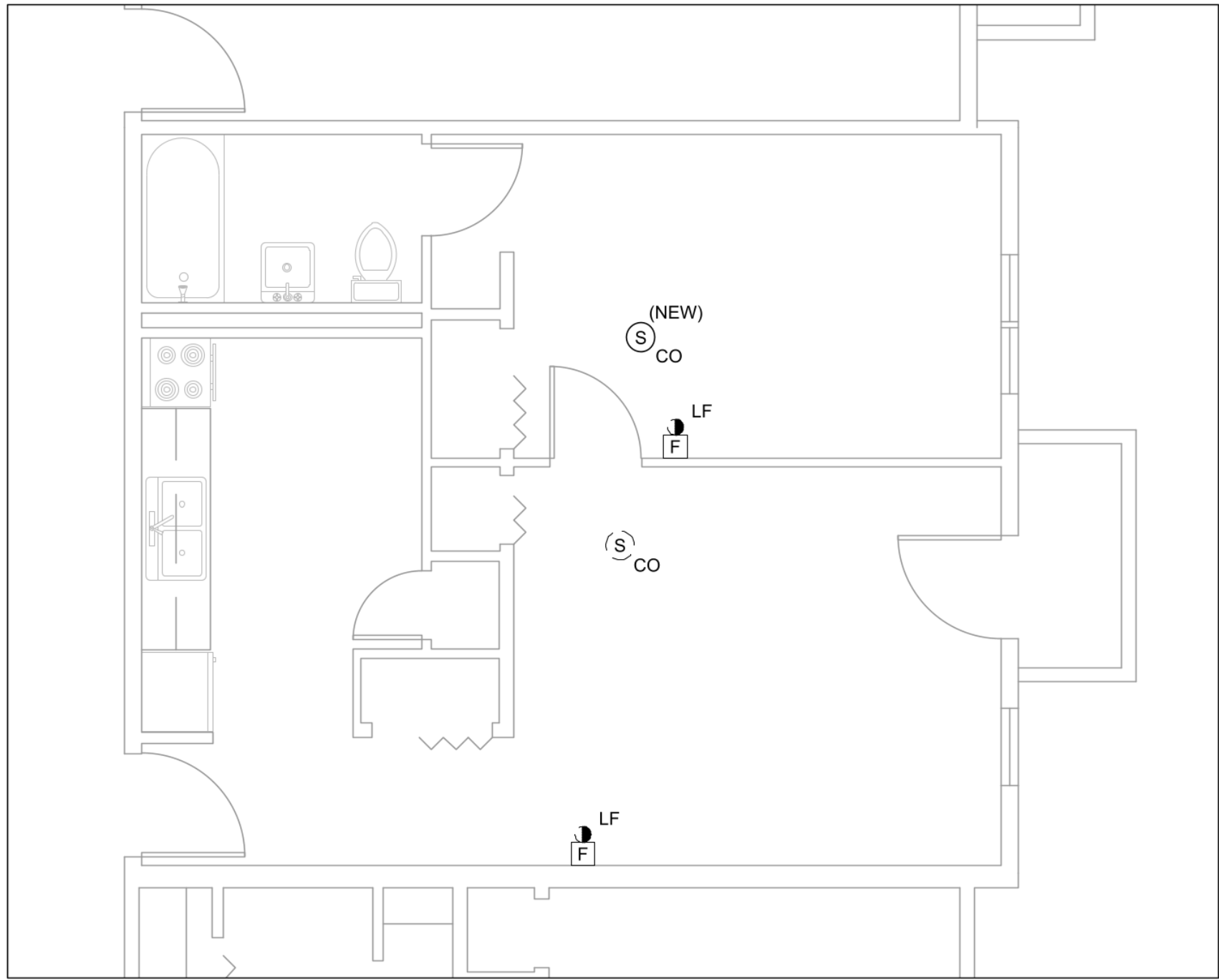
SHEET CONTENTS:
Fire Alarm –
Legends & Notes

PROJECT # 0725

DATE: 05/07/2025
REVISED DATE:

FA-00

1 FIRE ALARM - ENLARGE SINGLE BEDROOM FLOOR PLAN - EXISTING/NEW
1/4" = 1'-0"



KEY PLAN

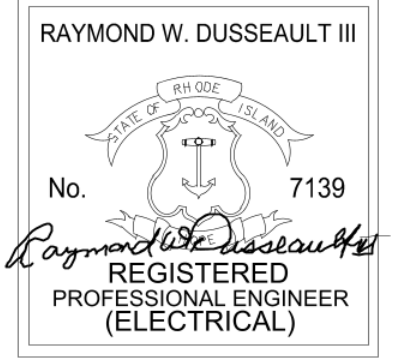
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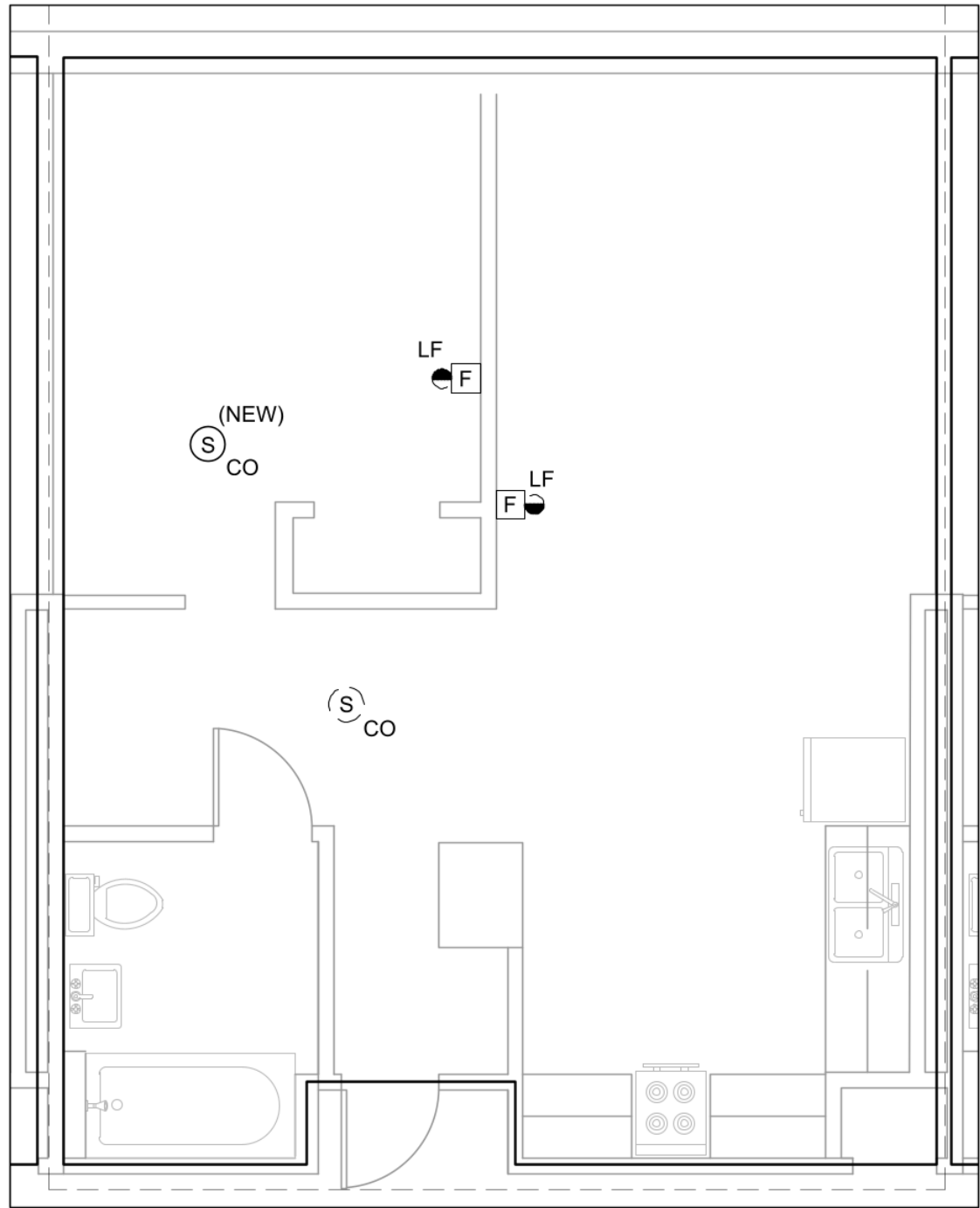
FA-G10

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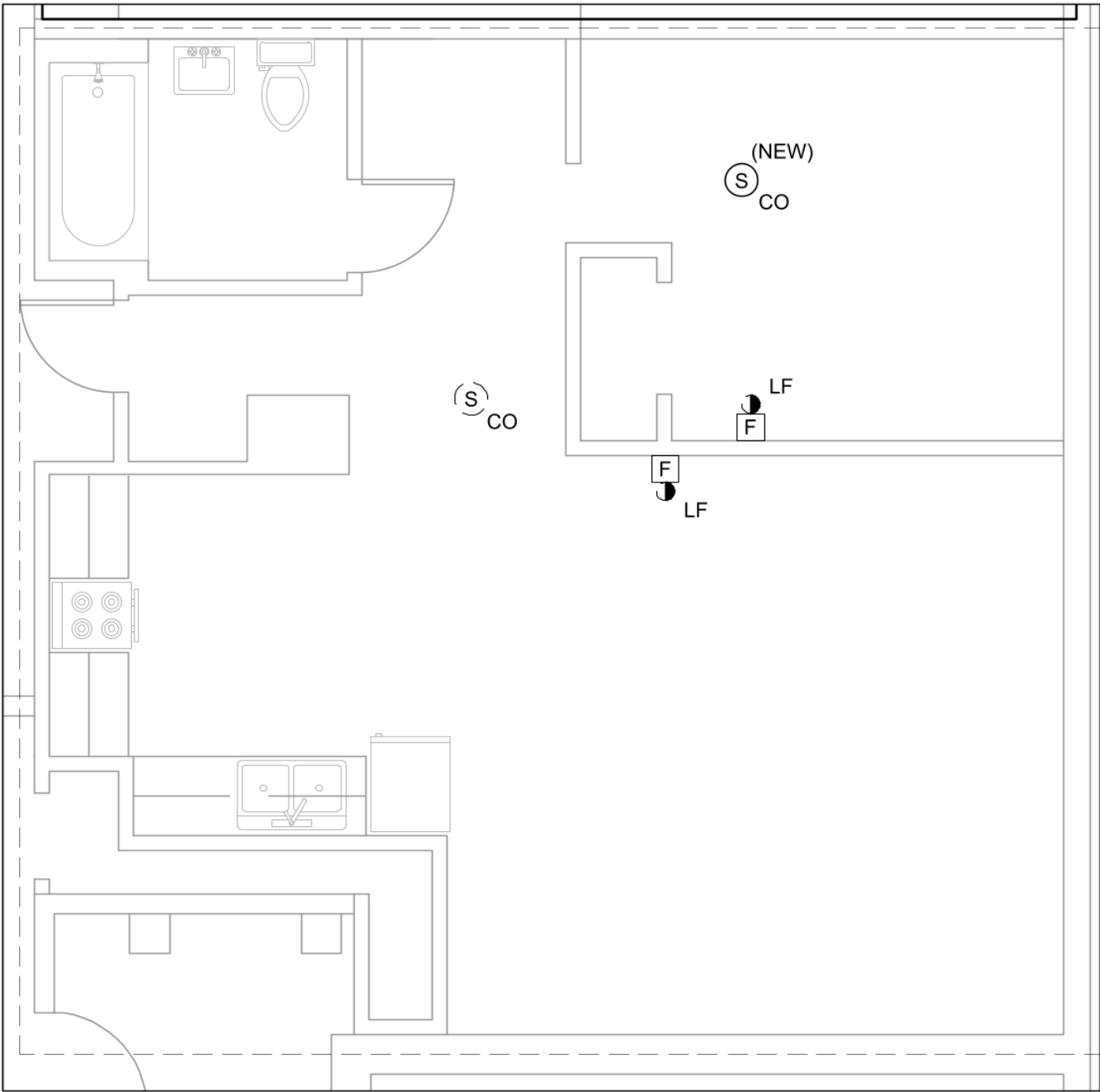


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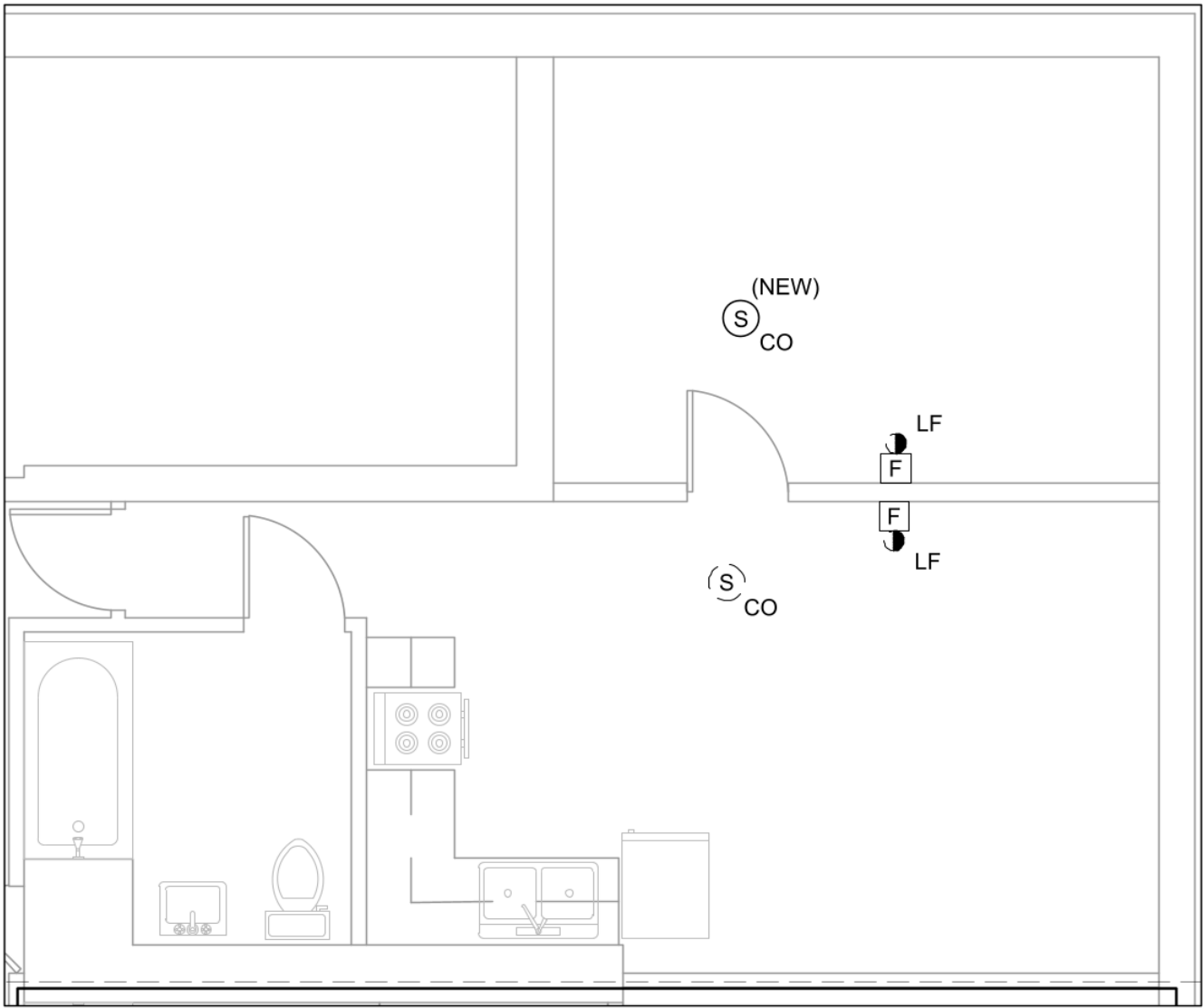
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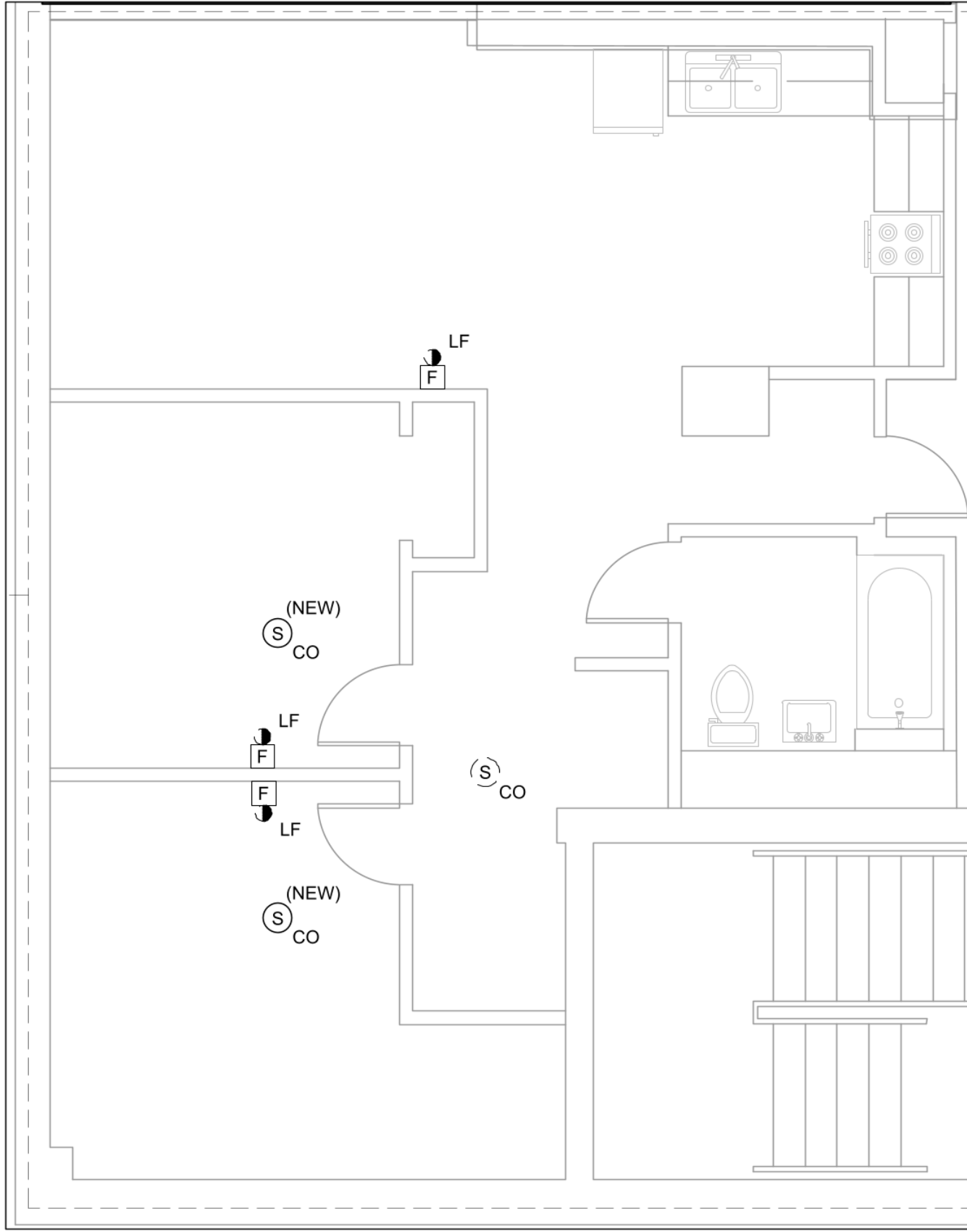
① FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 1 BED - TYPE A - EXISTING/NEW
1/4" = 1'-0"



② FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 1 BED - TYPE B - EXISTING/NEW
1/4" = 1'-0"



③ FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 1 BED - TYPE C - EXISTING/NEW
1/4" = 1'-0"



④ FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 2 BED - TYPE A - EXISTING/NEW
1/4" = 1'-0"



KEY PLANS

ISSUED FOR CONSTRUCTION - MAY 7, 2025

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RAYMOND W. DUSSEAULT III

NO. 7139

REGISTERED
PROFESSIONAL ENGINEER
(ELECTRICAL)

Smoke/Carbon Monoxide Detectors for:

Pawtucket Housing Authority
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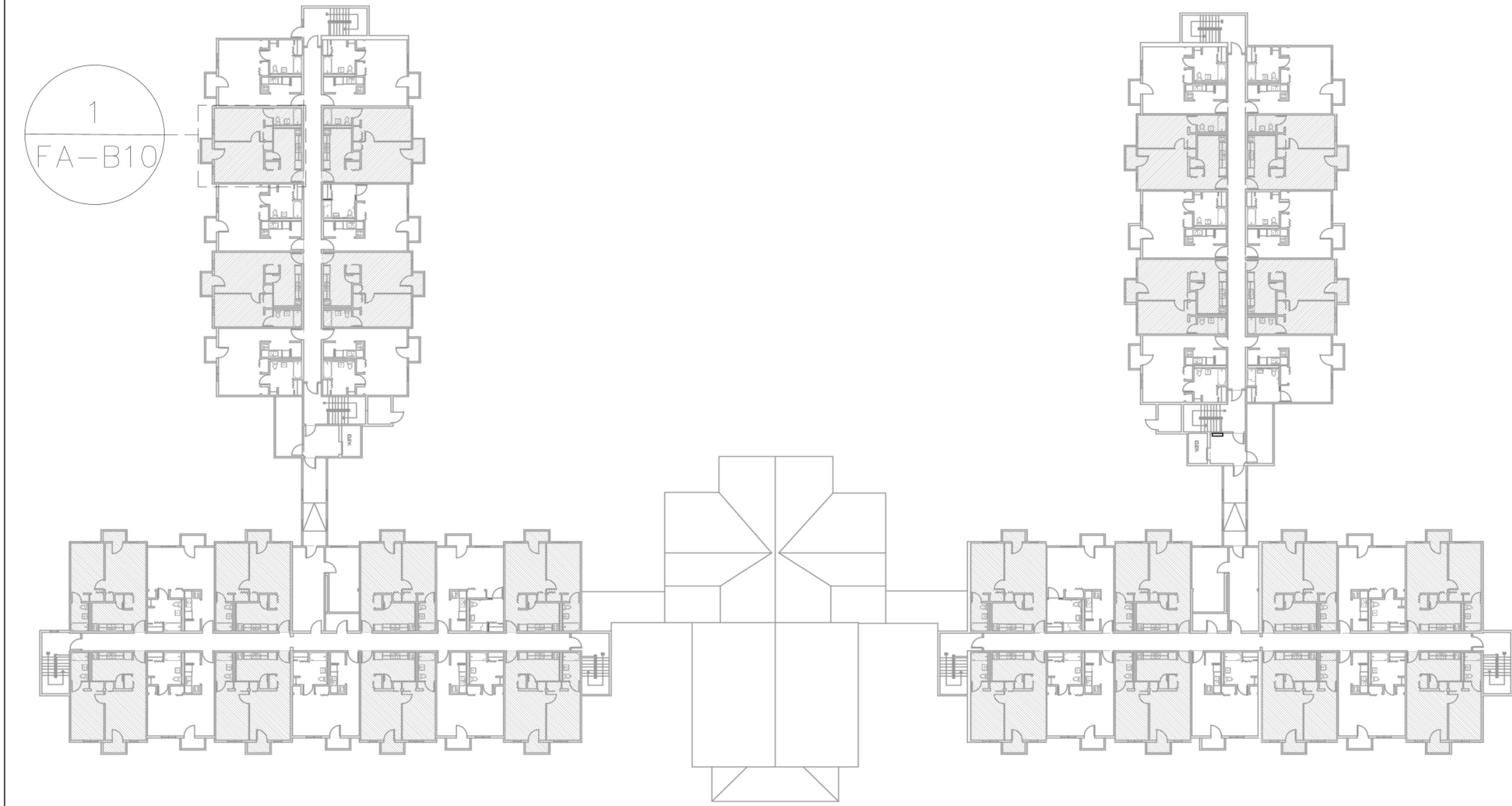
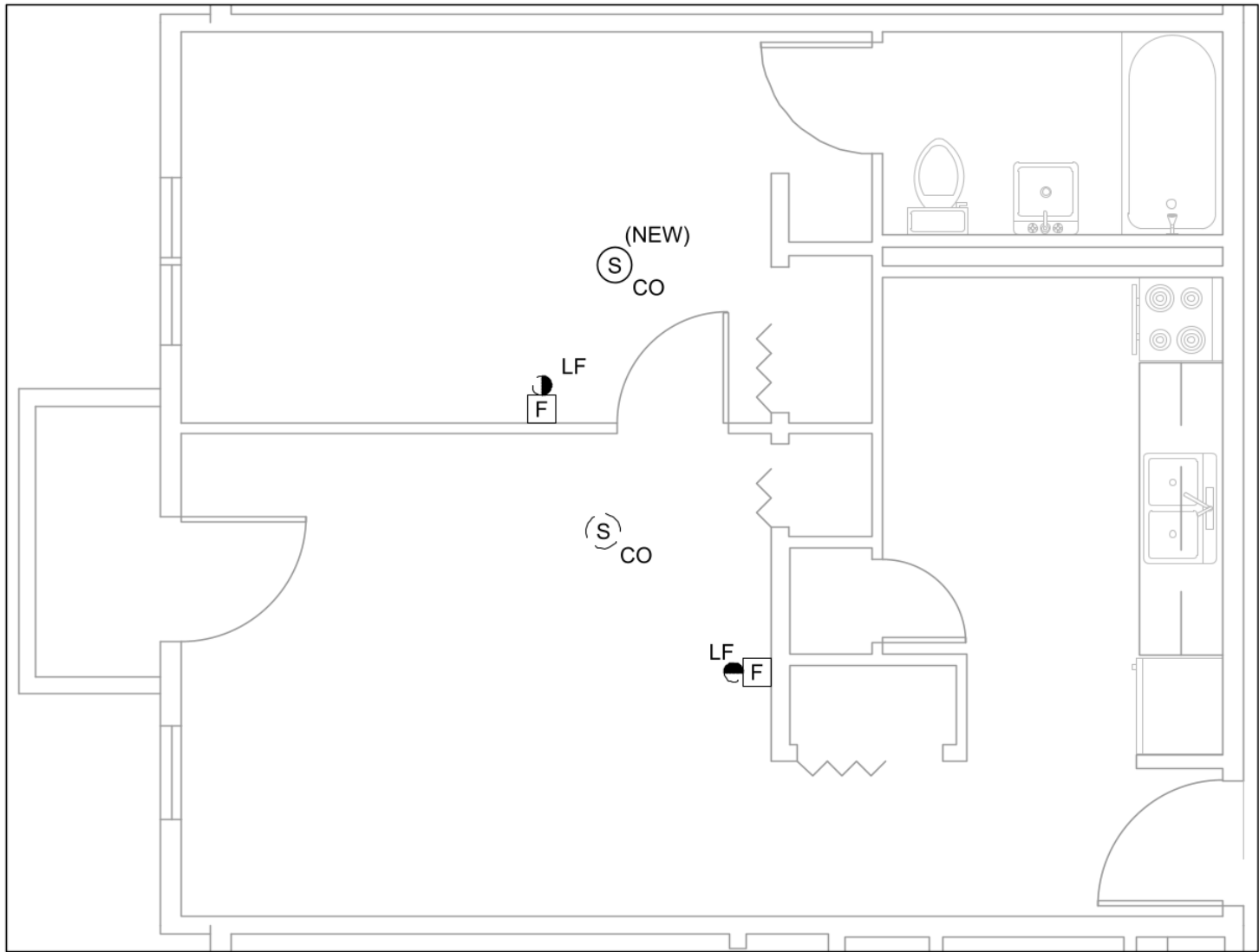
SHEET CONTENTS:
FOGARTY MANOR
- SINGLE
BEDROOM & TWO
BEDROOM PART
PLANS

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FA-F10

1 FIRE ALARM - ENLARGE SINGLE BEDROOM FLOOR PLAN - EXISTING/NEW
1/4" = 1'-0"



KEY PLAN

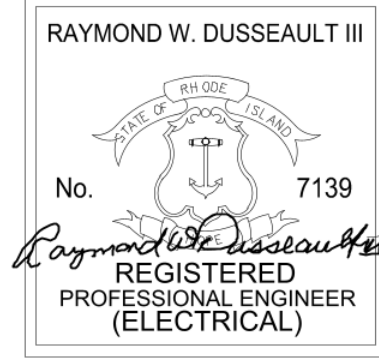
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SHEET CONTENTS:
BURNS MANOR - 1
SINGLE BEDROOM
PART PLANS

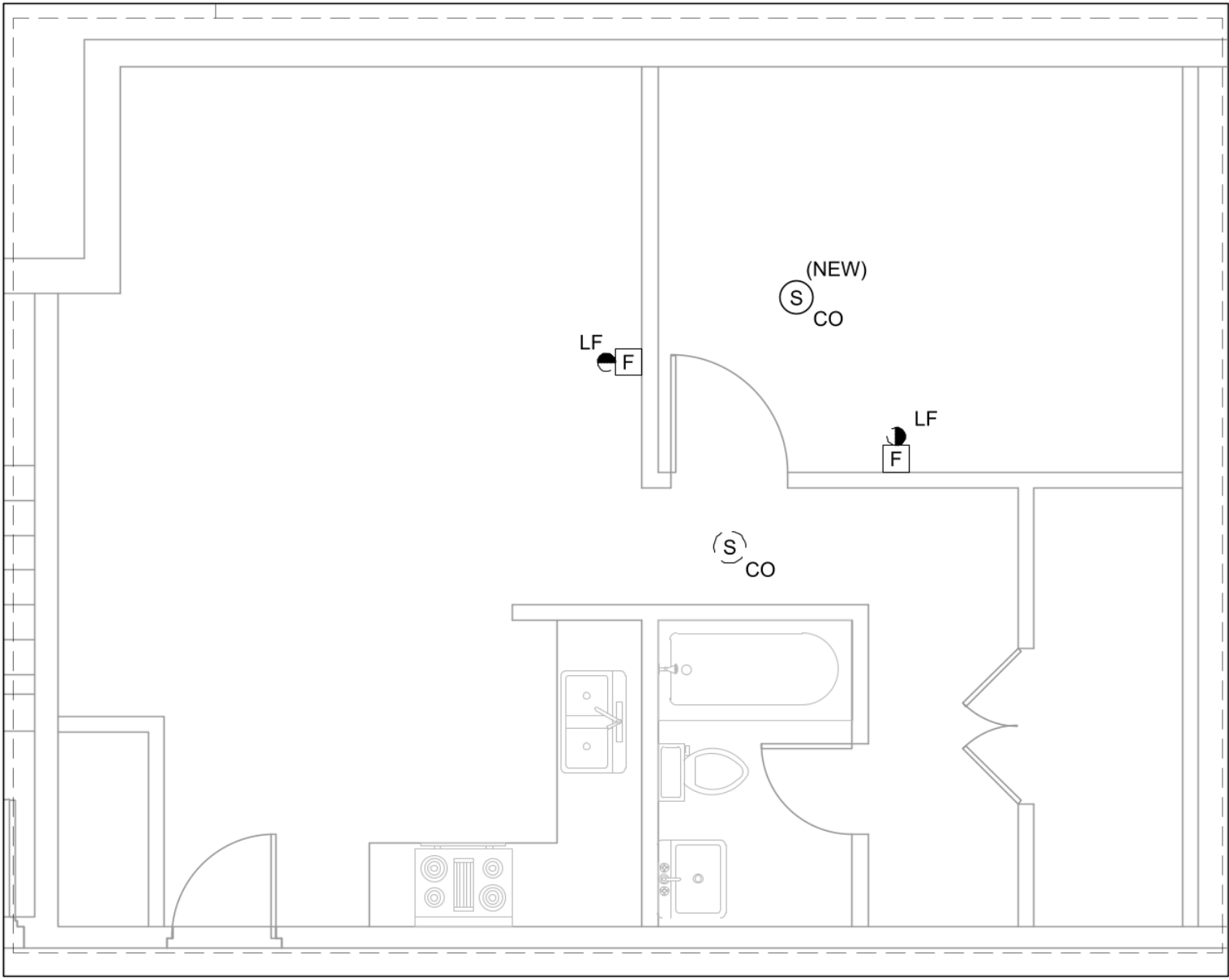
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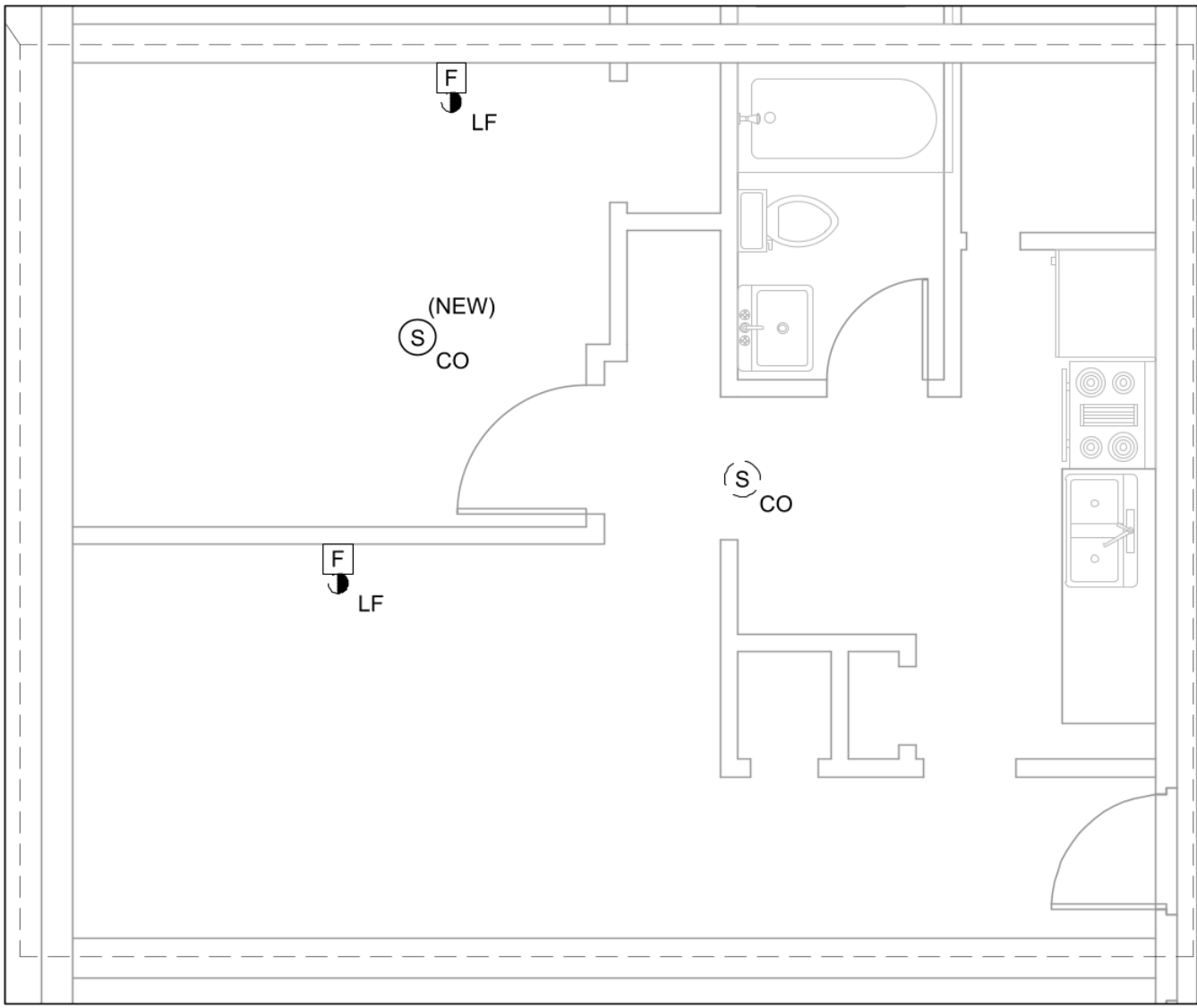
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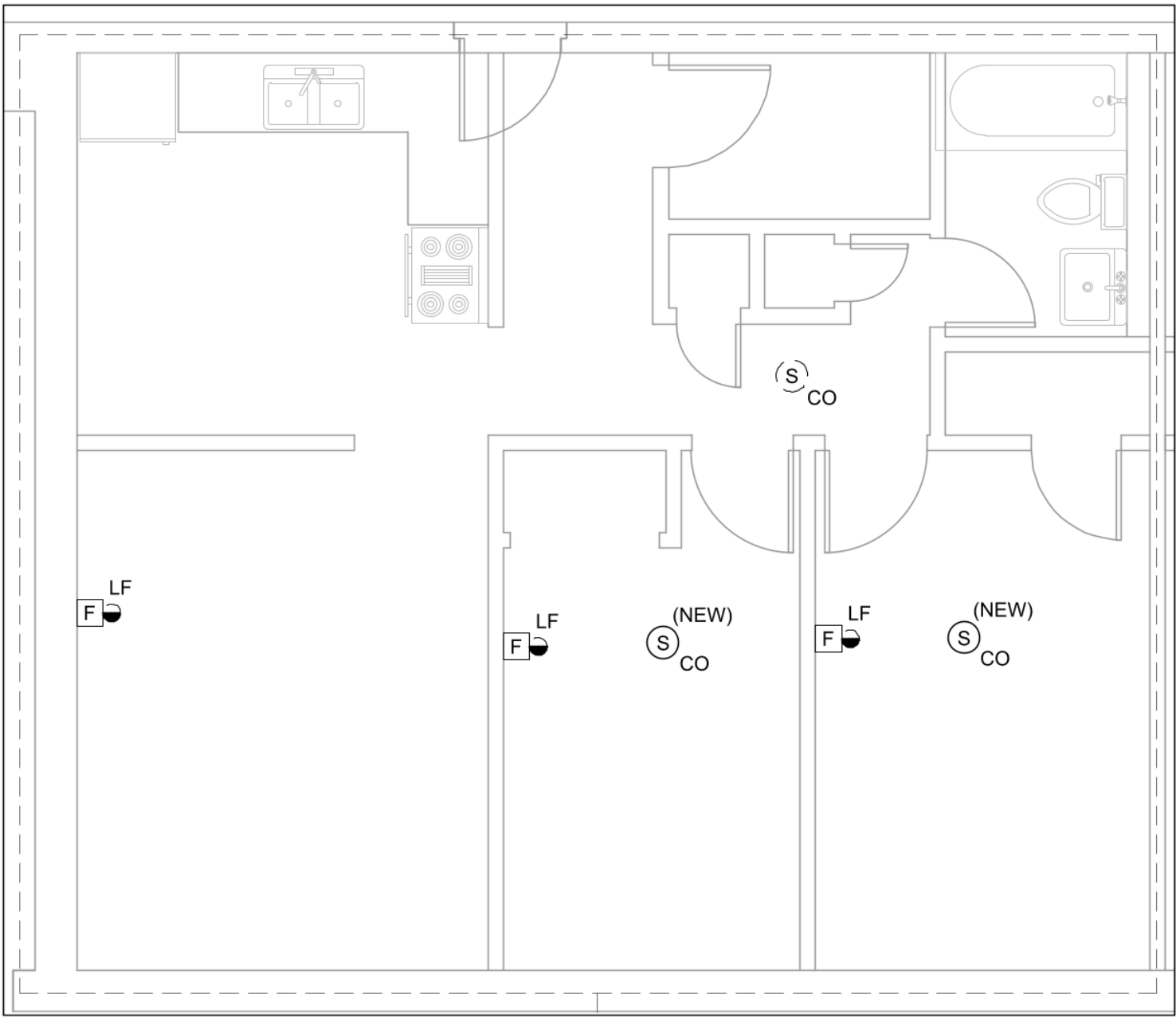
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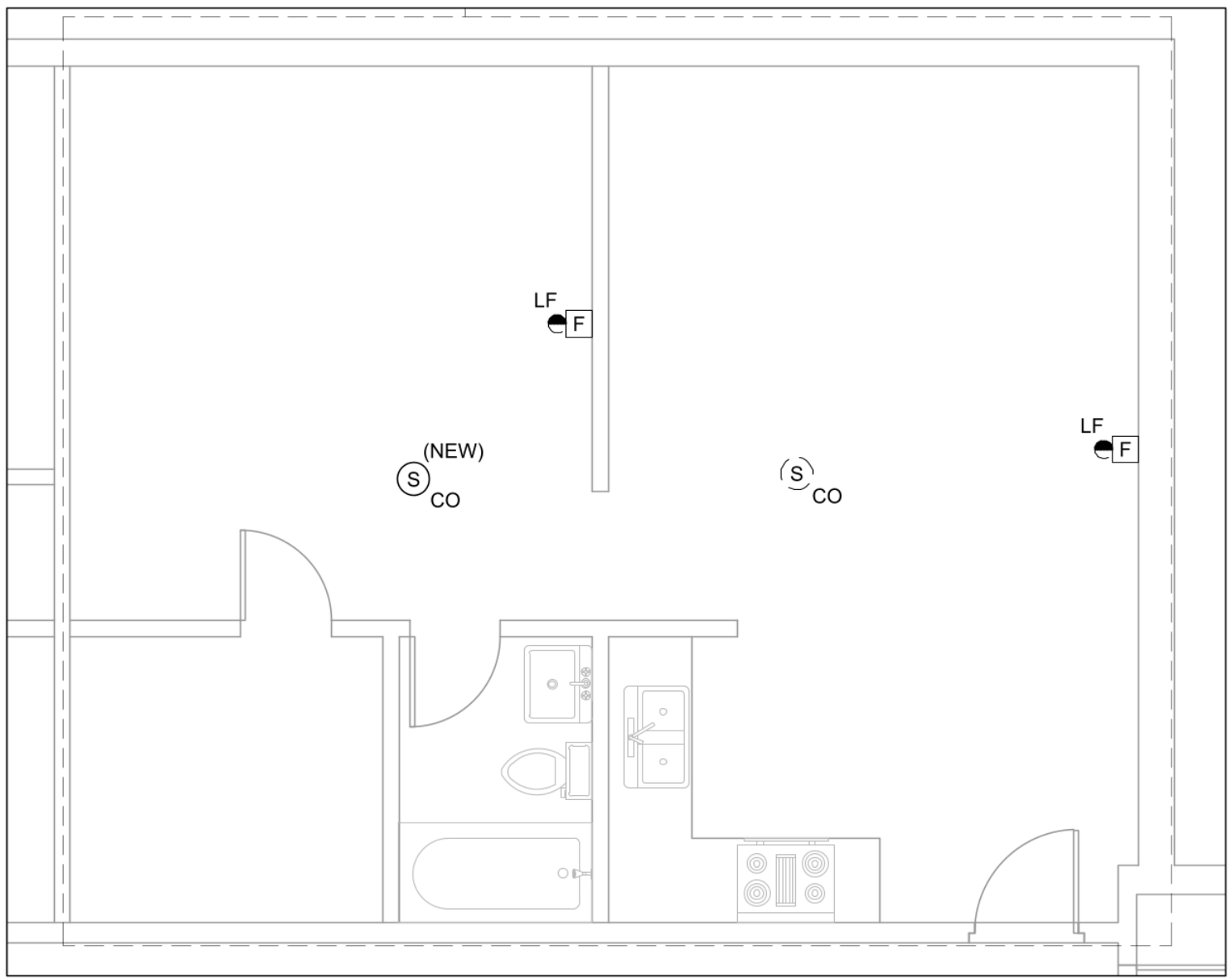
① FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 1 BED - TYPE A - EXISTING/NEW
1/4" = 1'-0"



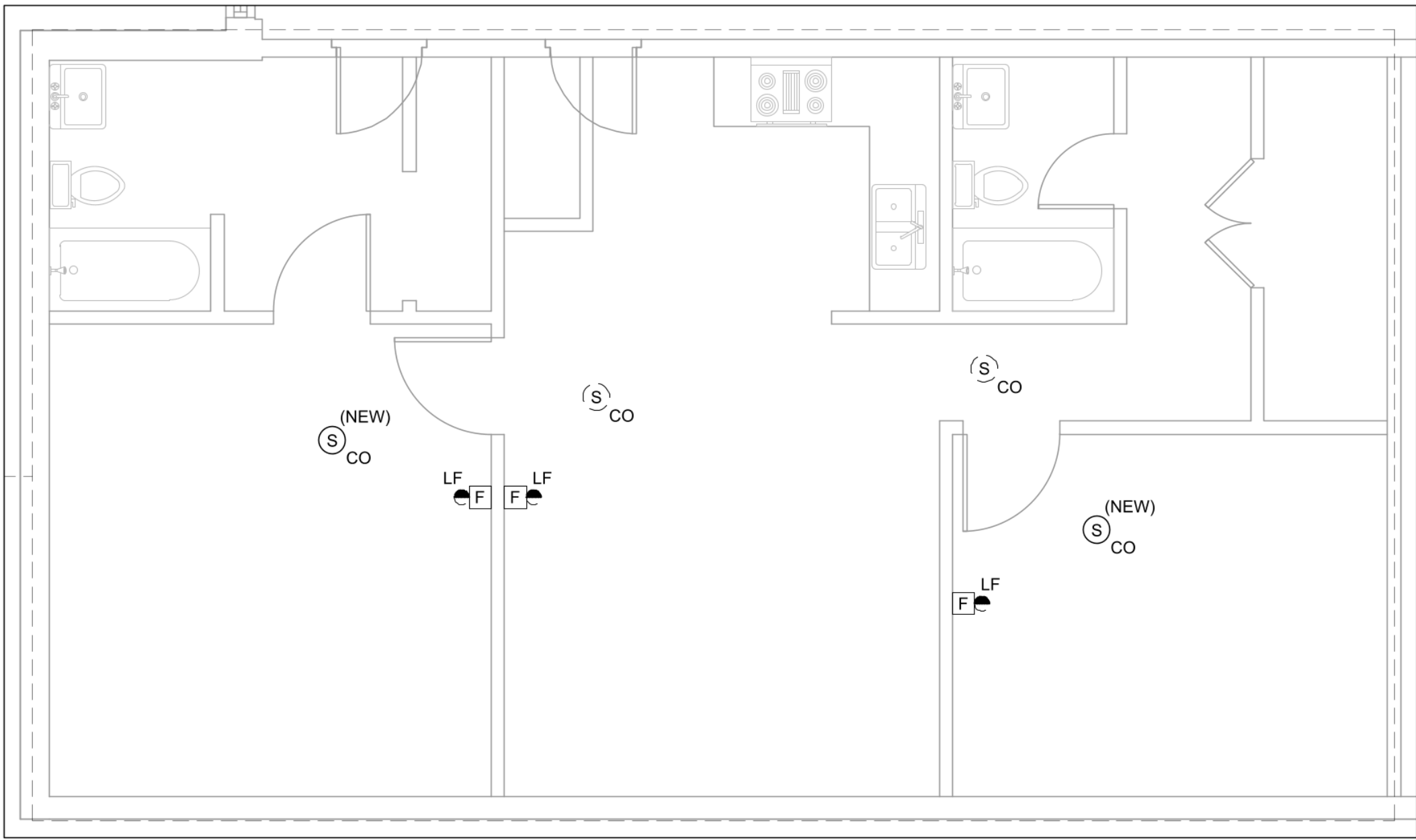
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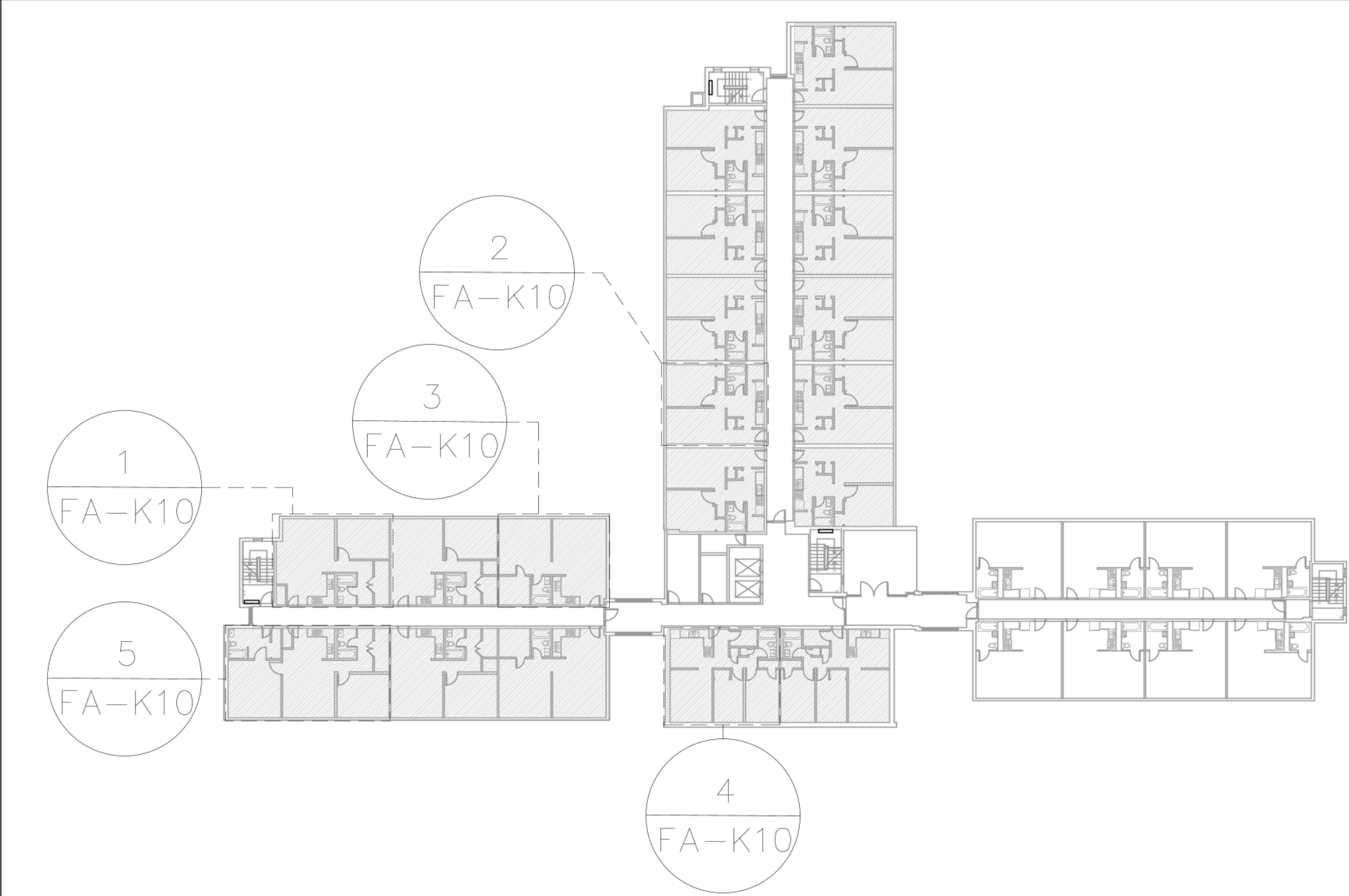
④ FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 2 BED - TYPE A - EXISTING/NEW
1/4" = 1'-0"



③ FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 1 BED - TYPE C - EXISTING/NEW
1/4" = 1'-0"

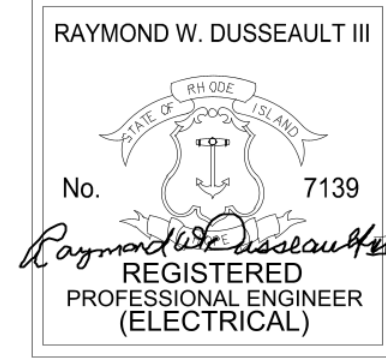


⑤ FIRE ALARM - ENLARGE FLOOR PLAN - UNIT 2 BED - TYPE B - EXISTING/NEW
1/4" = 1'-0"



KEY PLAN

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SHEET CONTENTS:
KENNEDY MANOR –
SINGLE BEDROOM
& TWO BEDROOM
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