

**DOCUMENT 00 90 00**  
**ADDENDUM**

**ADDENDUM No.:** 2

**DATE:** August 22, 2024

**RE:** HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS  
LA CROSSE, WISCONSIN 54601  
PROJECT NO. 24034

**FROM:** HSR Associates, Inc  
100 Milwaukee Street  
La Crosse, WI 54603  
(608) 784-1830

**TO:** Prospective Bidders

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This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated July 2024. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of: 4 pages, 1 document, 2 sections, and 14 drawings.

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**CHANGES TO INTRODUCTORY INFORMATION AND BIDDING REQUIREMENTS:**

1. Document 00 11 13 Advertisement for Bids
  - a. See the revised document included in this addendum. Disregard the previous version.
  - b. Revised the bid opening time from 10:00 am on September 3, 2024 to 2:00 pm on September 3, 2024.

**CHANGES TO GENERAL REQUIREMENTS:**

2. Section 01 10 00 Summary
  - a. See the revised section included in this addendum. Disregard the previous version.
  - b. Removed paragraphs 1.07 D & E because they were headings without content.
  - c. Added paragraph 1.07 E.2. stating: "Working hours start at 8:00am and end at 4:30pm."
  - d. Revised 1.08 D. to require final completion by February 20, 2024.
3. Section 01 20 00 Price and Payment Procedures
  - a. See the revised section included in this addendum. Disregard the previous version.
  - b. Added paragraph 1.10 B. stating: "Submit application for Final Payment no later than December 31, 2024."

## CHANGES TO DRAWINGS

### 4. Sheet E001 LHA SMOKE ALARM NOTES 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Added notes regarding removal of existing equipment and smoke alarm selection in regard to fuel-fired equipment.
- d. Added a requirement to provide smoke alarms to Owner for Owner's stock.

Provide 50 Smoke Alarms to Owner for Owner's Stock in addition to the quantity to be installed.	
Provide 10 count Ionization Type:	BRK #1046858 SMI110 or equal.
Provide 10 count Photoelectric Type:	BRK #1046741 SM210 or equal.
Provide 30 count Combination Photo/CO Type:	BRK #1046802 SMCO210 or equal.

### 5. Sheet E101 SMOKE ALARM UNIT PLANS 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Added notes regarding removal of existing equipment and smoke alarm selection in regard to fuel-fired equipment.
- d. Revised clouded plan views to remove wiring and conduit.

### 6. Sheet E201 SMOKE ALARM UNIT PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Added notes regarding removal of existing equipment and smoke alarm selection in proximity to fuel-fired equipment.
- d. Revised clouded plan views to remove wiring and conduit.
- e. Added photo to show an example unit interior.

### 7. Sheet E202 SMOKE ALARM UNIT PANS 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Revised clouded plan views to remove wiring and conduit.

### 8. Sheet E301 SMOKE ALARM UNIT PLANS 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Added notes regarding removal of existing equipment and smoke alarm selection in proximity to fuel-fired equipment.
- d. Revised clouded plan views to remove wiring and conduit.
- e. Added photos to show an example unit interior.

9. Sheet E302 SMOKE ALARM UNIT PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
  - c. Revised clouded plan views to remove wiring and conduit.
10. Sheet E401 SMOKE ALARM UNIT PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
  - c. Added notes regarding removal of existing equipment and smoke alarm selection in proximity to fuel-fired equipment.
  - d. Revised clouded plan views to remove wiring and conduit.
  - e. Added photos to show an example unit interior.
  - f. Added diagram showing radius of cooking zone.
11. Sheet E402 SMOKE ALARM UNIT PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
  - c. Revised clouded plan views to remove radius indicators.
12. Sheet E501 SMOKE ALARM UNIT PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
  - c. Added notes regarding removal of existing equipment and smoke alarm selection in proximity to fuel-fired equipment.
  - d. Revised clouded plan views to remove wiring and conduit.
  - e. Added photo to show an example unit interior.
  - f. Added plan 3E501 to include a basement location in the project scope.
13. Sheet E601 SMOKE ALARM UNIT PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
  - c. Added notes regarding removal of existing equipment.
  - d. Revised clouded plan views to remove wiring and conduit.
  - e. Added photos to show an example unit interior.
14. Sheet E701 SMOKE ALARM UNIT PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
  - c. Added notes regarding removal of existing equipment.
  - d. Revised clouded plan views to remove wiring and conduit.
  - e. Added photos to show an example unit interior.
  - f. Added plan 7E701 to include a basement location in the project scope.

15. Sheet E801 SMOKE ALARM UNIT PLANS 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Added notes regarding removal of existing equipment.
- d. Revised clouded plan views to remove wiring and conduit.

16. Sheet E802 SMOKE ALARM UNIT PLANS 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Revised clouded plan views to remove wiring and conduit.
- d. Added photos to show an example unit interior.

17. Sheet E901 SMOKE ALARM UNIT PLANS 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Revised sheet to reflect a changed approach from wired smoke alarms to wireless. See clouded changes for requirements.
- c. Added notes regarding removal of existing.
- d. Revised clouded plan views to remove wiring and conduit.
- e. Added a photo to show an example unit interior.

**END OF DOCUMENT 00 90 00**

**SECTION 00 11 13**

**ADVERTISEMENT FOR BIDS**

Sealed bids for the construction of:

**HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS  
LA CROSSE, WISCONSIN 54601  
PROJECT NO. 24034**

will be received by:

**HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
1307 BADGER STREET  
LA CROSSE, WISCONSIN 54602-1053  
STEVE SCHAUF - EXECUTIVE DIRECTOR**

**until 2:00 pm, September 3, 2024**, after which they will be opened publicly and read aloud. Bids received after the time set for receipt of bids will not be accepted.

In general, the Project consists of Installation of a Smoke Alarm in every bedroom in the La Crosse Housing Authorities following locations.

Becker Plaza – 415 South 7<sup>th</sup> Street (75 – 1 BR units)

Sauber Manor – 1025 Liberty Street (82 – 1 BR units)

Stoffel Court – 333 South 7<sup>th</sup> Street (74 – 1 BR units)

Forest Park – 1230 Badger Street (112 – 1 BR units)

Ping Manor – 1311 Badger Street (60 – 1 BR units)

Grover Estates – Taylor Street & Hamilton Street (30 – 2 BR units)

Huber Homes – Gladys St & Huber Court (6 – 1 BR units; 12 – 2 BR units; 12 – 3 BR units; 10 – 4 BR units)

Mullen Homes – St James St & 800 Block of Winneshiek Rd (30 – 2 BR units; 18 – 3 BR units; 6 – 4 BR units; 2 – 5 BR units)

Schuh Homes – S Winneshiek Rd, Redbird Ct & Wood St (19 – 1 BR units; 30 – 2 BR units; 22 – 3 BR units; 6 – 4 BR units; 2 – 5 BR units)

Lump-sum Bids will be received on a SINGLE PRIME CONSTRUCTION CONTRACT FOR THE ENTIRE WORK.

The Project Drawings, Project Manual and other Bidding Documents may be examined at the following locations:

AE'S OFFICE:            HSR ASSOCIATES, INC.  
                                 100 MILWAUKEE STREET, LA CROSSE, WI 54603, 608-784-1830

**BUILDER'S EXCHANGES:**

La Crosse  
Northwest Regional (Eau Claire/Chippewa Falls)  
Wausau, WI  
Builders Exchange of Wisconsin (Appleton)  
Minneapolis, MN  
Rochester, MN  
Northern IA (Mason City, IA)  
Master Builders IA (Des Moines, IA)  
Builders Exchange of Michigan  
ConstructConnect  
Dodge Data & Analytics (West Allis, WI)

Electronic Bidding Documents (.pdf) will be available from HSR Associates, Inc. via Sharefile electronic distribution and will be distributed to the listed Builders Exchanges. Electronic versions of addenda will be distributed via the same systems.

Hardcopy Bidding Documents may be picked up at HSR Associates' office. Bidders may request shipment of hardcopies by sending a check made out to HSR Associates in the amount of \$15.00. The shipping fee will not be refunded and must be received prior to shipment.

HSR Associates is responsible for distribution of addenda only to those who have requested project documents from HSR in formats described above.

HSR Associates will make AutoCAD files available to the Contractor following award of contract.

HSR Associates maintains a plan holder list at [www.hsrassociates.com](http://www.hsrassociates.com). This list includes only those who have requested plans from HSR and those who have requested to be added to our list.

Bid Security in the amount of five percent (5%) of the maximum amount of the Bid must accompany each Bid as described in the Project Manual, Instructions to Bidders.

The Owner reserves the right to waive irregularities and to reject any or all Bids. Bids may only be withdrawn in accordance with the Project Manual, Instructions to Bidders.

A non-mandatory pre-bid meeting will be conducted by the Owner and Architect/Engineer to answer questions and to enable bidders to examine the project documents. Pre-Bid meeting will occur at 2:00 pm August 13, 2024, at HSR Associates Inc., 100 Milwaukee St. La Crosse, Wisconsin.

By: Steve Schauf  
Title: Executive Director

Publish Date: Weeks of August 5 and August 12, 2024 - La Crosse Tribune.

**END OF DOCUMENT 00 11 13**

## SECTION 01 10 00

### SUMMARY

#### PART 1 GENERAL

##### 1.01 PROJECT

- A. Refer to Cover Sheet on Drawings for project title and location.
- B. Refer to 00 11 13 Advertisement for Bids for brief description of Project.

##### 1.02 RELATED REQUIREMENTS

- A. Section 01 50 00 - Temporary Facilities: Requirements for temporary utilities.
- B. Section 01 70 00 - Administrative Requirements: Contract limits and protection of existing conditions.

##### 1.03 CONTRACT DESCRIPTION

- A. Contract Type: A single prime contract based on a Stipulated Price as described in Document 00 50 00 - Agreement Form.

##### 1.04 PHASED CONSTRUCTION

- A. The Work shall be conducted in a single phase.

##### 1.05 WORK BY OTHERS

- A. Items indicated "N.I.C." on the Project Drawings will be furnished and installed by others not a party to the Prime Contracts.

##### 1.06 OWNER OCCUPANCY

- A. Owner intends to continue to occupy adjacent portions of the existing building during the entire construction period.
- B. Owner intends to occupy the Project area upon Substantial Completion.
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- D. Schedule the Work to accommodate Owner occupancy.

##### 1.07 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas required to perform the work as authorized by the owner.
- B. Arrange use of site and premises to allow:
- C. Owner occupancy.
  - 1. Perform work in residences with the occupants present.
  - 2. Comply with Owner's apartment entry procedure. The procedure includes a requirement for minimum 48 hours advance notice to residents prior to entry.
- D. Provide access to and from site as required by law and by Owner:
  - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
  - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- E. Time Restrictions:
  - 1. Work on the Project shall be done during normal working hours. If at any time during construction it becomes necessary to accelerate the Work in order to meet completion dates for portions or all of the Work, all trades shall work overtime at no additional cost to Owner.
  - 2. Working hours start at 8:00am and end at 4:30pm.
- F. Utility Outages and Shutdown:
  - 1. Notify Owner within 48 hours of necessary interruptions of services including, but not limited to: HVAC systems, water service (hot & cold), electrical service, communications systems.
  - 2. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to Owner and authorities having jurisdiction.
  - 3. Prevent accidental disruption of utility services to other facilities.

**1.08 CONSTRUCTION SCHEDULE**

- A. Date of Commencement of the Work: September 11, 2024.
- B. Date of Start of On-site Work: September 30, 2024.
- C. Date of Substantial Completion: December 20, 2024.
- D. Final Completion: The completion of all Work according to the contract Documents, approved by the AE and accepted by the Owner shall be by February 20, 2024.
- E. Exceptions: The only exceptions to the above completion dates are delay or termination because of a national emergency and/or extension of time for completion claimed and allowed according to the General Conditions and/or Supplementary Conditions.

**1.09 WORK SEQUENCE**

- A. Coordinate construction schedule and operations with Architect.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**



**SECTION 01 20 00**  
**PRICE AND PAYMENT PROCEDURES**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Procedures for preparation and submittal of applications for progress payments.
- B. Documentation of changes in Contract Sum and Contract Time.
- C. Change order procedures.
- D. Correlation of Contractor submittals based on changes.
- E. Procedures for preparation and submittal of application for final payment.

**1.02 RELATED REQUIREMENTS**

- A. Document 00 50 00 - Agreement Forms AIA-A101: Contract Sum, payment period.
- B. Section 00 72 00 General Conditions and 00 73 00 Supplementary Conditions: Additional requirements for progress payments, final payment, changes in the Work.
- C. Section 00 73 00 - Supplementary Conditions: Percentage allowances for Contractor's overhead and profit.
- D. Document 00 73 00 - Supplementary Conditions: Dates for applications for payment.

**1.03 SCHEDULE OF AMOUNTS**

- A. Use Schedule of Values Form: Schedule of Amounts for Contract Payments HUD-51000.
- B. Electronic media printout including equivalent information will be considered in lieu of standard form specified; submit draft to Architect for approval.
- C. Forms filled out by hand will not be accepted.
- D. At least 10 days prior to submission of the first Application for Payment, secure A/E's approval of the schedule of values required to be submitted under 9.2 of the General Conditions.
- E. Include in each line item, the amount of Allowances specified in this section. For unit cost Allowances, identify quantities taken from Contract Documents multiplied by the unit cost to achieve the total for the item.
- F. Revise schedule to list approved Change Orders, with each Application For Payment.

**1.04 APPLICATIONS FOR PROGRESS PAYMENTS**

- A. Based upon Applications for Payment submitted to the Architect by the Contractor and Certificates of Payment issued by the Architect, the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.
- B. Payment Period: One calendar month time frame.
- C. Use Form AIA G702 and Form AIA G703, edition stipulated in the Agreement.
- D. Electronic media printout including equivalent information will be considered in lieu of standard form specified; submit sample to Architect for approval.
- E. Forms filled out by hand will not be accepted.
- F. Provide an application for payment and determine progress payment amount per General and Supplementary Conditions.
- G. Execute certification by signature of authorized officer.
- H. Use data from approved Schedule of Values. Provide dollar value in each column for each line item for portion of work performed and for stored products.
- I. List each authorized Change Order as a separate line item, listing Change Order number and dollar amount as for an original item of work.
- J. Submit one electronic and three hard-copies of each Application for Payment.

- K. Include the following with the application:
  - 1. Transmittal letter as specified for submittals in Section 01 30 00.
  - 2. Construction progress schedule, revised and current as specified in Section 01 30 00.
  - 3. Current construction photographs specified in Section 01 30 00.
- L. When Architect requires substantiating information, submit data justifying dollar amounts in question. Provide one copy of data with cover letter for each copy of submittal. Show application number and date, and line item by number and description.

#### **1.05 PRODUCT HANDLING**

- A. Maintain a "Register of Bulletins and Change Orders" at the job site, accurately reflecting current status of all pertinent data.
- B. Make the Register available for review upon request.

#### **1.06 PROCESSING CHANGES INITIATED BY THE OWNER AND/OR AE**

- A. For minor changes not involving an adjustment to the Contract Price or Contract Time, Architect will issue instructions directly to Contractor.
- B. Should the Owner contemplate making a change in the Work or a change in the Contract Time of Completion, the Architect/Engineer, upon Owner direction, will issue a "Bulletin" to the Contractor.
  - 1. Bulletins will be dated and will be numbered in sequence.
  - 2. The Bulletin will describe the contemplated change.
    - a. Promptly advise Architect/Engineer as to credit or cost and time required proposed for the described change. This is not an authorization to proceed with the change.
- C. If the Contractor has been directed by Architect/Engineer to make the described change in the Work at no change in the Contract Sum and no change in the Contract Time of Completion, but the Contractor wishes to make a claim for one or both of such changes, the Contractor shall proceed with the change and shall notify the Architect/Engineer as provided for under Article 7 of the General Conditions.
- D. If the Contractor has been directed by Architect/Engineer to make the described change subject to later determination of cost or credit in accordance with Article 7 of the General Conditions, the Contractor shall:
  - 1. Take such measures as needed to make the change.
  - 2. Consult with Architect/Engineer and reach agreement on the most appropriate method for determining credit or cost for the change.

#### **1.07 PROCESSING CHANGES INITIATED BY CONTRACTOR**

- A. Should the Contractor discover a discrepancy among the Contract Documents, a concealed condition or other cause for suggesting a change in the Work, a change in the Contract Sum, or a change in the Contract Time of Completion, he shall notify Architect/Engineer as required by pertinent provisions of the Contract Documents.
- B. Upon agreement by Architect/Engineer that there is reasonable cause to consider the Contractor's proposed change, Architect/Engineer will issue a Bulletin in accordance with the provisions described in Article 1.06 above.

#### **1.08 PROCESSING OF BULLETINS**

- A. Make written reply to Architect/Engineer in response to each Bulletin by date stated on the Bulletin:
  - 1. State proposed change in the Contract Sum, if any.
  - 2. State proposed change in the Contract Time of Completion, if any.
  - 3. Clearly describe other changes in the Work required by the proposed change, or desirable therewith, if any.
  - 4. Include full backup data such as subcontractor's letter of proposal or similar information.
- B. When cost or credit for the proposed change has been agreed upon by the Owner and the Contractor, or the Owner has directed that cost or credit be determined in accordance with provisions of Article 29 of General Conditions for Construction Contracts - Public Housing Programs and applicable Supplementary Conditions, A/E will notify contractor in writing. A formal Change Order will be initiated and executed at the time of completion of the Contract, or at a time when the

payment for work completed is due. All approved Bulletins previously not incorporated into the Contract by a Change Order, shall be combined into a Change Order to adjust the final Contract Sum to compensate for all Changes in the Work to date.

#### **1.09 PROCESSING CHANGE ORDERS**

- A. Change Orders will be dated and will be numbered in sequence.
- B. The Change Order will describe the change or changes, will refer to the Bulletin or Bulletins involved, and will be endorsed by Architect/Engineer and signed by the Contractor and the Owner.
- C. Architect/Engineer will issue three copies of each Change Order.
  - 1. The Contractor promptly shall sign all three copies and return all copies to Architect/Engineer.
  - 2. Architect/Engineer shall forward the Change Order to the Owner for his signature. Upon approval, he shall distribute two fully executed copies of the Change Order to Architect/Engineer. A/E to distribute one to the Contractor.
- D. Substantiation of Costs: Provide full information required for evaluation.
  - 1. On request, provide the following data:
    - a. Quantities of products, labor, and equipment.
    - b. Taxes, insurance, and bonds.
    - c. Overhead and profit.
    - d. Justification for any change in Contract Time.
    - e. Credit for deletions from Contract, similarly documented.
  - 2. Support each claim for additional costs with additional information:
    - a. Origin and date of claim.
    - b. Dates and times work was performed, and by whom.
    - c. Time records and wage rates paid.
    - d. Invoices and receipts for products, equipment, and subcontracts, similarly documented.
  - 3. For Time and Material work, submit itemized account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract.
- E. Execution of Change Orders: Architect will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.
- F. After execution of Change Order, promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Sum.
- G. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.
- H. Promptly enter changes in Project Record Documents.

#### **1.10 APPLICATION FOR FINAL PAYMENT**

- A. Prepare Application for Final Payment as specified for progress payments, identifying total adjusted Contract Sum, previous payments, and sum remaining due.
- B. Submit application for Final Payment no later than December 31, 2024.
- C. Application for Final Payment will not be considered until the following have been accomplished:
  - 1. All closeout procedures specified in Section 01 70 00.
  - 2. All closeout submittals specified in Section 01 78 00.
  - 3. Acceptance of the work in full per Article 20 of General Conditions for Construction Contracts - Public Housing Programs and applicable Supplementary Conditions.
  - 4. Completion of payment procedures for final payment per Article 27 of General Conditions for Construction - Public Housing Programs and applicable Supplementary Conditions.

**PART 2 PRODUCTS - NOT USED**

**PART 3 EXECUTION - NOT USED**

**END OF SECTION**

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**HSR ASSOCIATES INC.**  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.8844  
www.hsrassociates.com

Consultant:

LOCATION: Unit Bedrooms, hallways, kitchens, stairwells.  
Inside Hallways, kitchens, stairwells, common areas.  
Outside None

**MORE INFORMATION:** - Smoke alarm should be installed high on walls or ceilings.  
- If mounted on the ceiling, then it must be greater than 4 inches from the wall.  
- If mounted on the wall, then the top edge of the smoke alarm cannot be closer than 4 inches or greater than 12 inches from the ceiling.  
- Smoke alarm should be installed at least 10 feet from a cooking appliance.  
- Smoke alarm should not:  
- Be installed near windows, doors, or ducts where drafts might interfere with their operation.  
- Be painted or have decorative slickers or other decorations present.  
- The unit must include at least one battery-operated or hard-wired smoke detector, in proper working condition, in the following locations:  
- On each level of the unit.  
- Inside each bedroom.  
- Within 21 feet of any door to a bedroom measured along a path of travel; and  
- Where a smoke detector installed outside a bedroom is separated from an adjacent living area by a door, a smoke detector must also be installed on the living area side of the door.

**NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, CHAPTER 29.11.3: INSTALLATION**

**29.11.3\* Smoke Alarms and Smoke Detectors.**  
Smoke alarms, smoke detectors, devices, combination of devices, and equipment shall be installed in accordance with the manufacturer's listing and published instructions, and, unless specifically listed for the application, shall comply with requirements in **29.11.3.1** through **29.11.3.4**.

**29.11.3.1\* Peaked Ceilings.**  
Smoke alarms or smoke detectors mounted on a peaked ceiling shall be located within 36 in. (910 mm) horizontally of the peak, but not closer than 4 in. (100 mm) vertically to the peak.

**29.11.3.2\* Sloped Ceilings.**  
Smoke alarms or smoke detectors mounted on a sloped ceiling having a rise greater than 1 ft in 8 ft (1 m in 8 m) horizontally shall be located within 36 in. (910 mm) of the high side of the ceiling, but not closer than 4 in. (100 mm) from the adjoining wall surface.

**29.11.3.3\* Wall Mounting.**  
Smoke alarms or smoke detectors mounted on walls shall be located not farther than 12 in. (300 mm) from the adjoining ceiling surface.

**29.11.3.4 Specific Location Requirements.**  
The installation of smoke alarms and smoke detectors shall comply with the following requirements:  
(1) Smoke alarms and smoke detectors shall not be located where ambient conditions, including humidity and temperature, are outside the limits specified by the manufacturer's published instructions.  
(2) Smoke alarms and smoke detectors shall not be located within unfinished attics or garages or in other spaces where temperatures can fall below 40°F (4.4°C) or exceed 100°F (38°C).  
(3)\* Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, smoke alarms and smoke detectors shall be mounted on an inside wall.  
(4)\* Smoke alarms and smoke detectors shall not be installed between 10 ft (3.0 m) and 20 ft (6.1 m) along a horizontal flow path from a stationary or fixed cooking appliance unless the devices comply with the following:  
(a) Prior to January 1, 2025, smoke alarms and smoke detectors shall be equipped with an alarm silencing means, use photoelectric detection, or be listed for resistance to common nuisance sources from cooking in accordance with the 8th edition of UL 217, *Smoke Alarms*, the 7th edition of UL 268, *Smoke Detectors for Fire Alarm Systems*, or subsequent editions.  
(b) Effective January 1, 2025, smoke alarms and smoke detectors shall be listed for resistance to common nuisance sources from cooking in accordance with the 8th edition of UL 217, the 7th edition of UL 268, or subsequent editions.  
(5) Smoke alarms and smoke detectors shall not be installed within an area of exclusion determined by a 10 ft (3.0 m) radial distance along a horizontal flow path from a stationary or fixed cooking appliance. When the 10 ft (3.0 m) area of exclusion would prohibit the placement of a smoke alarm or smoke detector required by other sections of this Code, and when the kitchen or cooking area and adjacent spaces have no clear interior partitions or headers, smoke alarms or smoke detectors shall be permitted for installation at a radial distance between 6 ft (1.8 m) and 10 ft (3.0 m) from any stationary or fixed cooking appliance unless the devices comply with the following:  
(a) Prior to January 1, 2025, the devices shall use photoelectric detection or be listed for resistance to common nuisance sources from cooking in accordance with the 8th edition of UL 217, the 7th edition of UL 268, or subsequent editions.  
(b) Effective January 1, 2025, the devices shall be listed for resistance to common nuisance sources from cooking in accordance with the 8th edition of UL 217, the 7th edition of UL 268, or subsequent editions.  
(6)\* Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from a door to a bathroom containing a shower or tub unless listed for installation in close proximity to such locations.  
(7) Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow from those registers.  
(8)\* Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan unless the room configuration restricts meeting this requirement.  
(9) Where stairs lead to other occupiable levels, a smoke alarm or smoke detector shall be located so that smoke rising in the stairway cannot be prevented from reaching the smoke alarm or smoke detector by an intervening door or obstruction.  
(10) For stairways leading up from a basement, smoke alarms or smoke detectors shall be located on the basement ceiling near the entry to the stairs.  
(11)\* For tray-shaped ceilings (coffered ceilings), smoke alarms and smoke detectors shall be installed on the highest portion of the ceiling or on the sloped portion of the ceiling within 12 in. (300 mm) vertically down from the highest point.  
(12) Smoke alarms and detectors installed in rooms with joists or beams shall comply with the requirements of **17.4.2.4**.  
(13) Heat alarms and detectors installed in rooms with joists or beams shall comply with the requirements of **17.6.3**.

\* indicates enhanced code. See NFPA 72, 29.11.3 for full code text.

**2015 IBC 907.2.11.1, 2.3.4.5; FOR 3 OR MORE DWELLING UNITS.**

[F] 907.2.11 Single- and multiple-station smoke alarms. Listed single- and multiple-station smoke alarms complying with UL 217 shall be installed in accordance with Sections 907.2.11.1 through 907.2.11.6 and NFPA 72.

[F] 907.2.11.1 Group R-4. Single- or multiple-station smoke alarms shall be installed in all of the following locations in Group R-4:  
1. In sleeping areas.  
2. In every room in the path of the means of egress from the sleeping area to the door leading from the sleeping unit.  
3. In each story within the sleeping unit, including basements. For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

[F] 907.2.11.2 Groups R-2, R-3, R-4 and 1-1. Single- or multiple-station smoke alarms shall be installed and maintained in Groups R-2, R-3, R-4 and 1-1 regardless of occupant load at all of the following locations:  
1. On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of bedrooms.  
2. In each room used for sleeping purposes.  
3. In each story within a dwelling unit, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

[F] 907.2.11.3 Installation near cooking appliances. Smoke alarms shall not be installed in the following locations unless this would prevent placement of a smoke alarm in a location required by Section 907.2.11.1 or 907.2.11.2:  
1. Ionization smoke alarms shall not be installed less than 20 feet (6096 mm) horizontally from a permanently installed cooking appliance.  
2. Ionization smoke alarms with an alarm-silencing switch shall not be installed less than 10 feet (3048 mm) horizontally from a permanently installed cooking appliance.  
3. Photoelectric smoke alarms shall not be installed less than 6 feet (1829 mm) horizontally from a permanently installed cooking appliance.

[F] 907.2.11.4 Installation near bathrooms. Smoke alarms shall be installed not less than 3 feet (914 mm) horizontally from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm required by Sections 907.2.11.1 or 907.2.11.2.

[F] 907.2.11.5 Interconnection. Where more than one smoke alarm is required to be installed within an individual dwelling unit or sleeping unit in Group R or 1-1 occupancies, the smoke alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit. Physical interconnection of smoke alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

SPS 321.09 Smoke detectors.

(1) A listed and labeled multiple-station smoke alarm with battery backup shall be installed in all of the following locations:  
(a) An alarm shall be installed inside each sleeping room.  
(b) On floor levels that contain one or more sleeping areas, an alarm shall be installed outside of the sleeping rooms, within 21 feet of the centerline of the door opening to any sleeping room and in an exit path from any sleeping room.  
(c) On floor levels that do not contain a sleeping area, an alarm shall be installed in a common area on each floor level.

Note: Section 50.035 (2), Stats., requires the installation of a complete low voltage, interconnected or radio-transmitting smoke detection system in all community-based residential facilities including those having 8 or fewer beds.  
Note: Section 101.545 (3), Stats., requires the owner of a dwelling to install a functional smoke detector in the basement of the dwelling and on each floor level except the attic or storage area of each dwelling unit. The occupant of such a dwelling unit shall maintain any smoke detector in that unit, except that if any occupant who is not the owner, or any state, county, city, village or town officer, agent or employee charged under statute or municipal ordinance with powers or duties involving inspection of real or personal property, gives written notice to the owner that the smoke detector is not functional the owner shall provide, within 5 days after receipt of that notice, any maintenance necessary to make that smoke detector functional.  
Note: Section 101.745 (4), Stats., requires that the manufacturer of a modular home shall install a functional smoke detector on each floor level except the attic or storage area of each dwelling unit.

(2) (a) Except for dwellings with no electrical service, smoke detectors required by this section shall be continuously powered by the house electrical service, and shall be interconnected so that activation of one detector will cause activation of all detectors. Note: Wireless interconnectivity is permitted under this paragraph.  
(b) Dwellings with no electrical service shall be provided with battery-powered smoke detectors in the locations under sub. (1). Interconnection and battery-backup are not required in these dwellings.  
(3) For family living units with one or more communicating split levels or open adjacent levels with less than 5 feet of separation between levels, one smoke detector on the upper level shall suffice for an adjacent lower level, including basements. Where there is an intervening door between one level and the adjacent lower level, smoke detectors shall be installed on each level.  
(4) Smoke alarms and detectors shall be maintained in accordance with the manufacturer's specifications.  
(5) For envelope dwellings, at least 3 smoke alarms shall be placed in the air passageways. The alarms shall be placed as far apart as possible.  
(6) In basements where two required exits are separated by a continuous wall, a smoke detector shall be placed on each side of the wall within 21 feet of each exit.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80; r. and rec. Register, February, 1985, No. 350, eff. 3-1-85; r. and rec. Register, April, 1990, No. 412, eff. 5-1-90; renum. to be (1), cr. (2) and (3), Register, March, 1992, No. 435, eff. 4-1-92; renum. (2) and (3) to be (3) and (4), cr. (2), Register, November, 1995, No. 470, eff. 12-1-95; r. and rec. (1), r. (2), renum. (3) and (4) to be (2) and (3), and cr. (4) and (5), Register, March, 2001, No. 543, eff. 4-1-01; CR 08-043, am. (1) (b) and (3), renum. (2) to be (2) (a) and am. cr. (2) (b) and (6) Register March 2009, No. 638, eff. 4-1-09

**NOTE:**  
**PROVIDE 50 SMOKE ALARMS TO OWNER FOR OWNER'S STOCK IN ADDITION TO THE QUANTITY INSTALLED:**

**-PROVIDE 10 COUNT IONIZATION TYPE: BRK#1046858 SMI110 OR EQUAL**  
**-PROVIDE 10 COUNT PHOTOELECTRIC TYPE: BRK#1046741 SM210 OR EQUAL**  
**-PROVIDE 30 COUNT COMBINATION PHOTO/CO TYPE: BRK#1046802 SMCO210 OR EQUAL.**

**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

**SMOKE ALARM TYPES:**

-IONIZATION SMOKE ALARM  
-PHOTOELECTRIC SMOKE ALARM  
-COMBINATION SMOKE AND CO ALARM

SD <sub>i</sub>	SMOKE ALARM - IONIZATION
SD <sub>p</sub>	SMOKE ALARM - PHOTOELECTRIC
SD <sub>co</sub>	SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS

IONIZATION TYPE: BRK #1046858 SMI110 OR EQUAL.  
PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
COMBINATION PHOTO/CO TYPE: BRK #1046802 SMCO210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE **IONIZATION** TYPE.

SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE **PHOTOELECTRIC**, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6' FROM A COOKING APPLIANCE.

SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 5' FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) **COMBINATION SMOKE/CO** ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

**FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.**

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**

**ANY FLOOR LEVEL WITH A MECHANICAL ROOM CONTAINING FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT.**

**ANY APARTMENT UNIT LOCATED ON THE FLOORS ABOVE AND/OR BELOW A MECHANICAL ROOM WITH FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT AS SHOWN.**

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Title:  
Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

Sheet Title:  
LHA SMOKE ALARM NOTES

HSR Project Number:  
**24034**

Project Date:  
**AUGUST 2024**

Drawn By:  
**JMH**

Key Plan:

No.	Description	Date
A02	ADDENDUM #2	08/22/2024

Graphic Scale:  
**VARIES**

Last Update:  
**8/22/2024 3:01:56 PM**

**E001**



No.	Description	Date
A02	ADDENDUM #2	08/22/2024



**1 1ST FLOOR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**2 2ND-7TH FLOOR SMOKE ALARM PLAN**  
1/8" = 1'-0"

**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

SD<sub>i</sub> SMOKE ALARM - IONIZATION  
SD<sub>p</sub> SMOKE ALARM - PHOTOELECTRIC  
SD<sub>co</sub> SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1046858 SM1110 OR EQUAL.  
PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
COMBINATION PHOTO/CO TYPE: BRK #1046802 SMCO210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

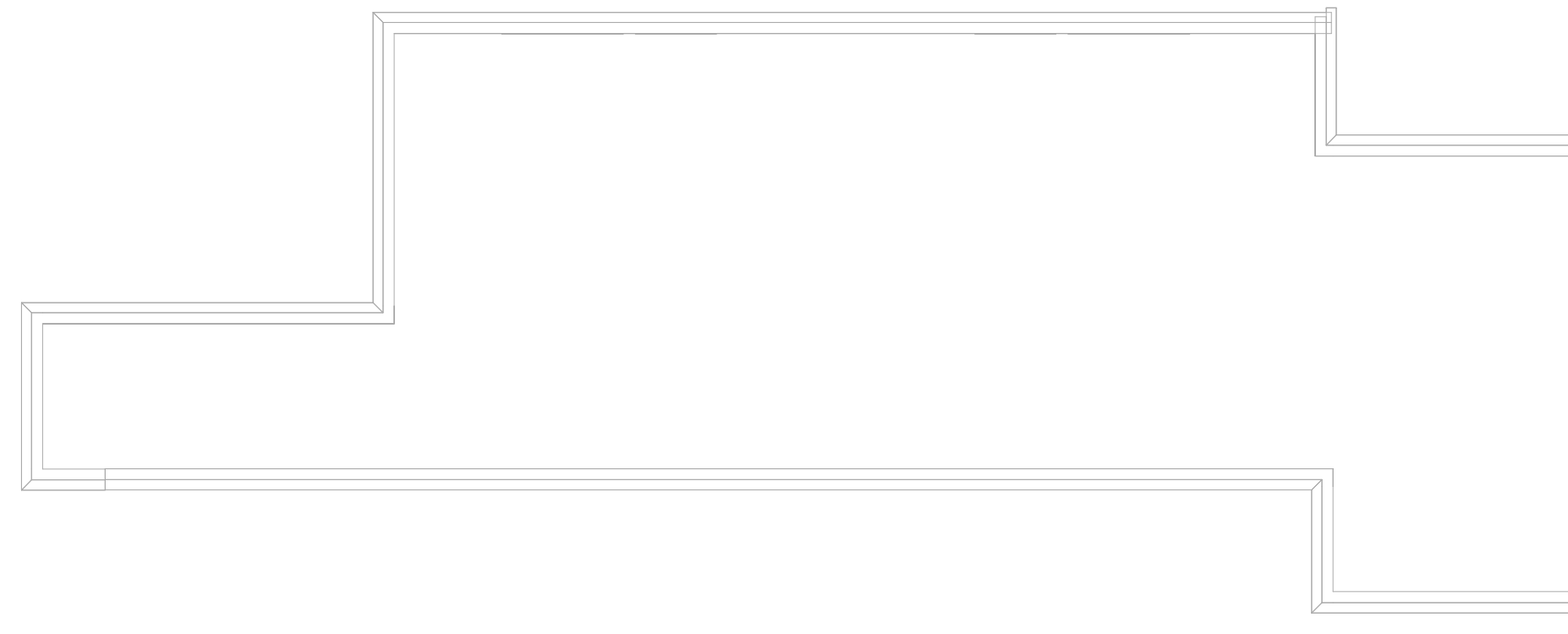
SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6' FROM A COOKING APPLIANCE.

SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 3' FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

**FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.**



**5 PENTHOUSE FLOOR PLAN**  
1/8" = 1'-0"



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

SMOKE ALARM UNIT PLAN

Project Title:

HSR Project Number: 24034

Project Date: AUGUST 2024

Drawn By: JMH

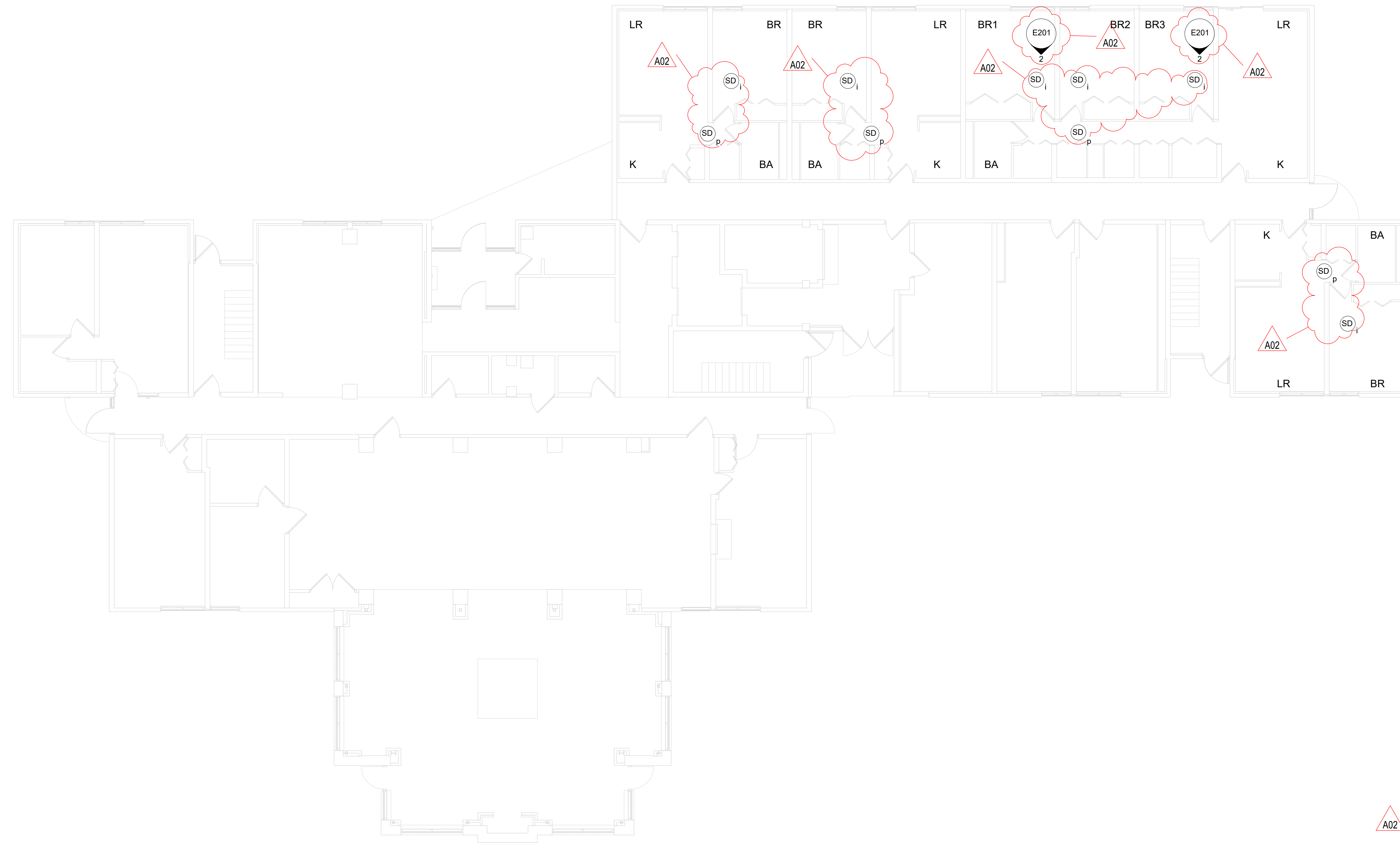
Key Plan:

No.	Description	Date
A02	ADDENDUM #2	08/22/2024

Graphic Scale:  
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Last Update:  
8/22/2024 3:06:36 PM

E201



# 1 1ST FLOOR SMOKE ALARM PLANS

1/8" = 1'-0"

A02

ANY FLOOR LEVEL WITH A MECHANICAL ROOM CONTAINING FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT.  
ANY APARTMENT UNIT LOCATED ON THE FLOORS ABOVE AND/OR BELOW A MECHANICAL ROOM WITH FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT AS SHOWN.

A02

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**

A02

**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**  
**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**  
**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**  
**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

A02

## SMOKE ALARM TYPES:

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

- SD<sub>i</sub> SMOKE ALARM - IONIZATION
- SD<sub>p</sub> SMOKE ALARM - PHOTOELECTRIC
- SD<sub>co</sub> SMOKE ALARM - COMBINATION

### ALL MODELS TO BE:

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1046858 SMI110 OR EQUAL  
PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL  
COMBINATION PHOTO/CO TYPE: BRK #1046802 SMO210 OR EQUAL

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6" FROM A COOKING APPLIANCE.

SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 3' FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.

FOREST PARK



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

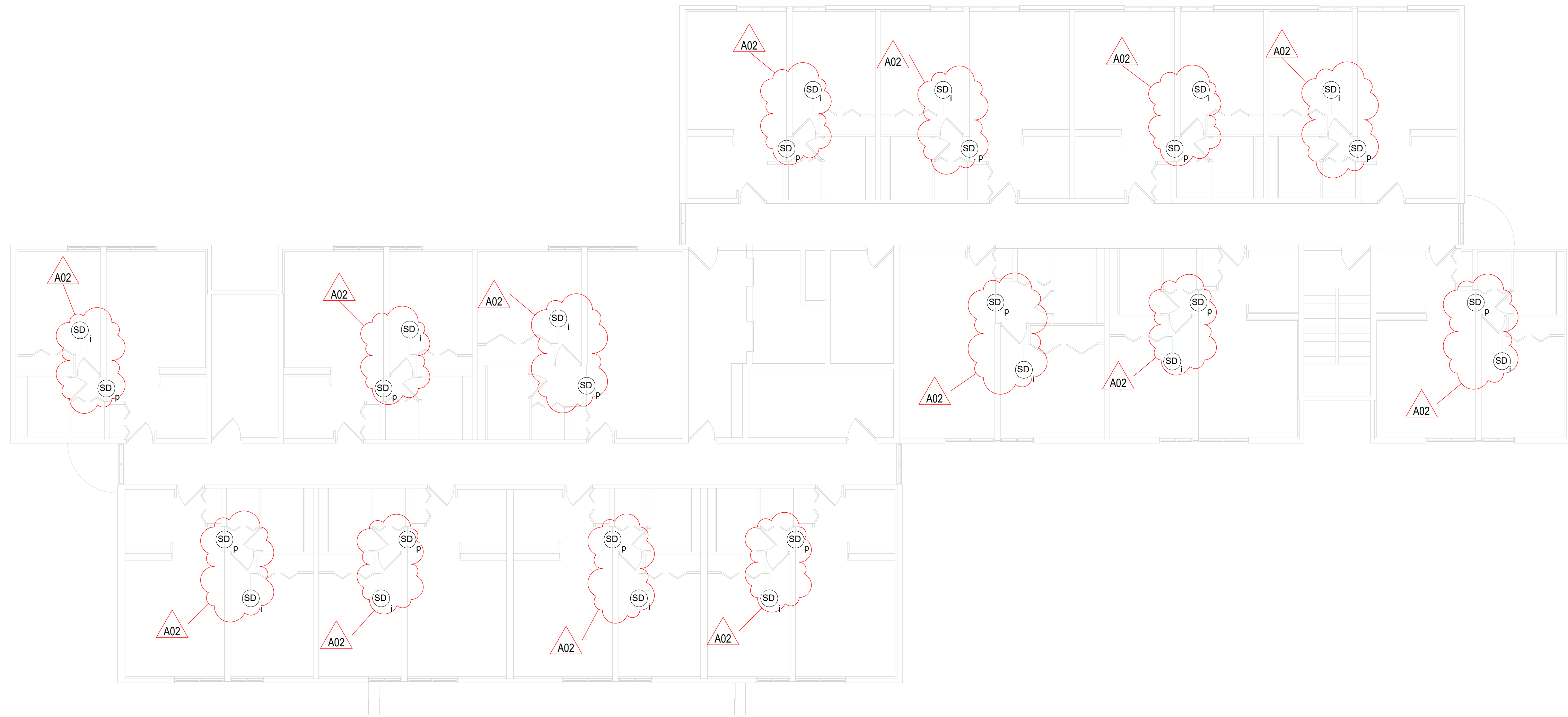
SMOKE ALARM UNIT PLANS

HSR Project Number: 24034

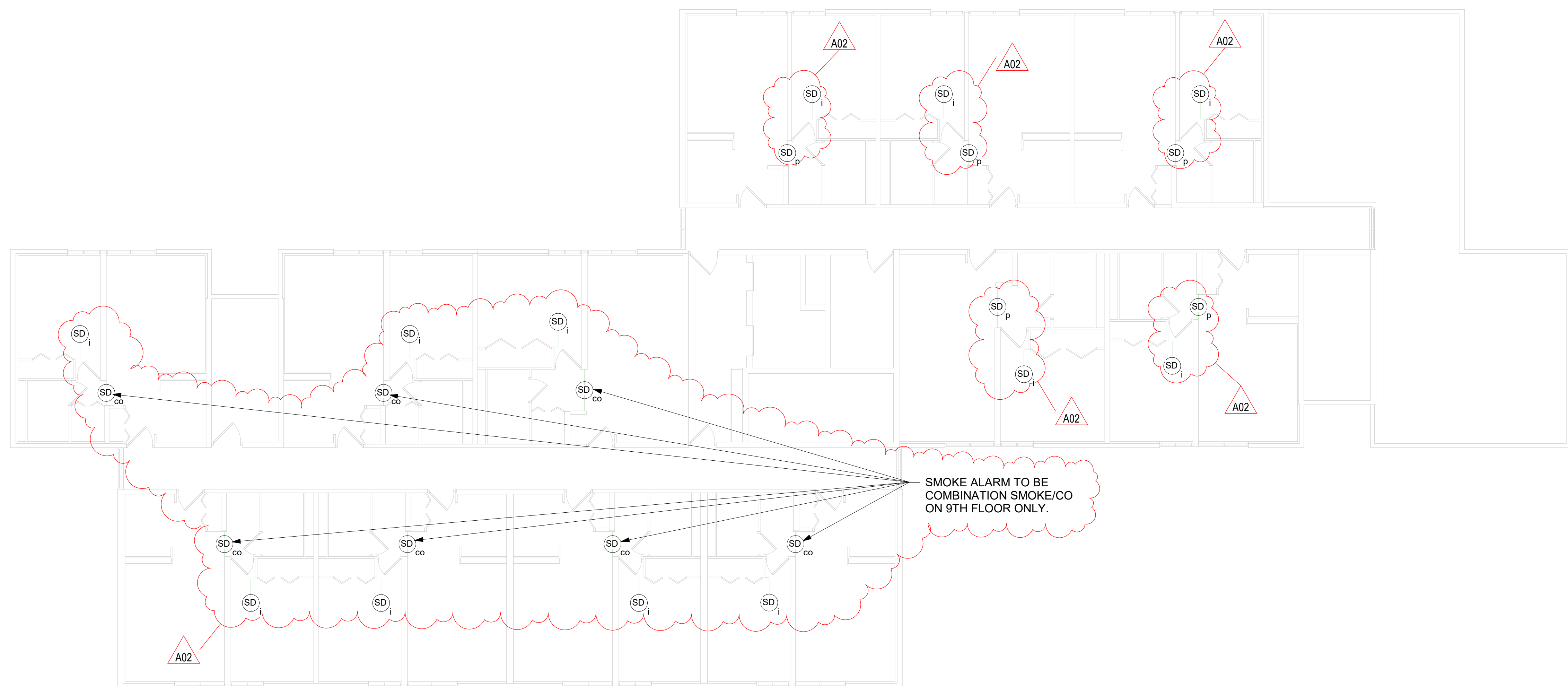
Project Date: AUGUST 2024

Drawn By: JMH

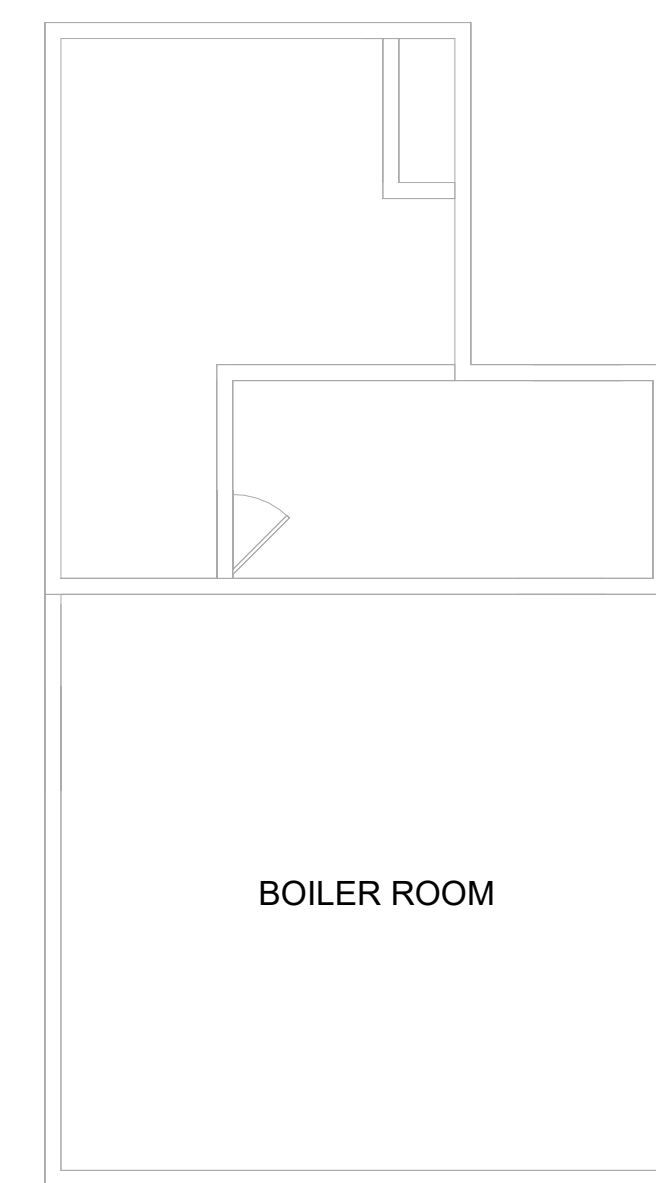
Key Plan:



**3** 2ND - 7TH FLOOR SMOKE ALARM PLAN  
1/8" = 1'-0"



**4** 8TH & 9TH FLOOR SMOKE ALARM PLAN  
1/8" = 1'-0"



**5** PENTHOUSE FLOOR PLAN  
1/8" = 1'-0"

FOREST PARK

**E202**

No.	Description	Date
A02	ADDENDUM #2	08/22/2024

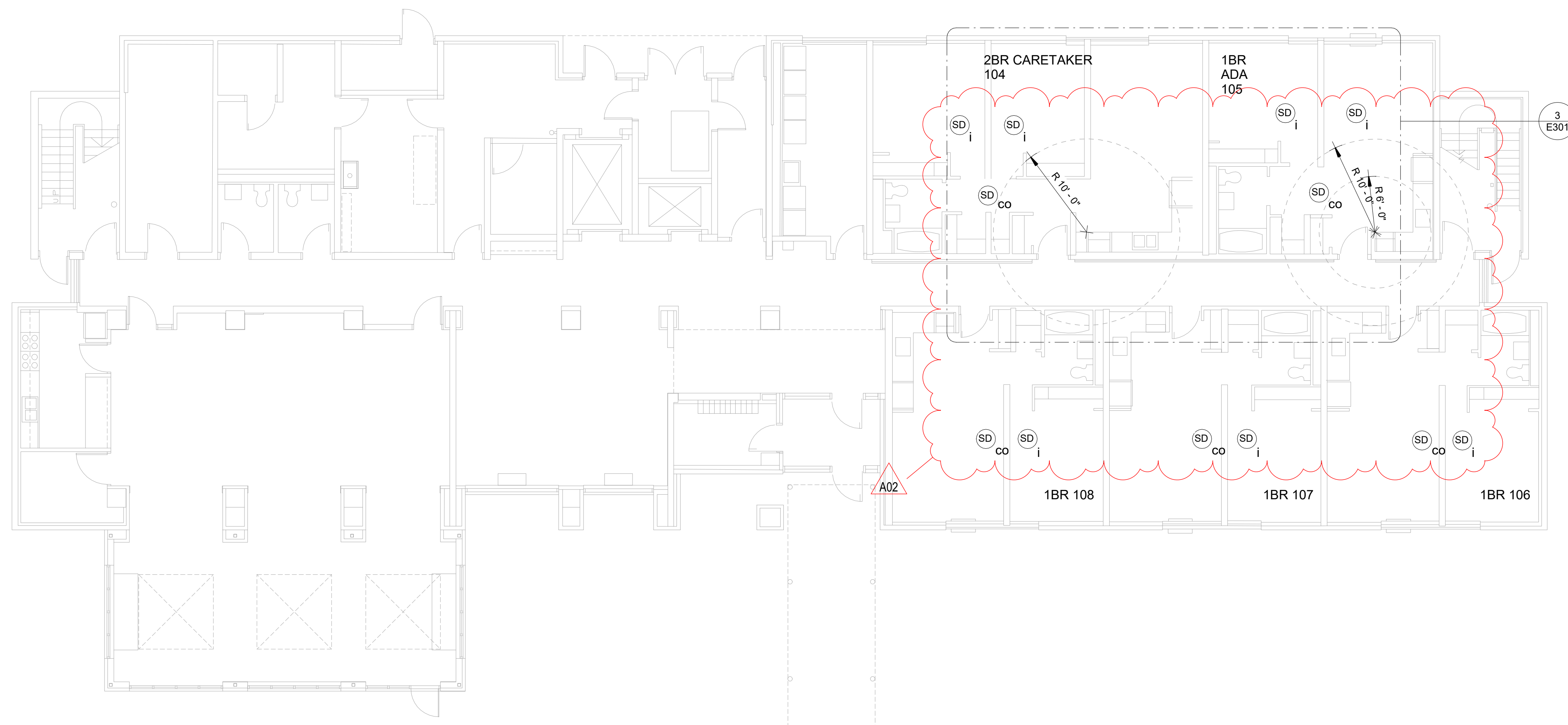
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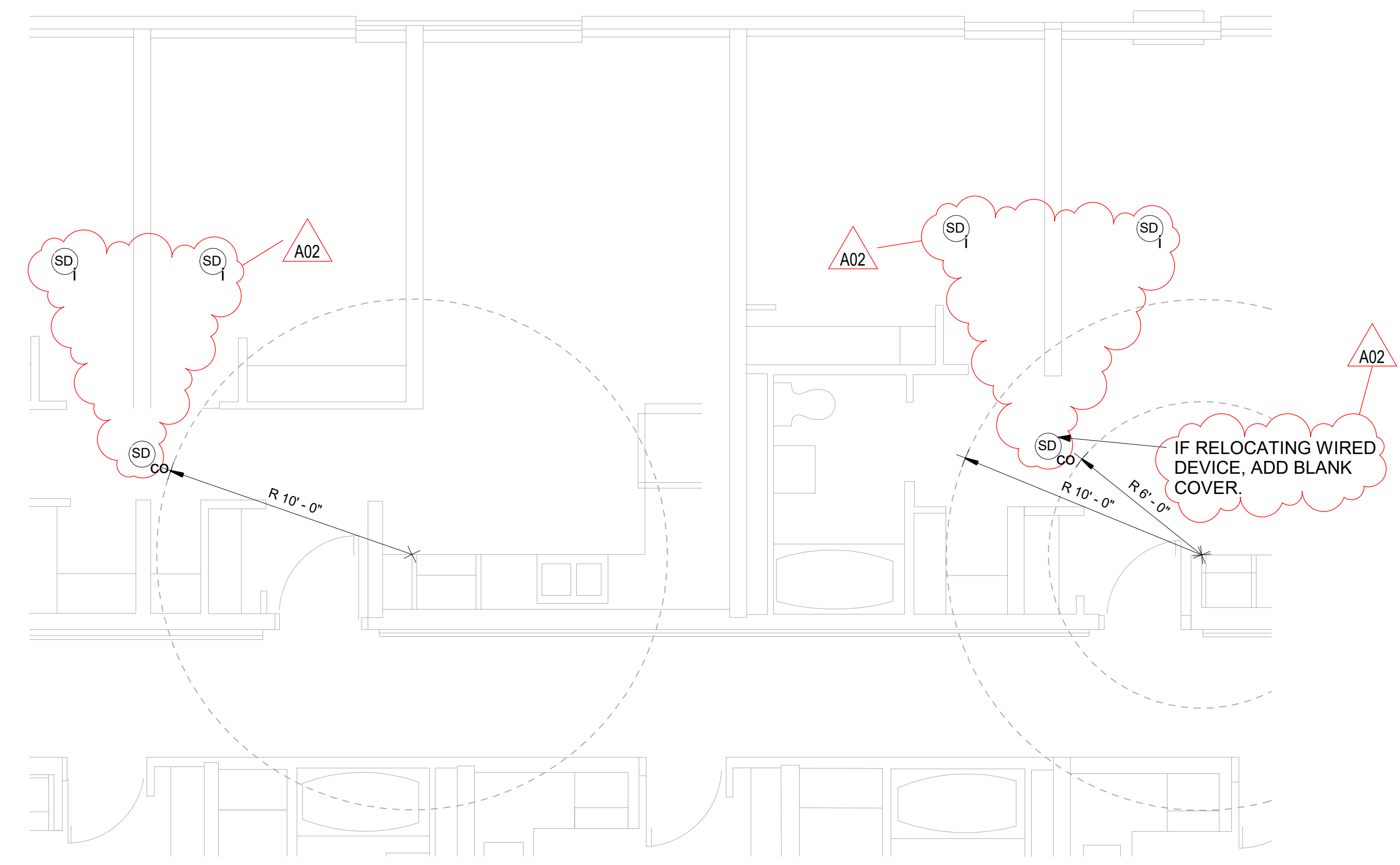
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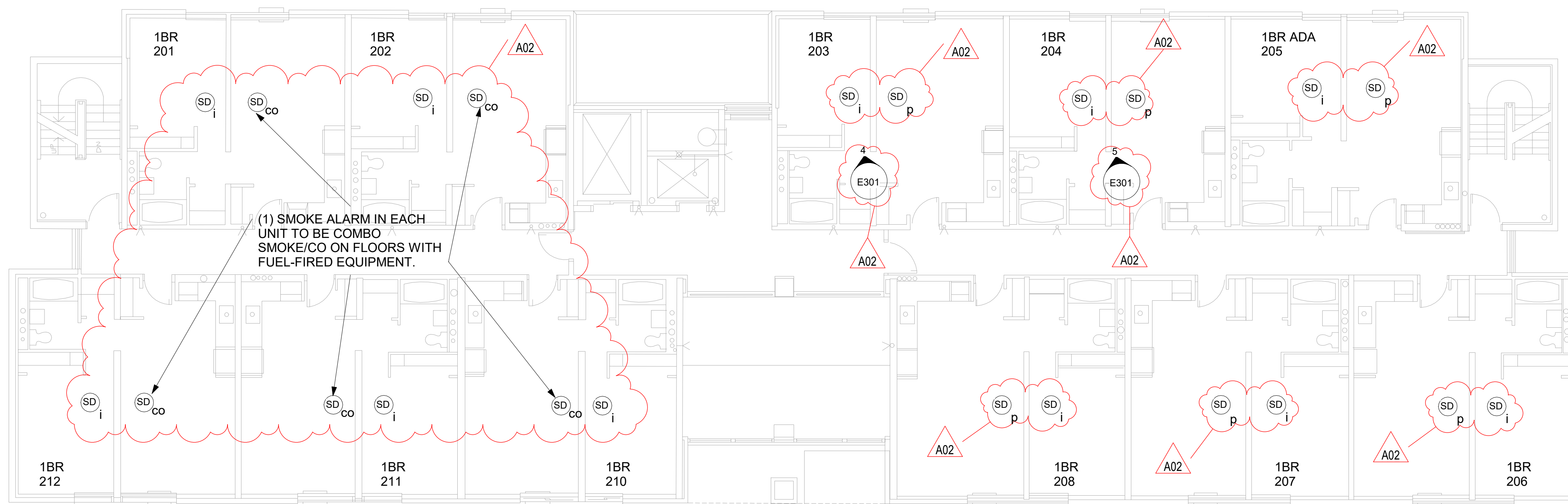




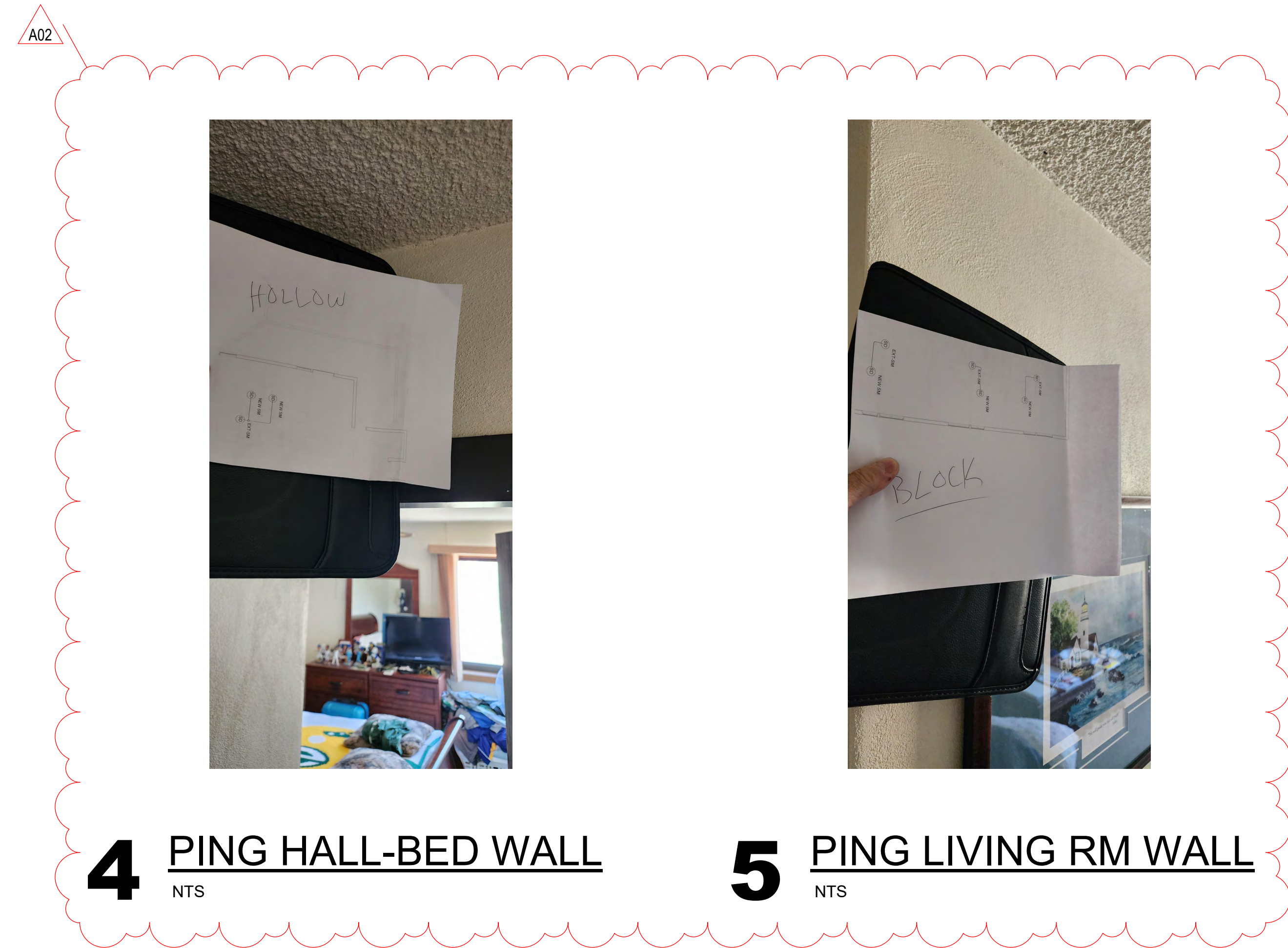
**1 1ST FLOOR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**3 ENLARGED 1ST FLOOR PLAN**  
1/4" = 1'-0"



**2 2ND FLOOR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**4 PING HALL-BED WALL**  
NTS

**5 PING LIVING RM WALL**  
NTS

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

	SMOKE ALARM - IONIZATION
	SMOKE ALARM - PHOTOELECTRIC
	SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1046558 SM110 OR EQUAL.  
 PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
 COMBINATION PHOTO/CO TYPE: BRK #1046802 SMCO210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6" FROM A COOKING APPLIANCE.

SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 3" FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.

**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

ANY FLOOR LEVEL WITH A MECHANICAL ROOM CONTAINING FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT.

ANY APARTMENT UNIT LOCATED ON THE FLOORS ABOVE AND/OR BELOW A MECHANICAL ROOM WITH FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT AS SHOWN.



Revisions:

No.	Description	Date
A02	ADDENDUM #2	08/22/2024

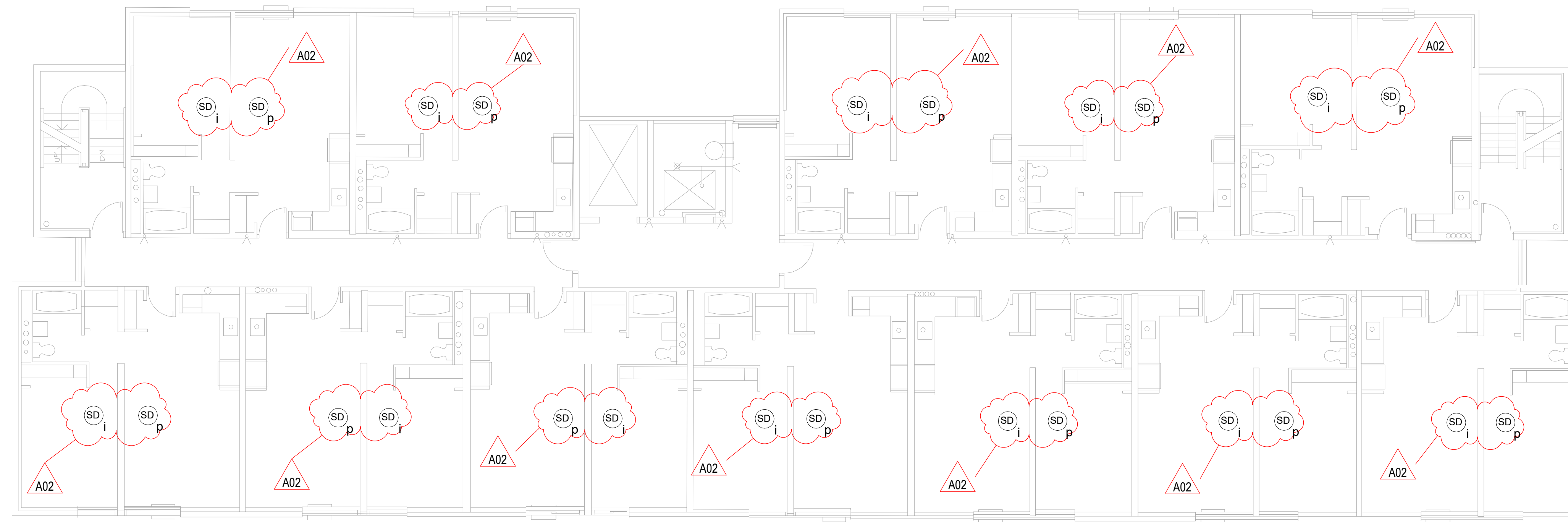
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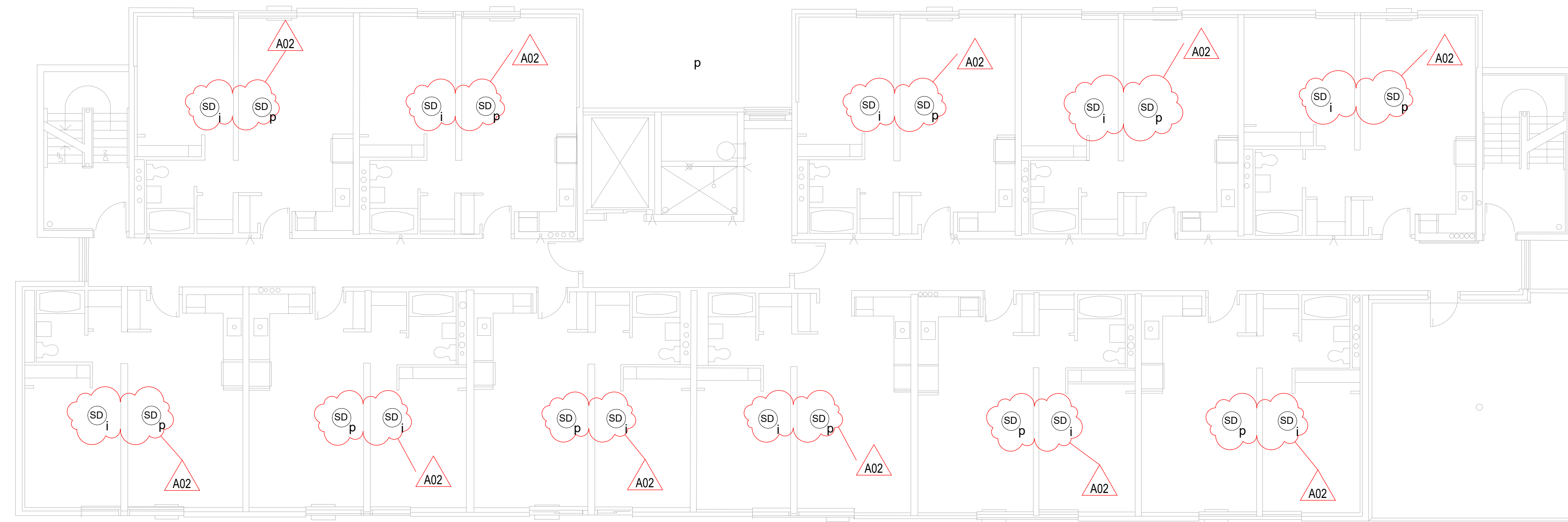
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8/22/2024 3:07:46 PM



Consultant:



**6** 3RD & 4TH FLOOR SMOKE ALARM PLAN  
1/8" = 1'-0"



**7** 5TH & 6TH FLOOR SMOKE ALARM PLAN  
1/8" = 1'-0"

Project Title: HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

Sheet Title: SMOKE ALARM UNIT PLANS

HSR Project Number: 24034

Project Date: AUGUST 2024

Drawn By: JMH

Key Plan:

No.	Description	Date
A02	ADDENDUM #2	08/22/2024

Graphic Scale: VARIES

Last Update: 8/22/2024 3:08:03 PM

**E302**

**PING MANOR**



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

Sheet Title: SMOKE ALARM UNIT PLANS

HSR Project Number: 24034

Project Date: AUGUST 2024

Drawn By: JMH

Key Plan:

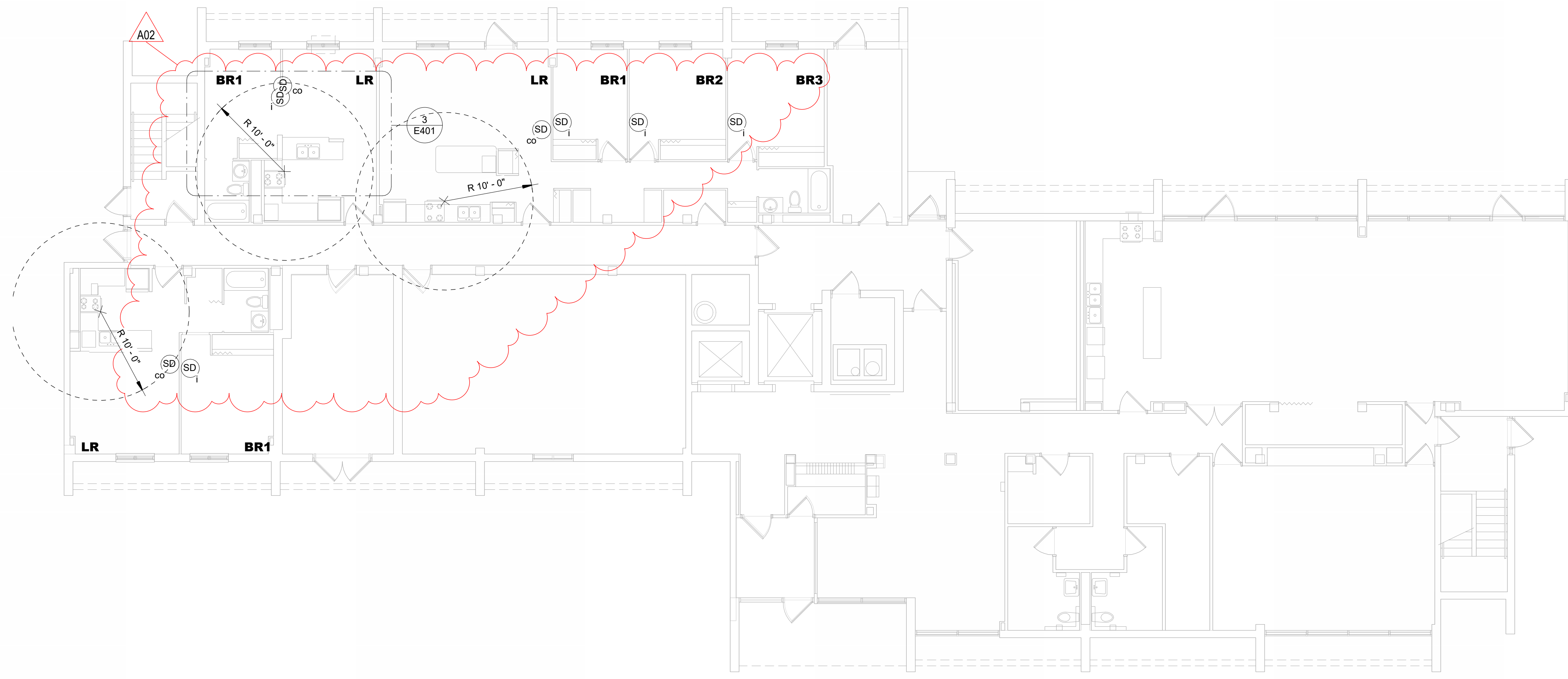
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A02	ADDENDUM #2	08/22/2024

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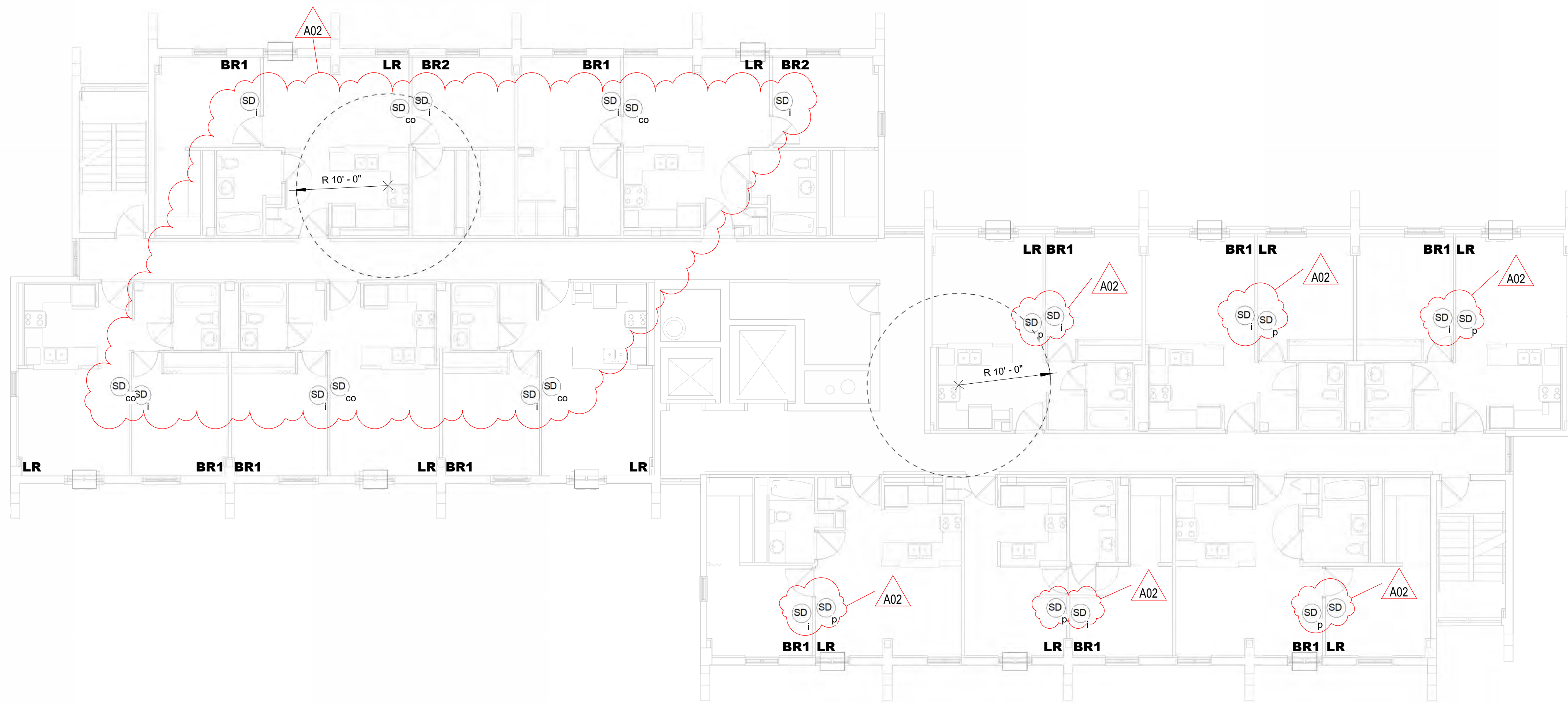
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E401

SAUBER MANOR



**1 1ST FLOOR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**2 2ND & 3RD FLOOR SMOKE ALARM PLAN**  
1/8" = 1'-0"

ANY FLOOR LEVEL WITH A MECHANICAL ROOM CONTAINING FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT.

ANY APARTMENT UNIT LOCATED ON THE FLOORS ABOVE AND/OR BELOW A MECHANICAL ROOM WITH FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT AS SHOWN.

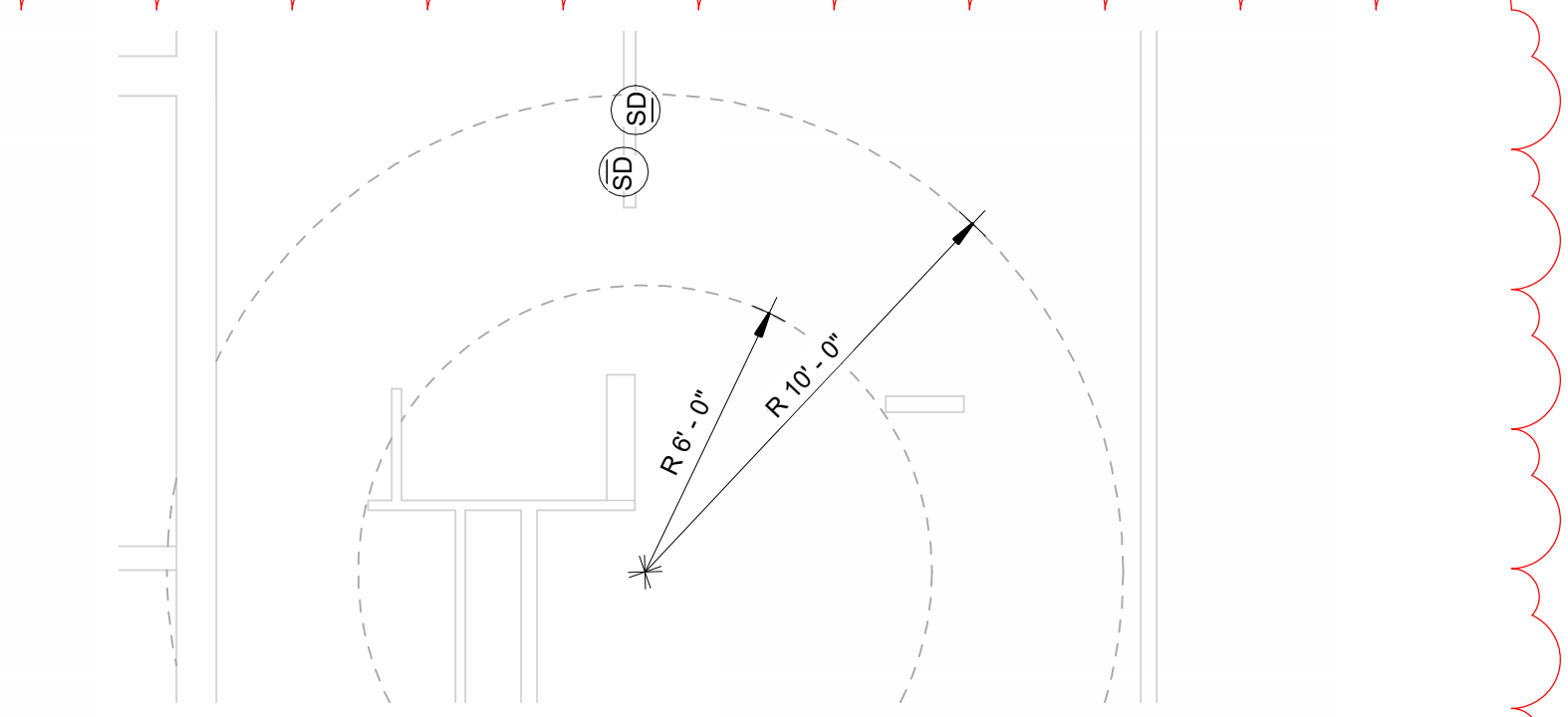
**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**



**3 COOKING ZONE-TYP**  
1/4" = 1'-0"



**4 CEILING MOUNTED**  
NTS



**5 WALL MOUNTED**  
NTS

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

SMOKE ALARM - IONIZATION  
 SMOKE ALARM - PHOTOELECTRIC  
 SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1046858 SM1110 OR EQUAL.  
 PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
 COMBINATION PHOTO/CO TYPE: BRK #1046802 SMCO210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6" FROM A COOKING APPLIANCE.

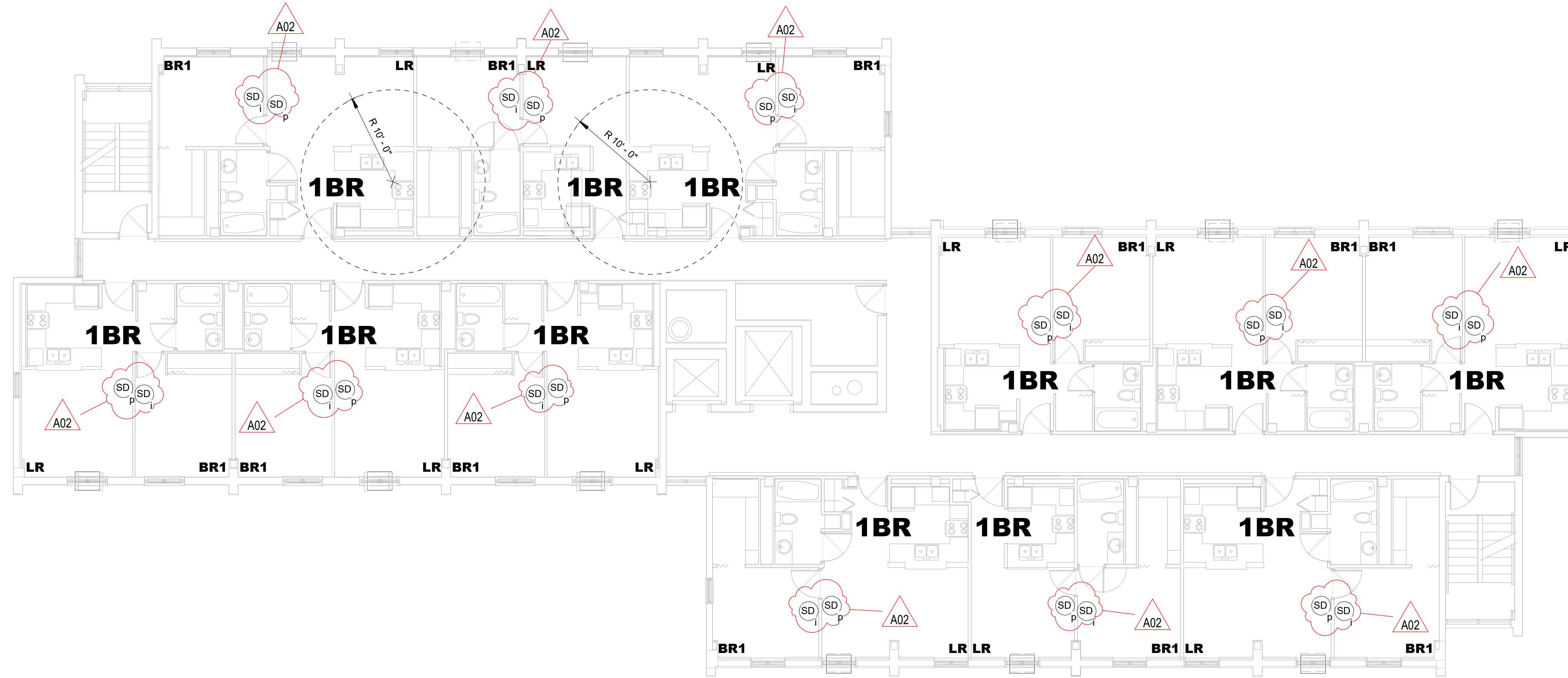
SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 3" FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

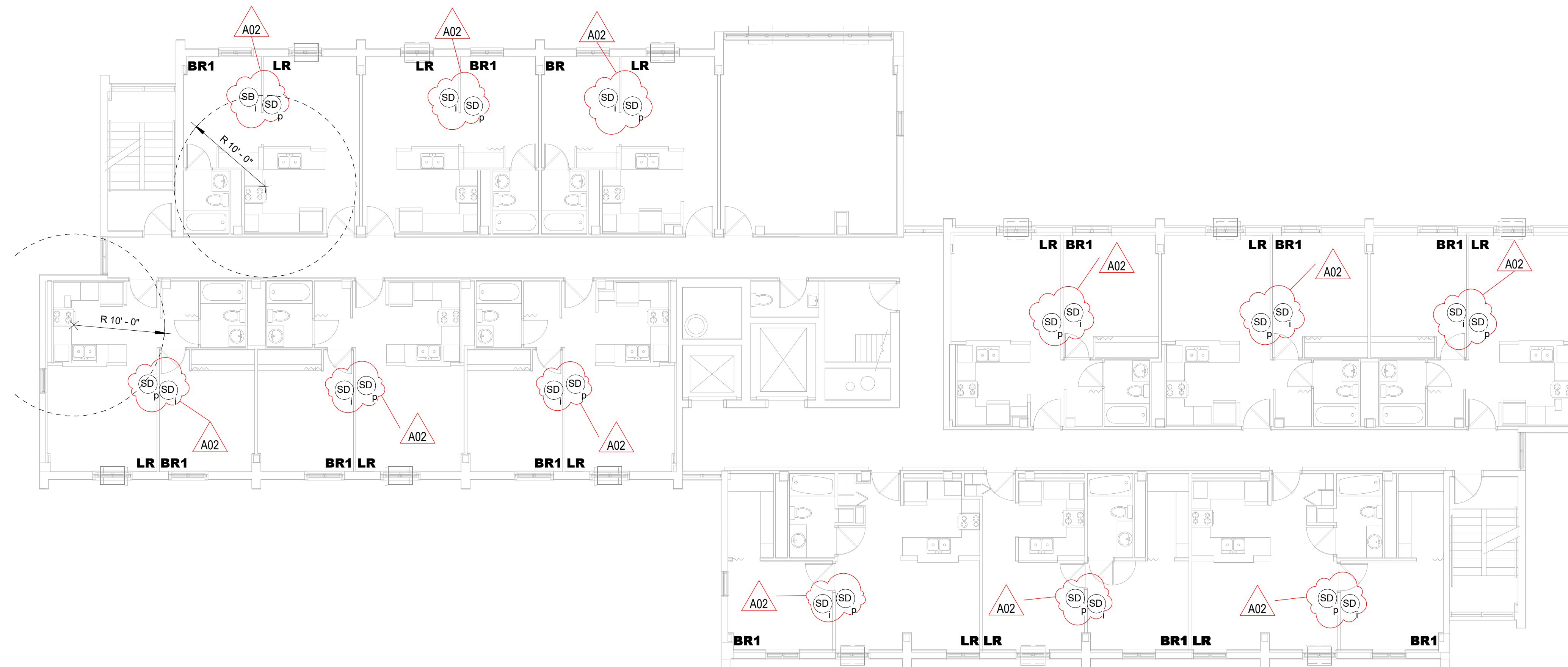
FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.



Consultant:



**6** 4TH-7TH FLOOR SMOKE ALARM PLAN  
1/8" = 1'-0"



**7** 8TH FLOOR SMOKE ALARM PLAN  
1/8" = 1'-0"

Project Title: HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

Sheet Title: SMOKE ALARM UNIT PLANS

HSR Project Number: 24034

Project Date: AUGUST 2024

Drawn By: JMH

Key Plan:

No.	Description	Date
A02	ADDENDUM #2	08/22/2024

Graphic Scale: VARIES

Last Update: 8/22/2024 3:10:05 PM

**E402**

**SAUBER MANOR**



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

Sheet Title: SMOKE ALARM UNIT PLANS

HSR Project Number: 24034

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Key Plan:

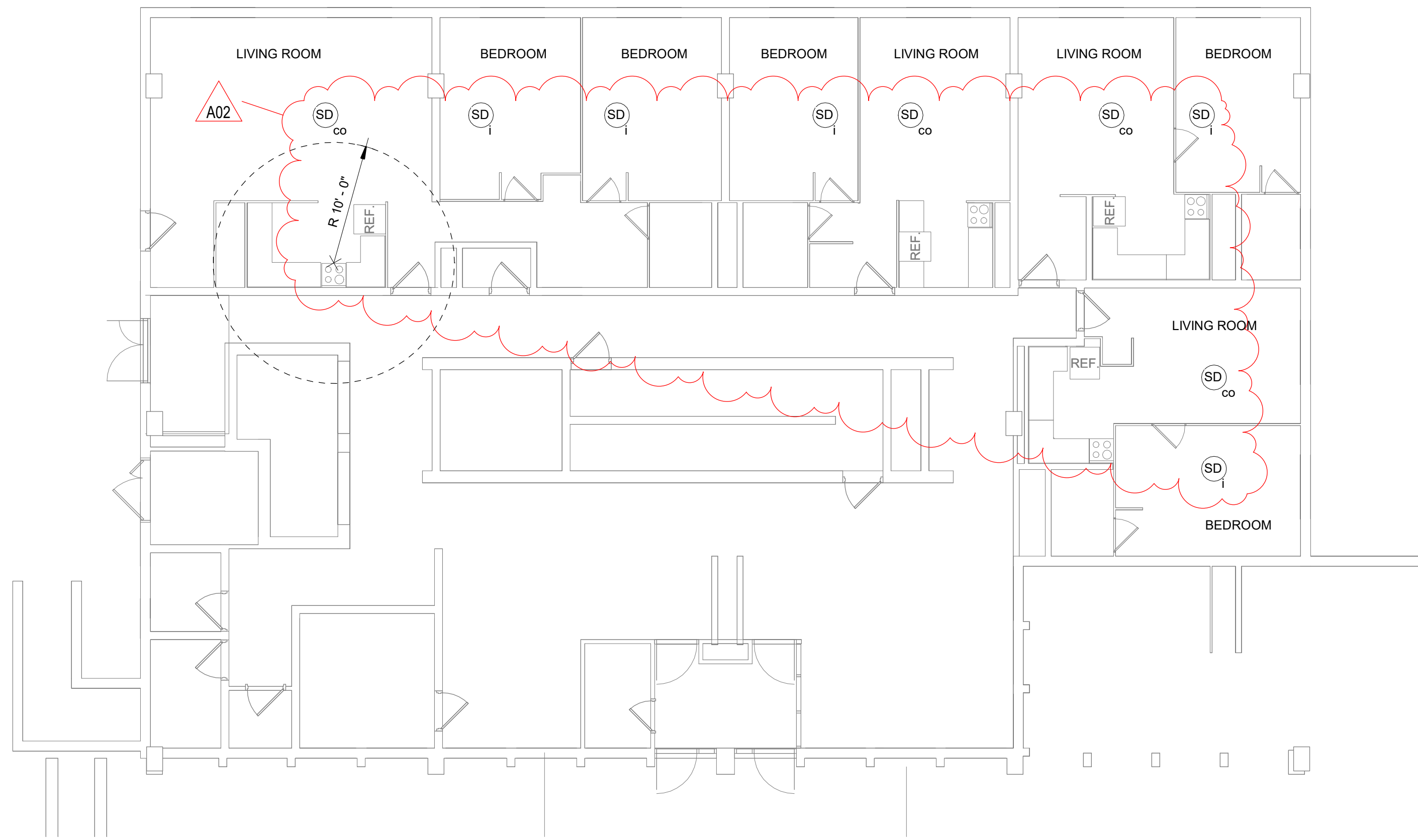
No.	Description	Date
A02	ADDENDUM #2	08/22/2024

Graphic Scale: VARIES

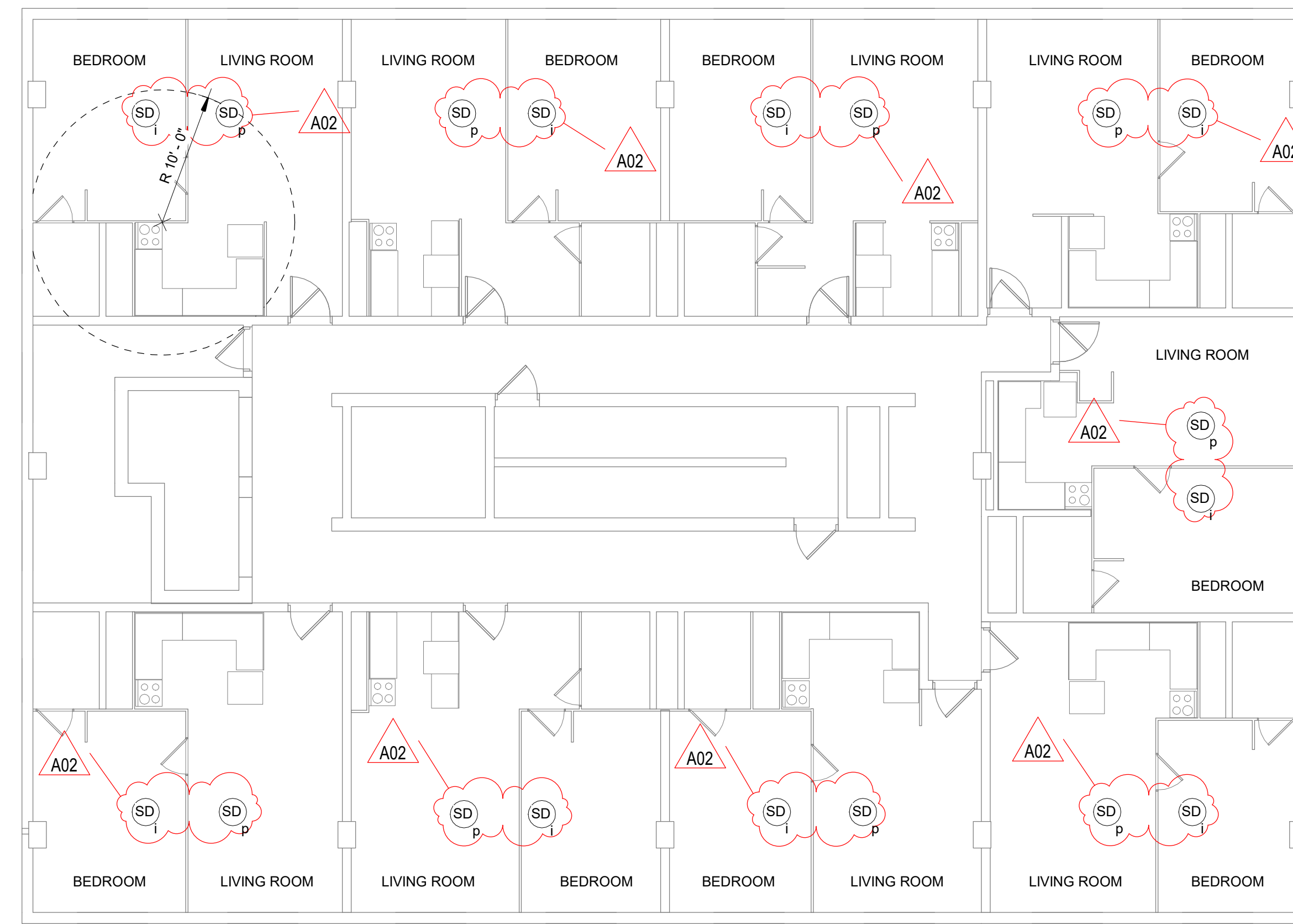
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E501

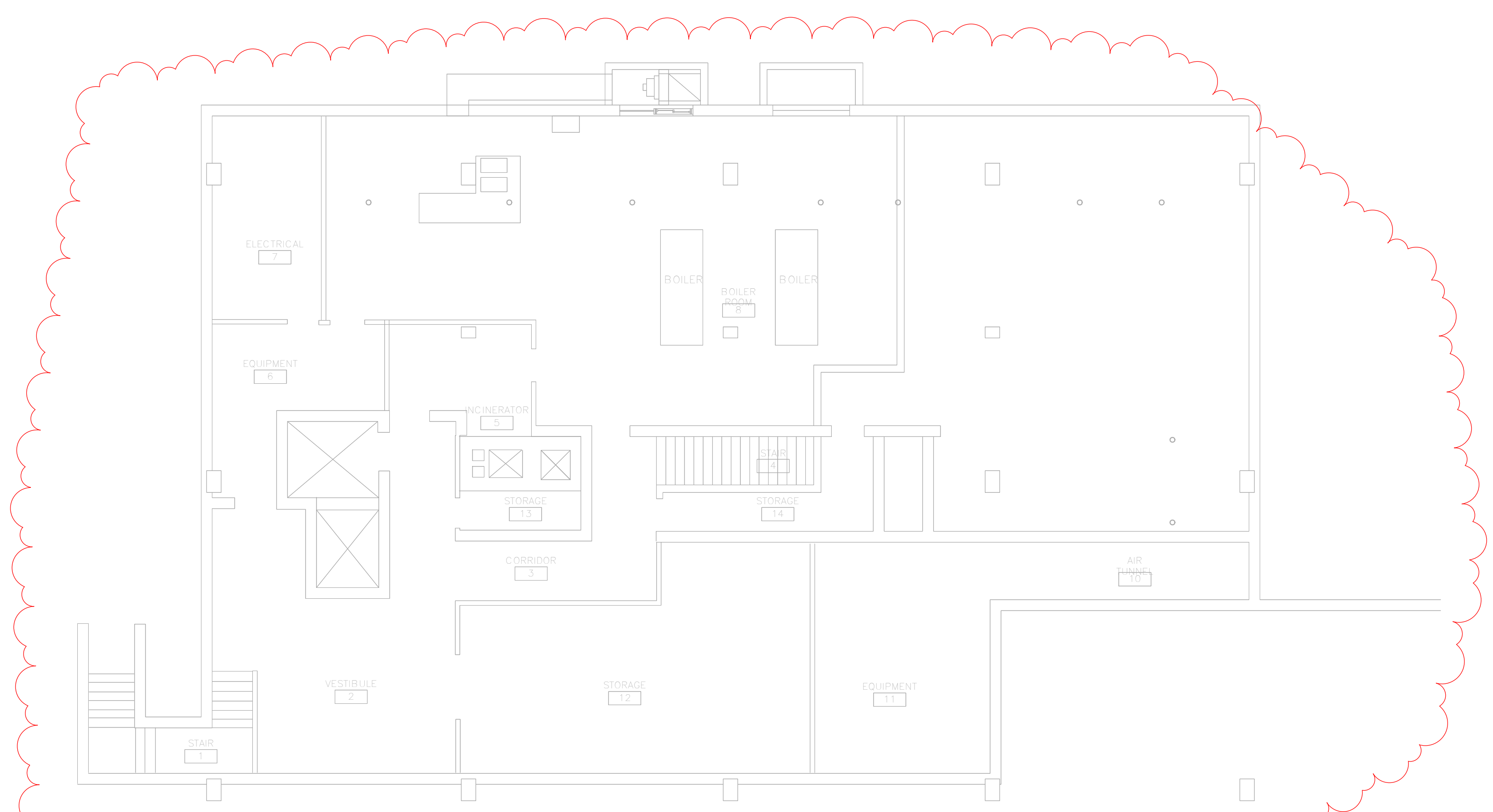
STOFFEL COURT



**1 1ST FLOOR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**2 2ND - 9TH FLOOR SMOKE ALARM UNIT PLAN**  
1/8" = 1'-0"



**3 BASEMENT PLAN**  
1/8" = 1'-0"



**4 PIC WIREMOLD**  
NTS

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

(SD<sub>i</sub>) SMOKE ALARM - IONIZATION  
(SD<sub>p</sub>) SMOKE ALARM - PHOTOELECTRIC  
(SD<sub>co</sub>) SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1046858 SM110 OR EQUAL.  
 PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
 COMBINATION PHOTO/CO TYPE: BRK #1046802 SMC0210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6" FROM A COOKING APPLIANCE.

SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 5' FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.

ANY FLOOR LEVEL WITH A MECHANICAL ROOM CONTAINING FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT.

ANY APARTMENT UNIT LOCATED ON THE FLOORS ABOVE AND/OR BELOW A MECHANICAL ROOM WITH FUEL-FIRED EQUIPMENT IS REQUIRED TO HAVE A COMBINATION SMOKE/CO IN EVERY APARTMENT UNIT AS SHOWN.

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**

**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

SMOKE ALARM UNIT PLANS

Project Title:  
HSR Project Number:  
24034

Project Date:  
AUGUST 2024

Drawn By:  
JMH

Key Plan:

Revisions:

No. Description Date

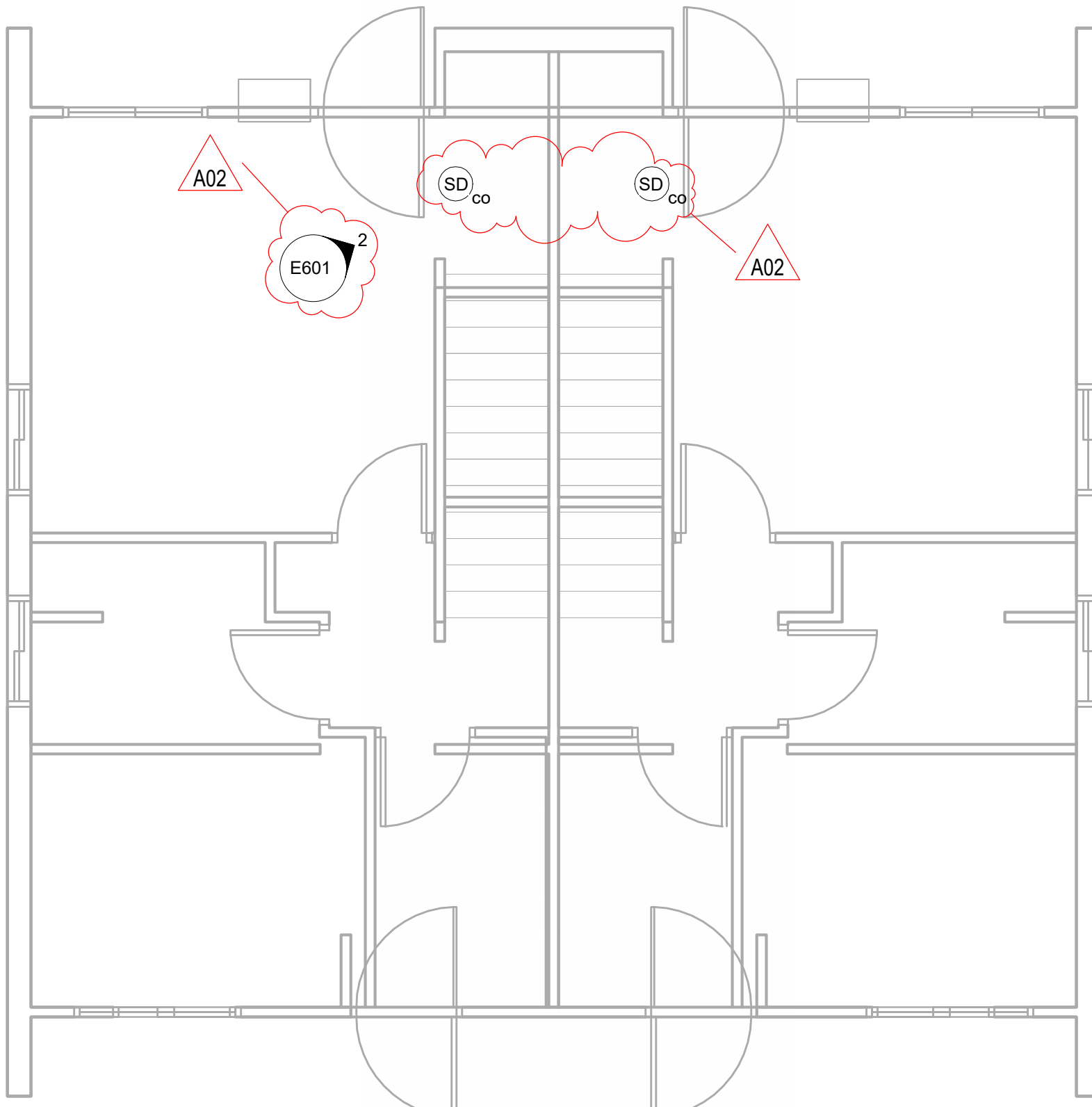
A02 ADDENDUM #2 08/22/2024

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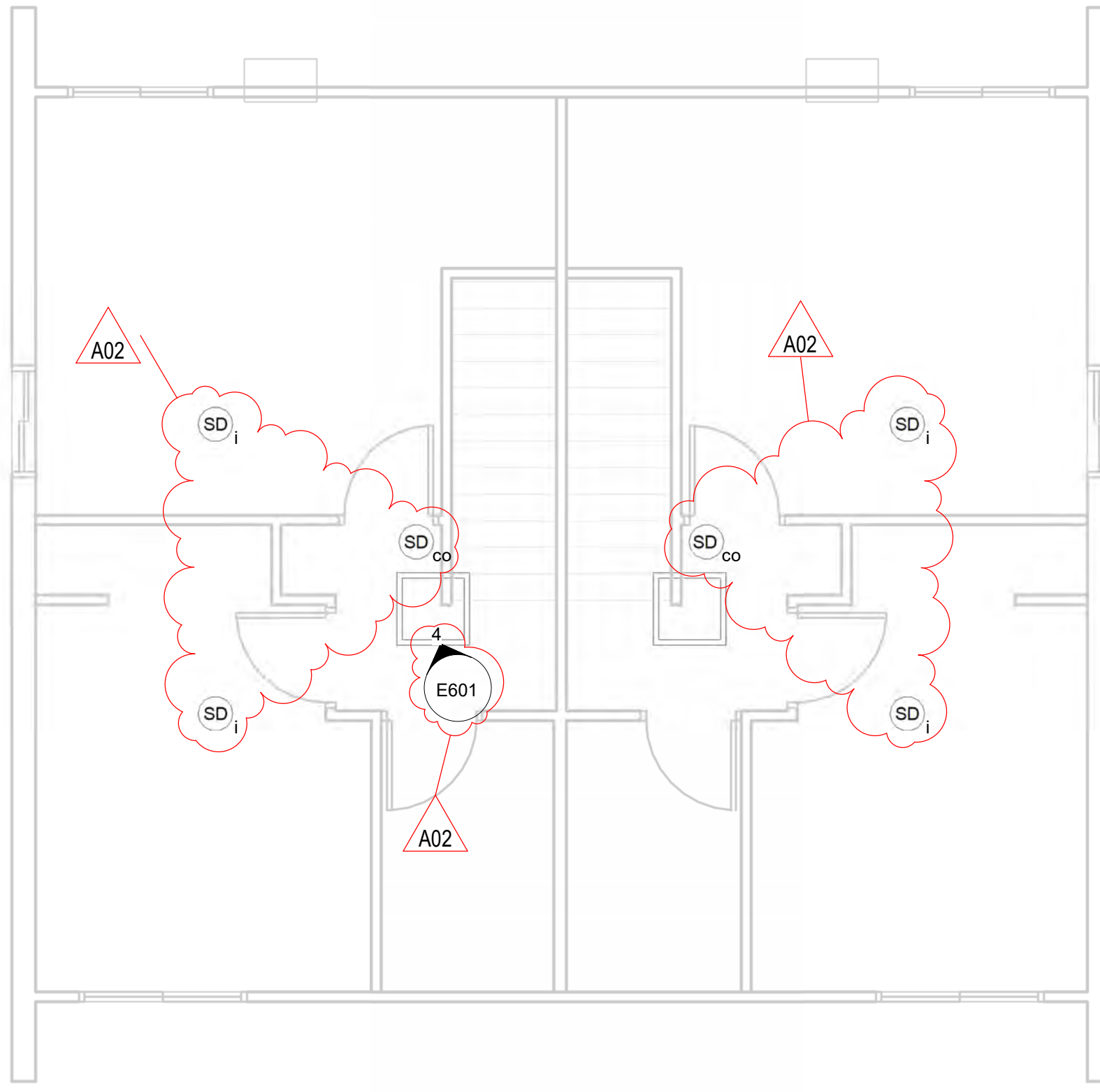
VARIES

Last Update:

8/22/2024 2:50:11 PM



**1 1ST FLOOR SMOKE ALARM PLAN**  
1/4" = 1'-0"



**3 2ND FLOOR SMOKE ALARM PLAN**  
1/4" = 1'-0"

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

- (SD<sub>i</sub>) SMOKE ALARM - IONIZATION
- (SD<sub>p</sub>) SMOKE ALARM - PHOTOELECTRIC
- (SD<sub>co</sub>) SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1048658 SM110 OR EQUAL.  
PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
COMBINATION PHOTO/CO TYPE: BRK #1048802 SMC0210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

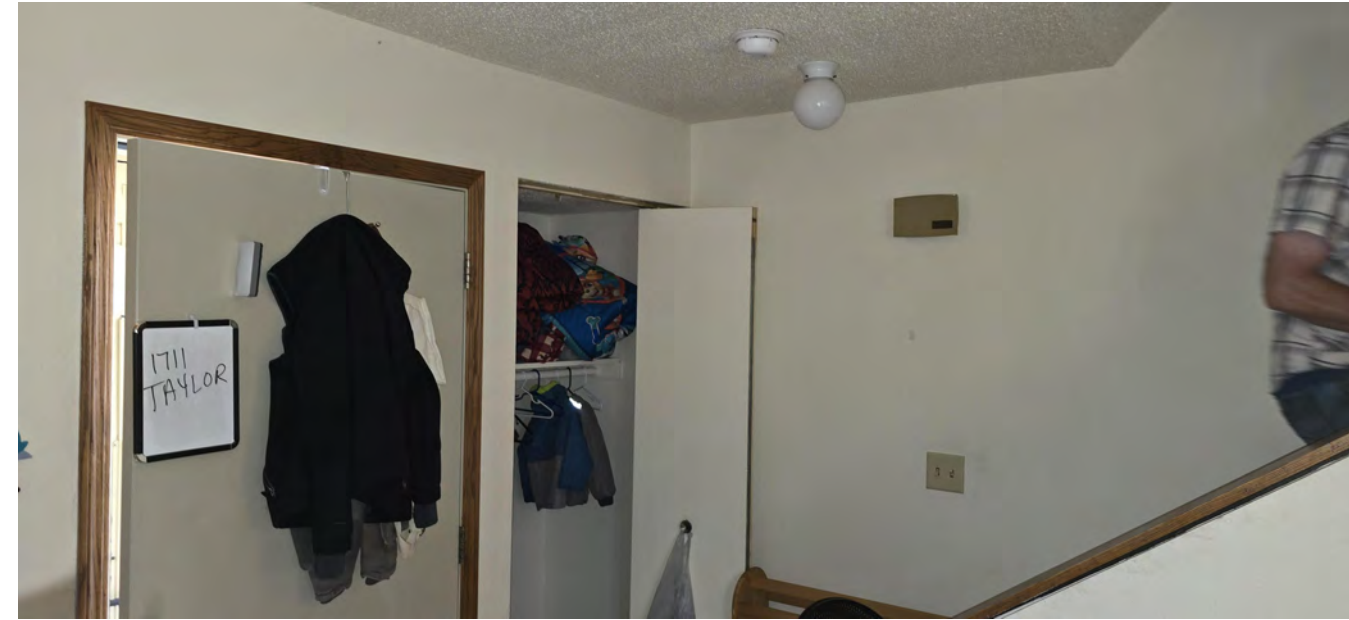
SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6" FROM A COOKING APPLIANCE.

SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 3' FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.



**2 1ST FLOOR SITE PHOTO**  
NTS



**4 2ND FLOOR SITE PHOTO**  
NTS

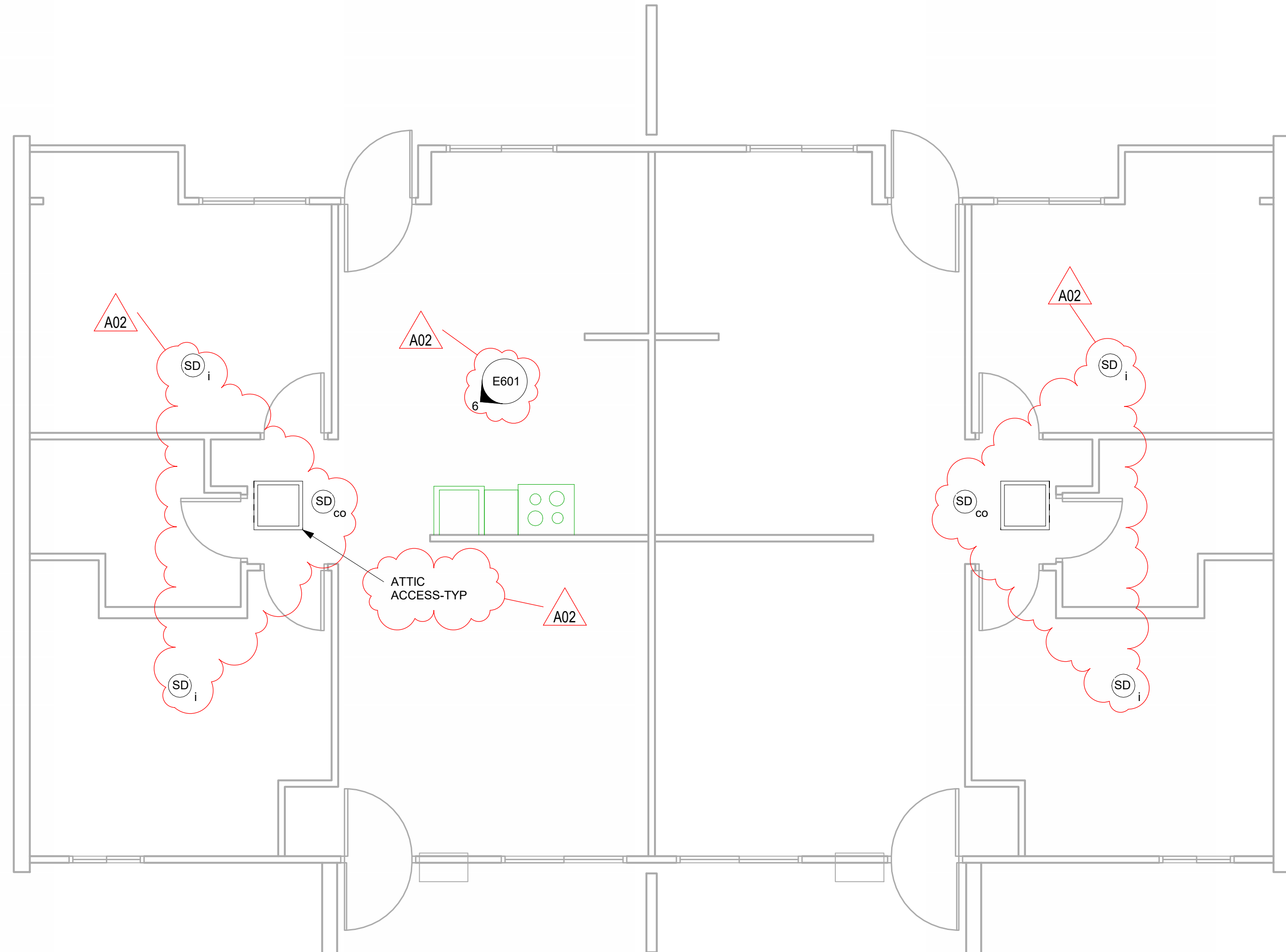
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**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**



**12 HDCP 1ST FLOOR SMOKE ALARM PLAN**  
1/4" = 1'-0"



**6 HDCP SMOKE-RANGE SITE PHOTO**  
NTS

**GROVER ESTATES**

**E601**



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

Sheet Title: SMOKE ALARM UNIT PLANS

Project Title: HSR Project Number: 24034

Project Date: AUGUST 2024

Drawn By: JMH

Key Plan:

Revisions:

No. Description Date

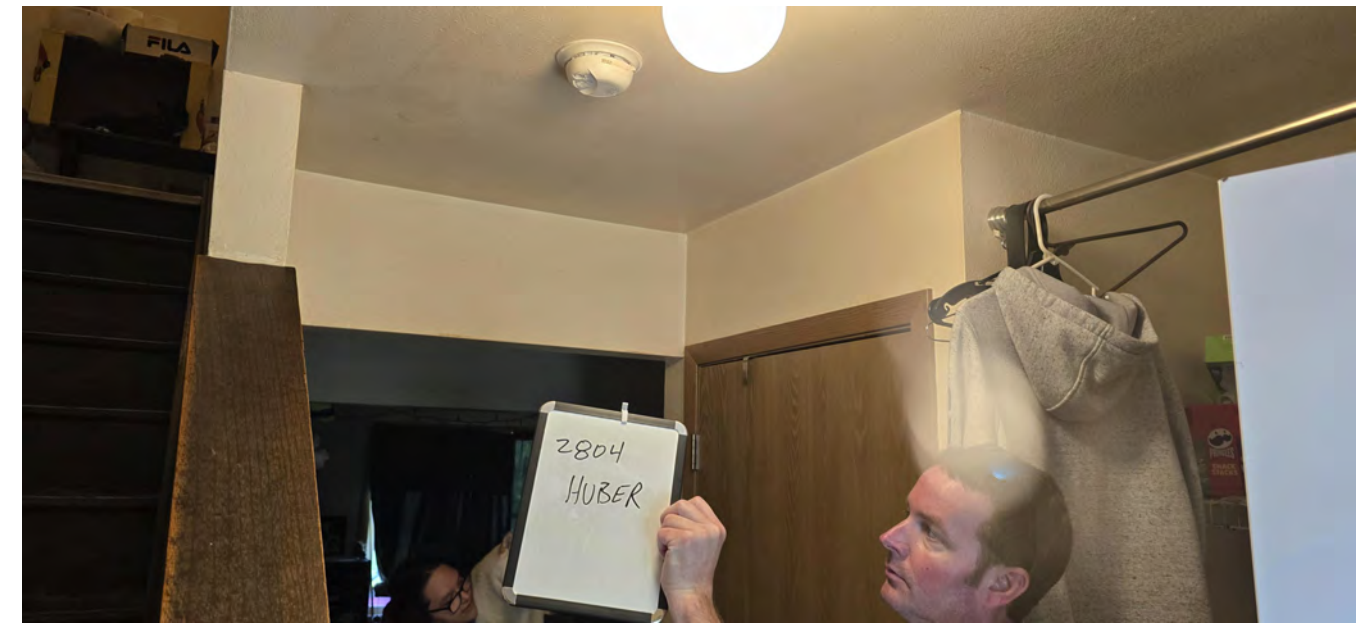
A02 ADDENDUM #2 08/22/2024

Graphic Scale: VARIES

Last Update: 8/22/2024 2:51:38 PM

E701

HUBER HOMES



**8 1ST FLOOR SMOKE-TYP**  
NTS



**9 2ND FLOOR SMOKE-TYP**  
NTS

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

- (SD<sub>i</sub>) SMOKE ALARM - IONIZATION
- (SD<sub>p</sub>) SMOKE ALARM - PHOTOELECTRIC
- (SD<sub>co</sub>) SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1046898 SMH10 OR EQUAL.  
PHOTOELECTRIC TYPE: BRK #1046711 SM210 OR EQUAL.  
COMBINATION PHOTO/CO TYPE: BRK #1046802 SMC0210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

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FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.

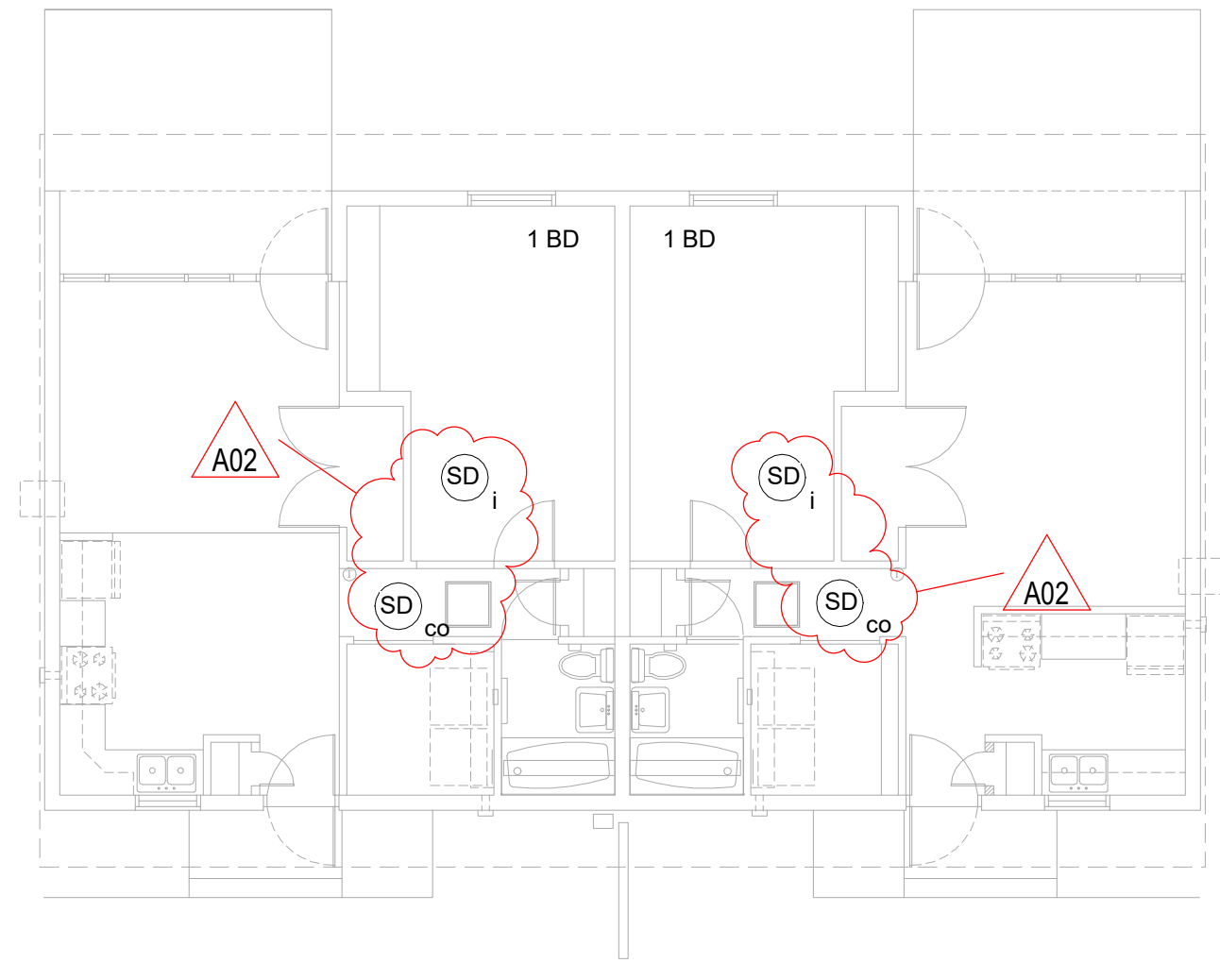
**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

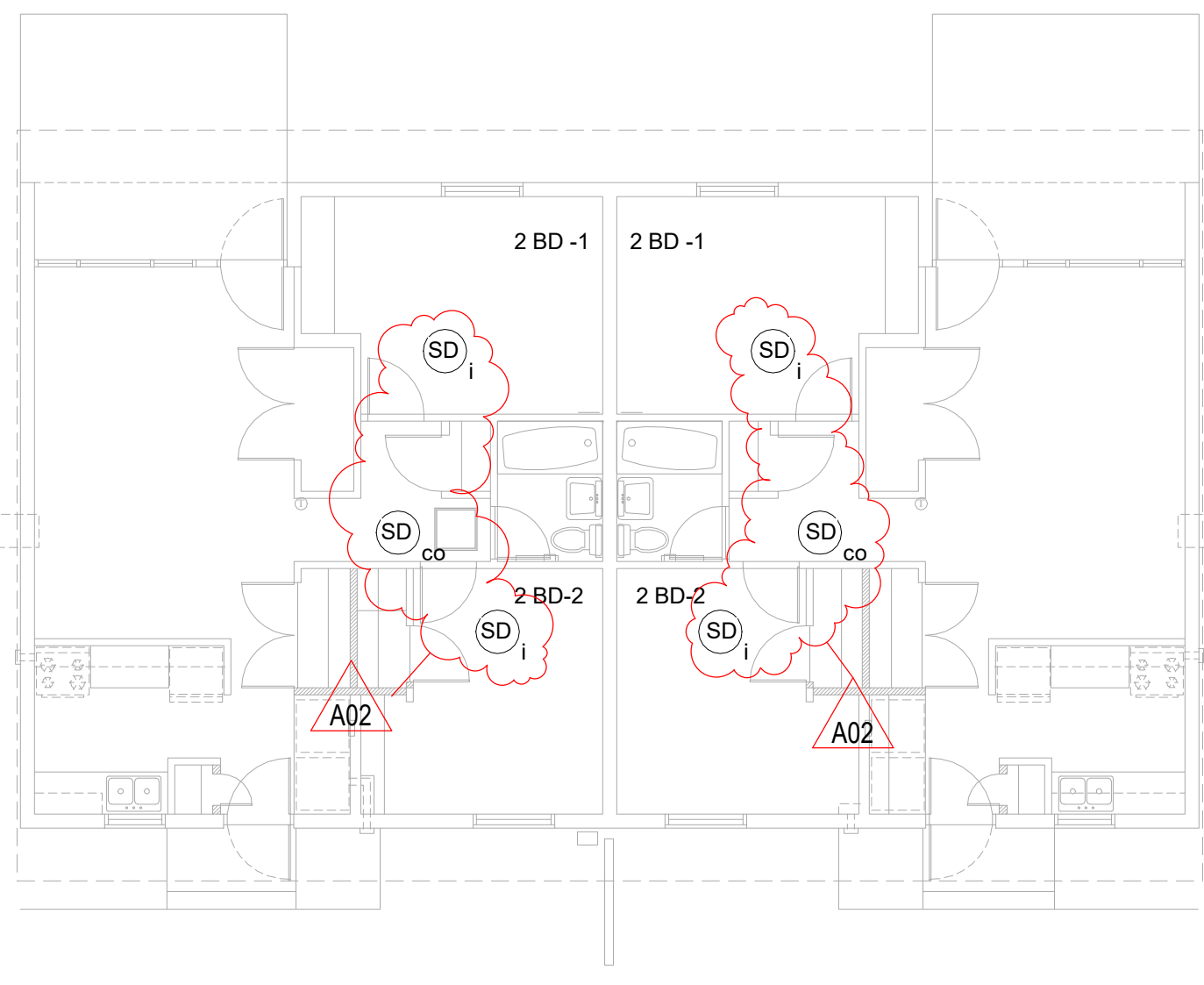
**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

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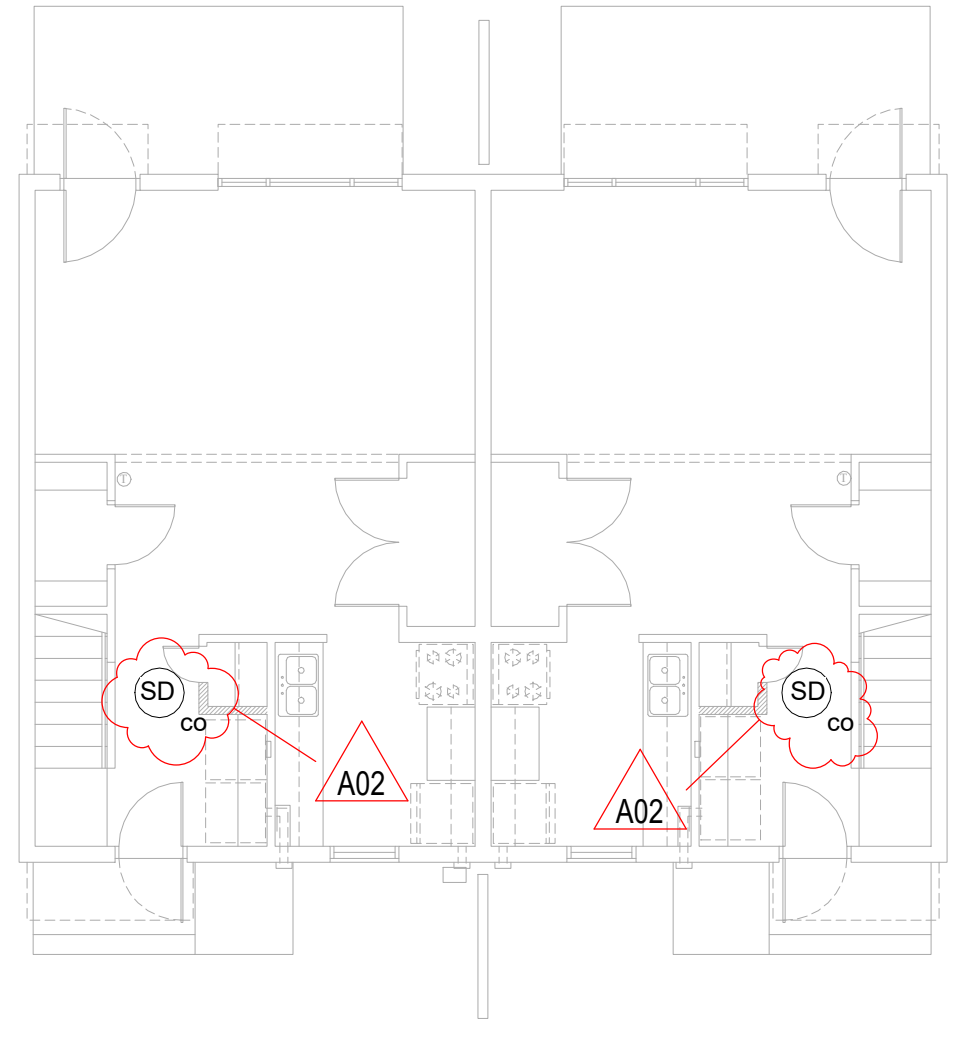
**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**



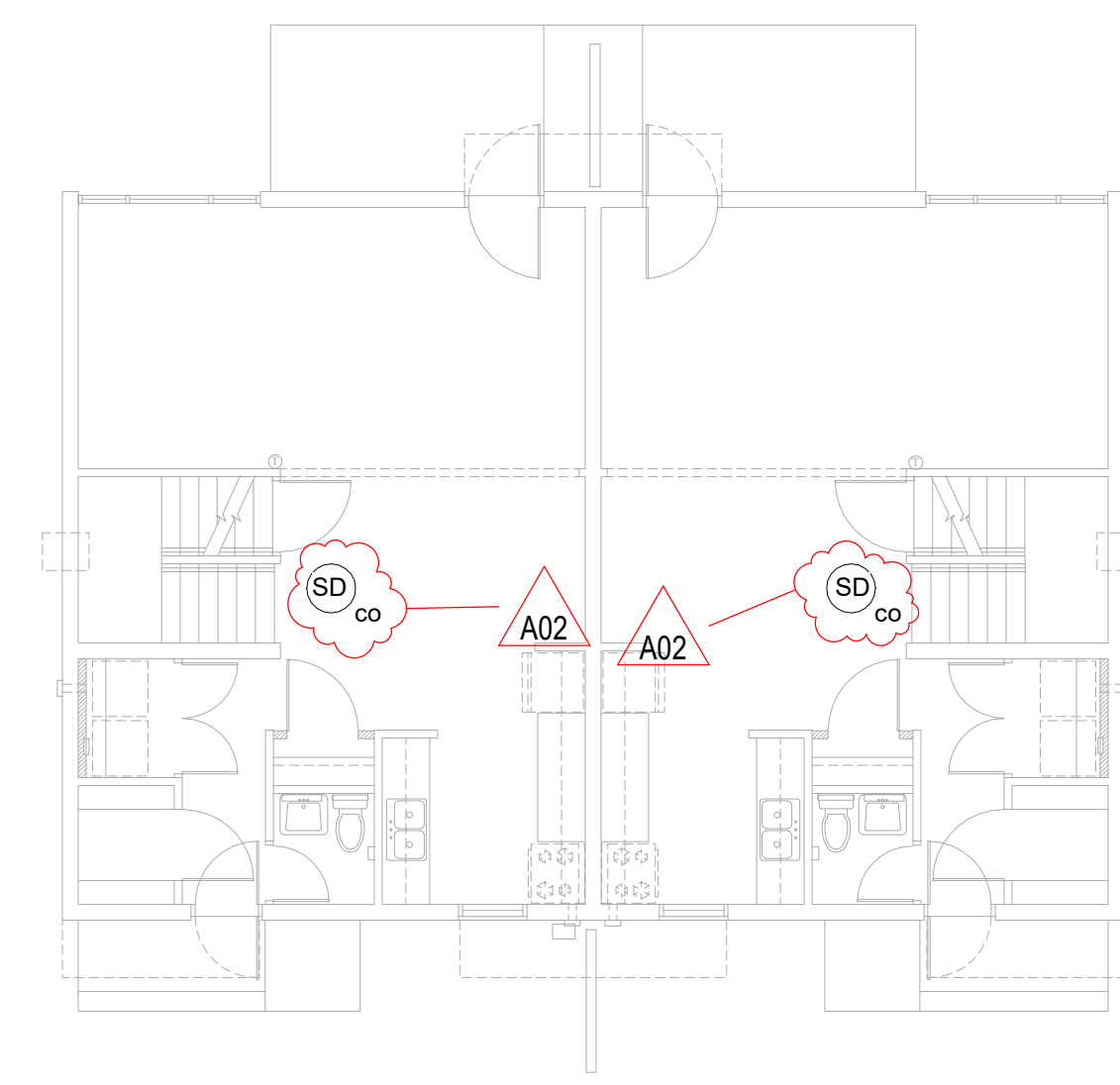
**1 1ST FLOOR 1 BR SMOKE ALARM PLAN**  
1/8" = 1'-0"



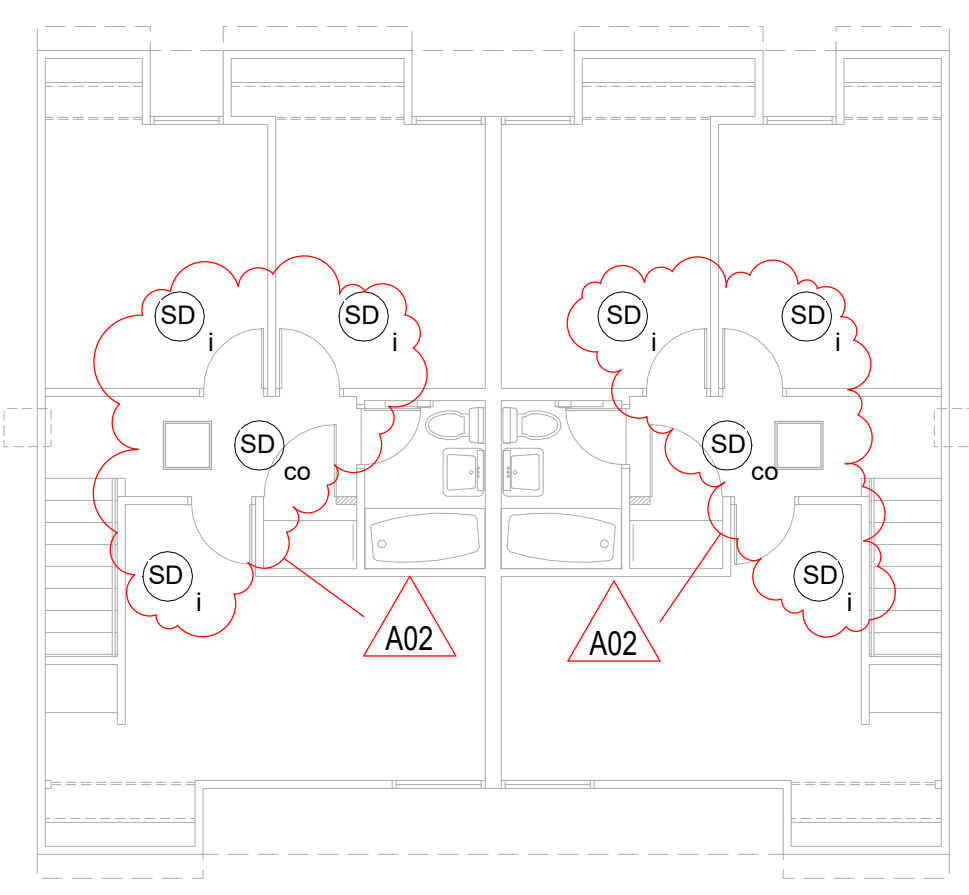
**2 1ST FLOOR 2 BR SMOKE ALARM PLAN**  
1/8" = 1'-0"



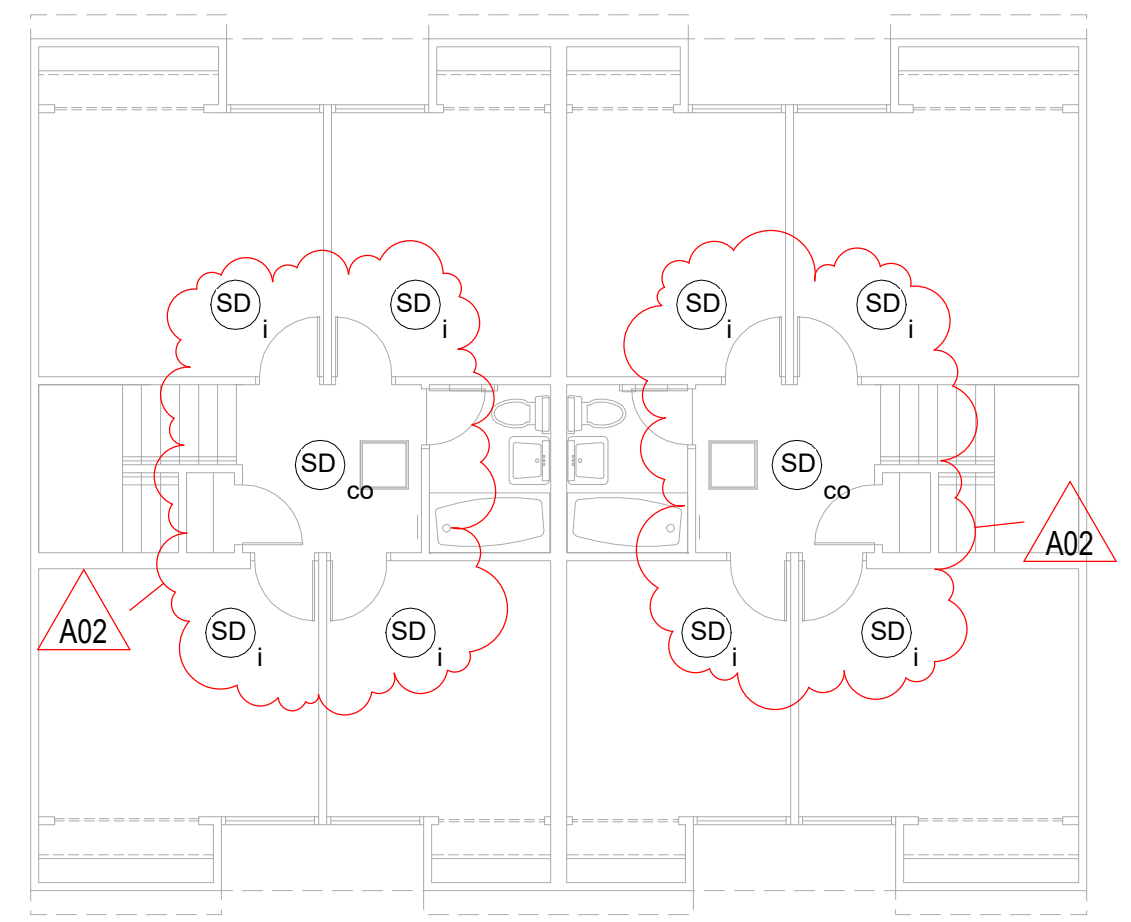
**3 1ST FLOOR 3 BR SMOKE ALARM PLAN**  
1/8" = 1'-0"



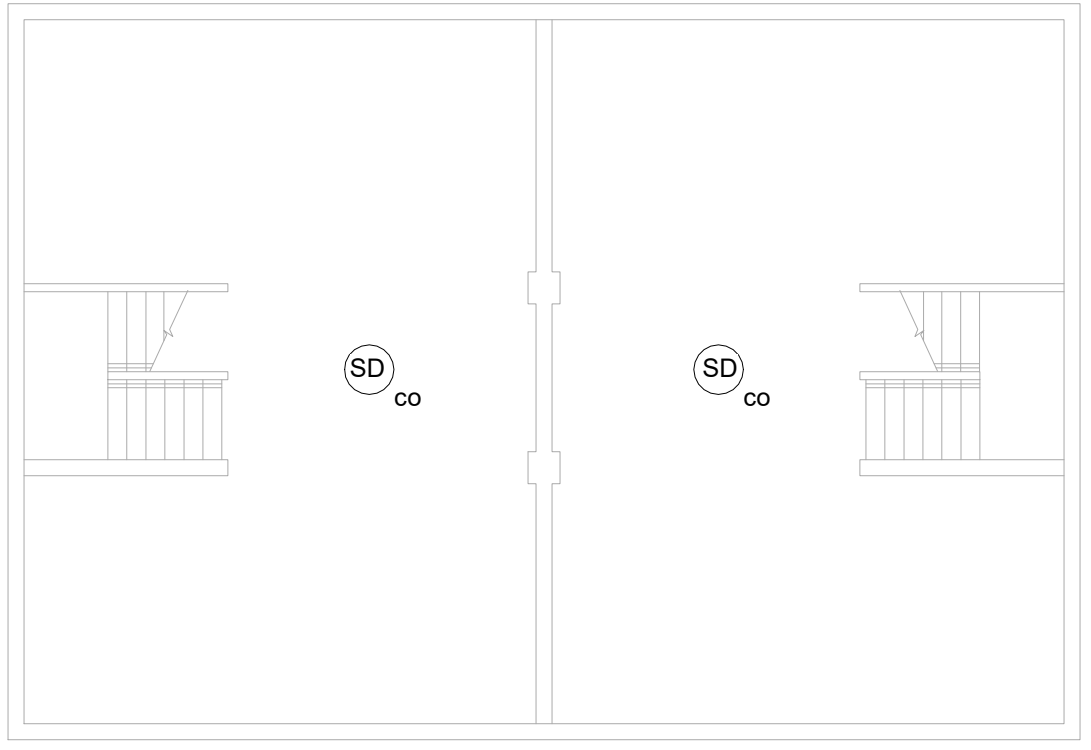
**4 1ST FLOOR 4 BR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**5 2ND FLOOR 3 BR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**6 2ND FLOOR 4 BR SMOKE ALARM PLAN**  
1/8" = 1'-0"



**7 BASEMENT**  
1/8" = 1'-0"



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

SMOKE ALARM UNIT PLANS

HSR Project Number: 24034

Project Date: AUGUST 2024

Drawn By: JMH

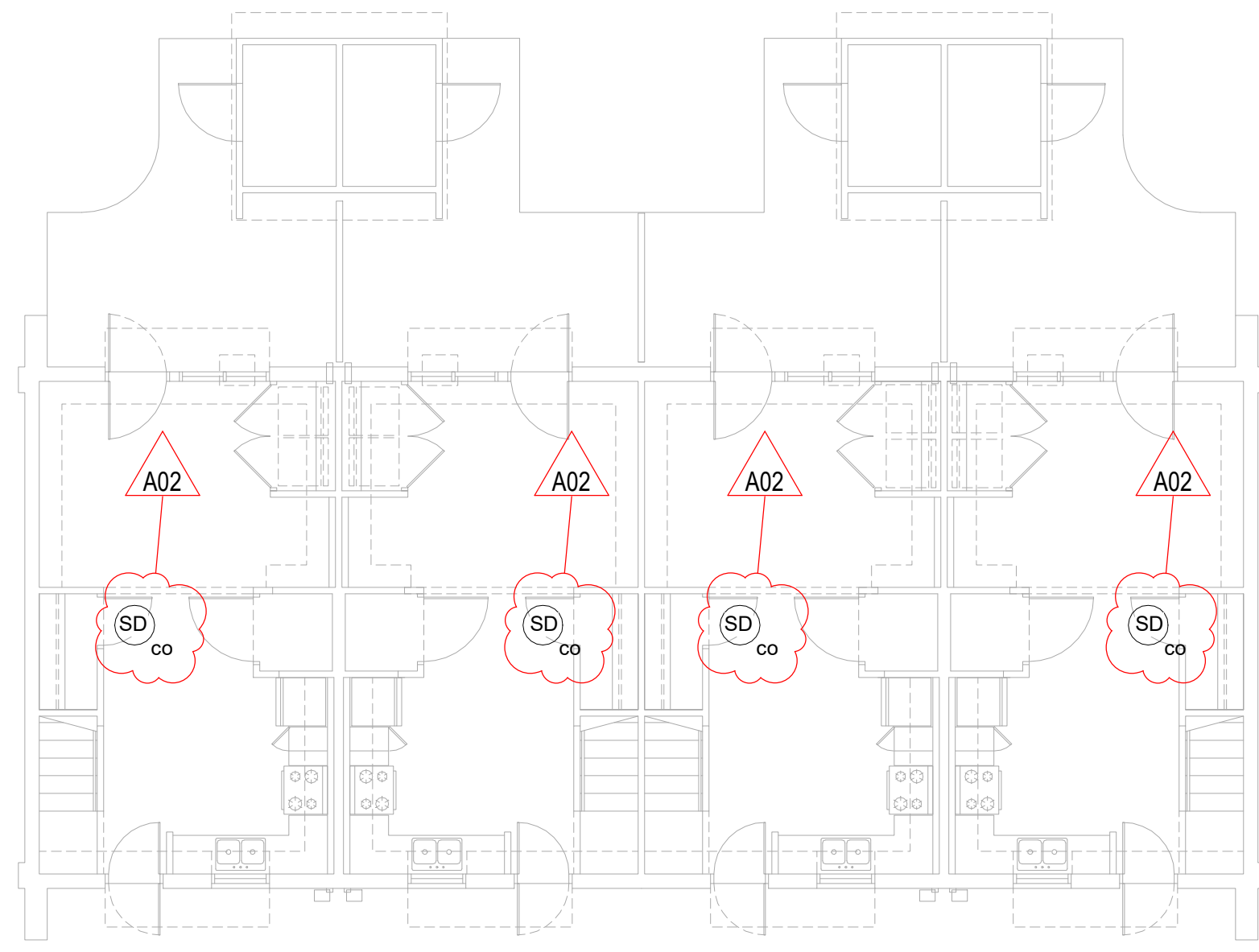
Key Plan:

No.	Description	Date
A02	ADDENDUM #2	08/22/2024

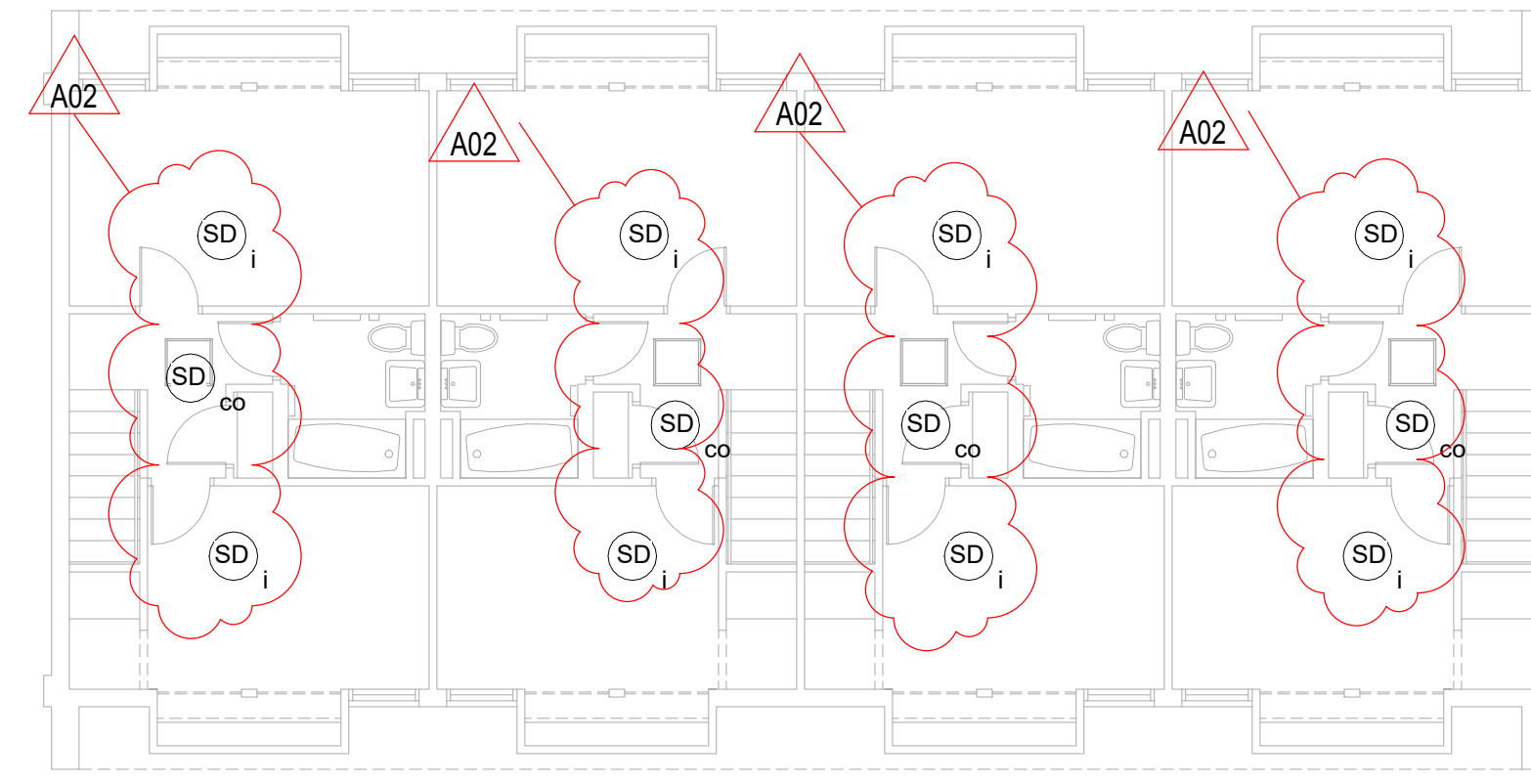
Graphic Scale: VARIES

Last Update: 8/22/2024 2:52:16 PM

E801



**1** 1ST FLOOR BLDG A SMOKE ALARM PLAN  
1/8" = 1'-0"



**2** 2ND FLOOR BLDG A SMOKE ALARM PLAN  
1/8" = 1'-0"

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

---

- (SD<sub>i</sub>) SMOKE ALARM - IONIZATION
- (SD<sub>p</sub>) SMOKE ALARM - PHOTOELECTRIC
- (SD<sub>co</sub>) SMOKE ALARM - COMBINATION

---

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1045858 SM110 OR EQUAL.  
PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
COMBINATION PHOTO/CO TYPE: BRK #1046802 SMC0210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

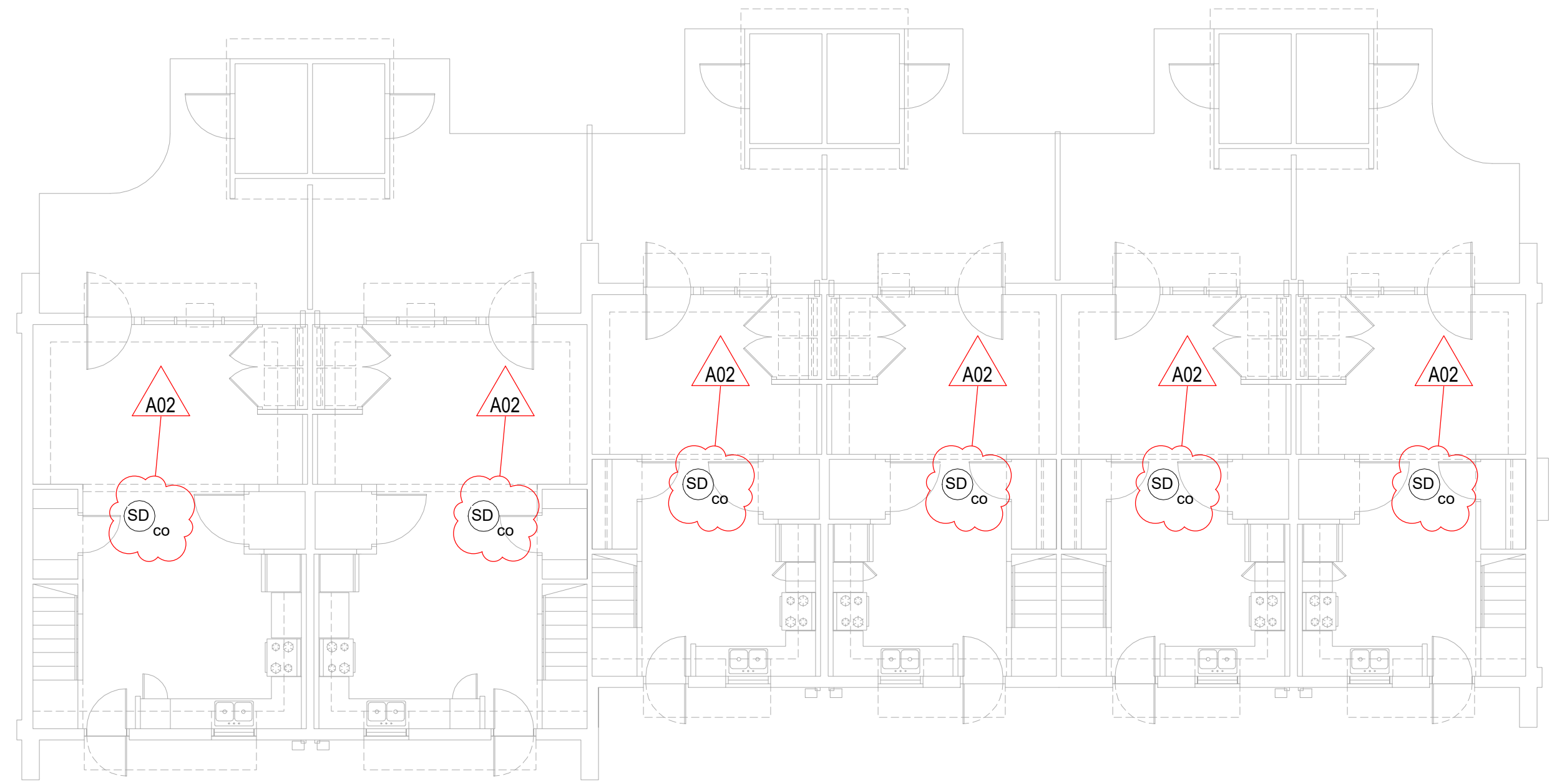
SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6" FROM A COOKING APPLIANCE.

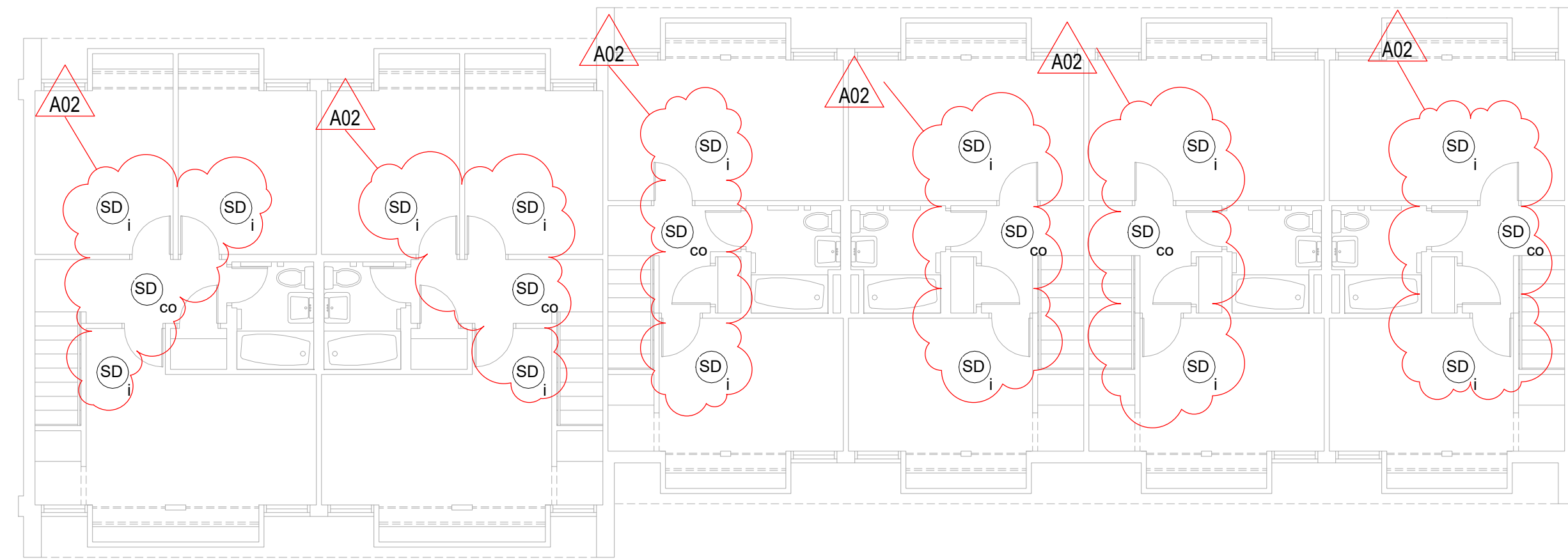
SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 3' FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.



**3** 1ST FLOOR BLDG B SMOKE ALARM PLAN  
1/8" = 1'-0"



**4** 2ND FLOOR BLDG B SMOKE ALARM PLAN  
1/8" = 1'-0"

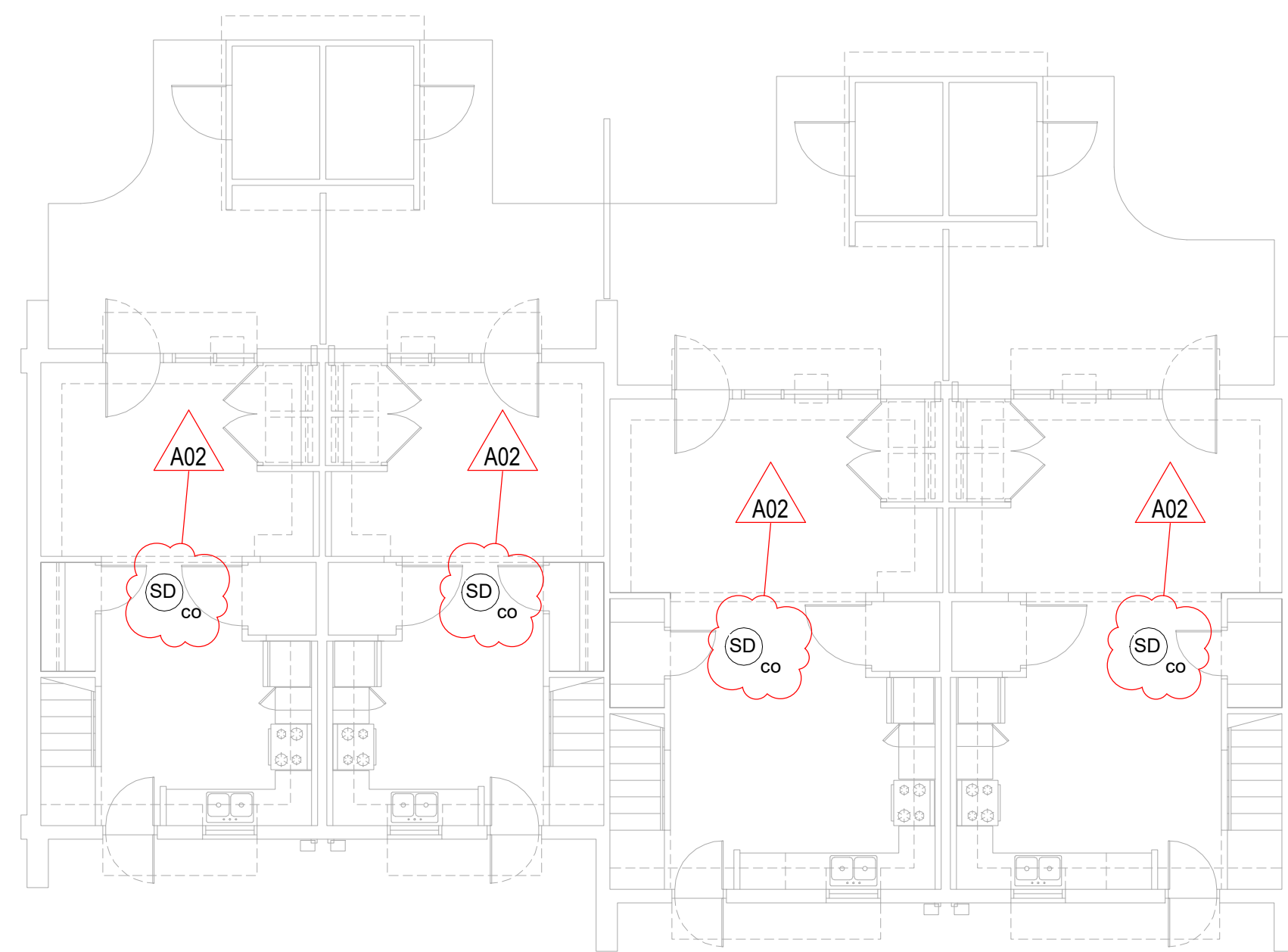
**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

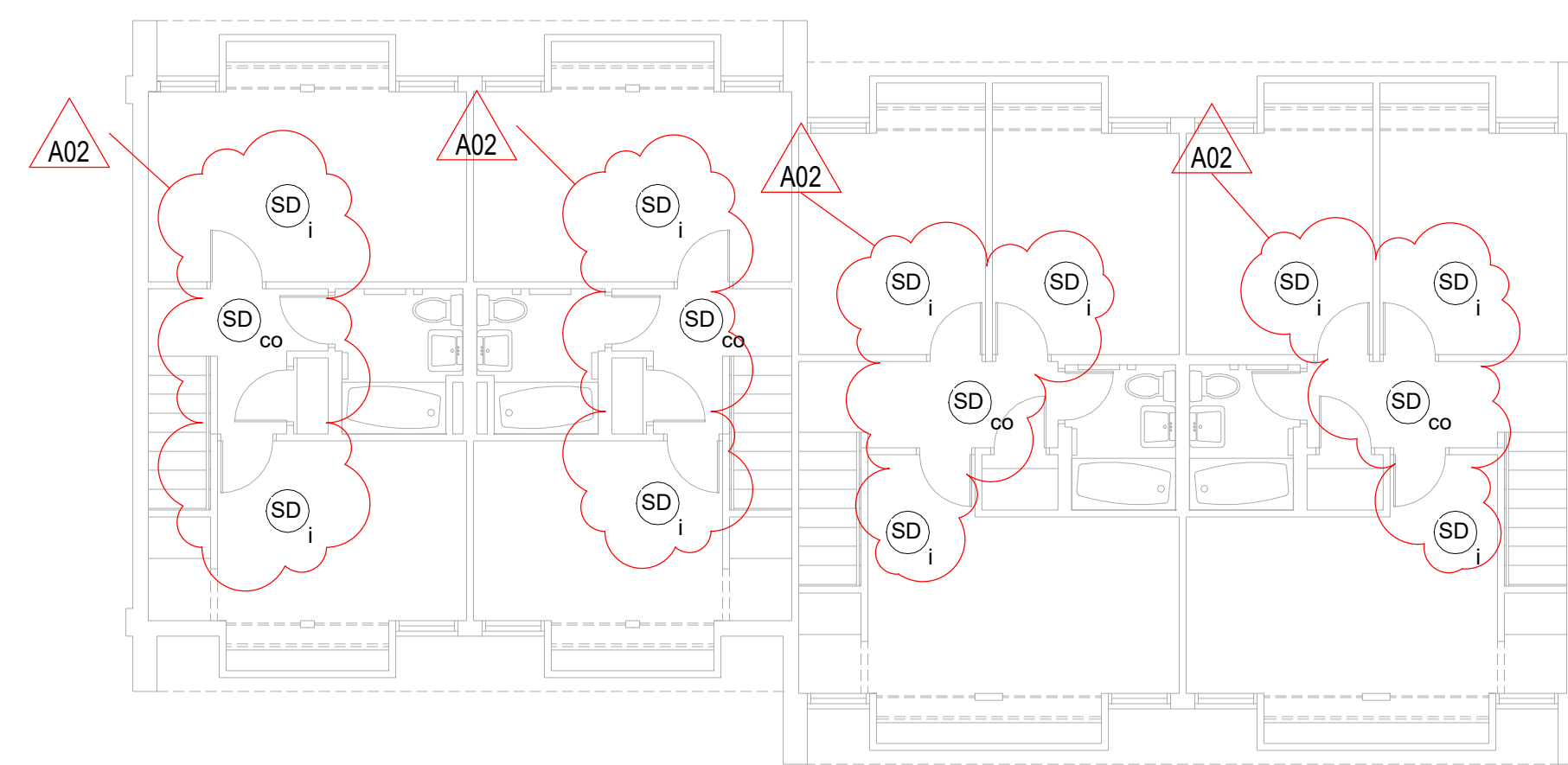
**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**



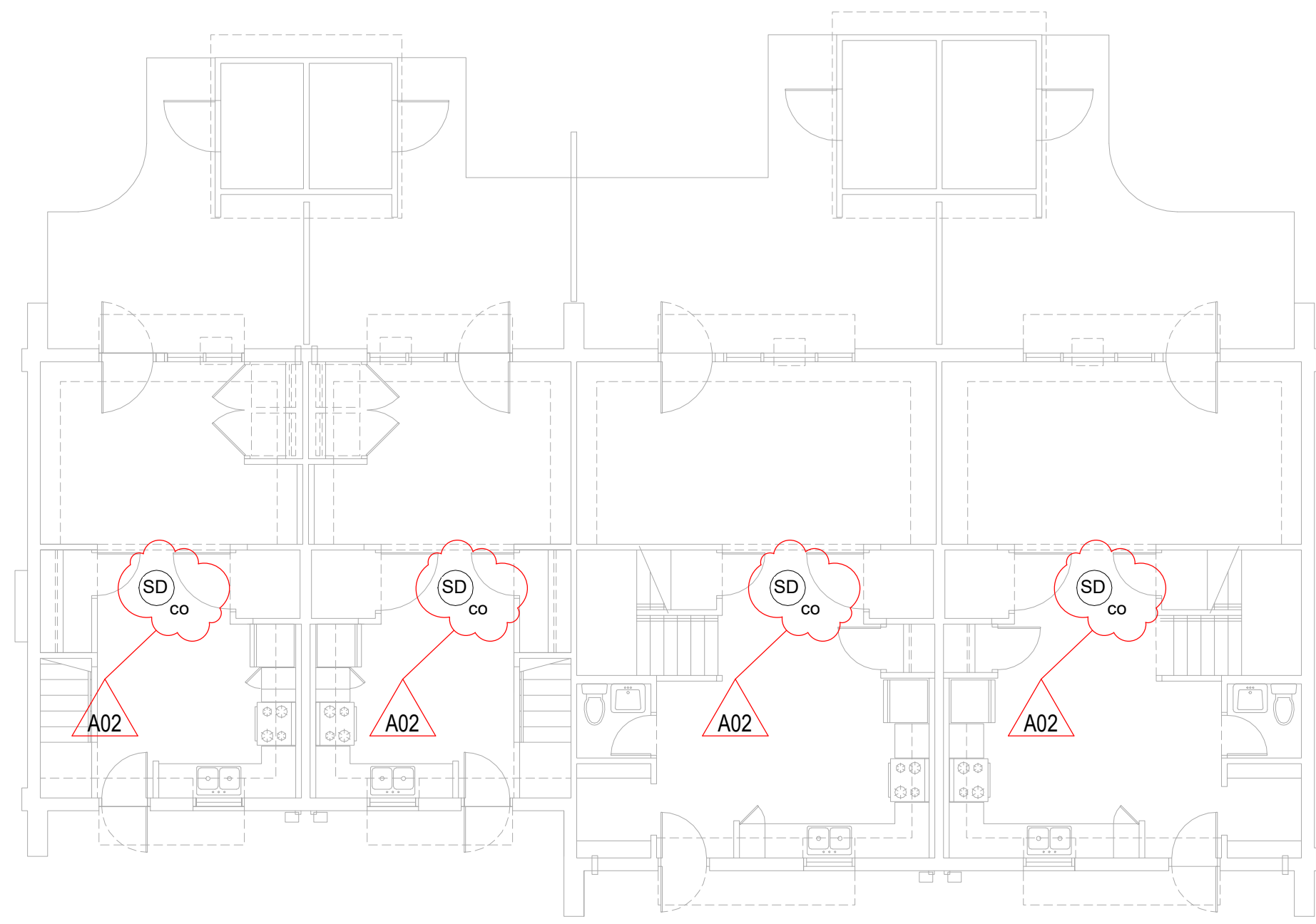
**5** 1ST FLOOR BLDG C SMOKE ALARM PLAN  
1/8" = 1'-0"



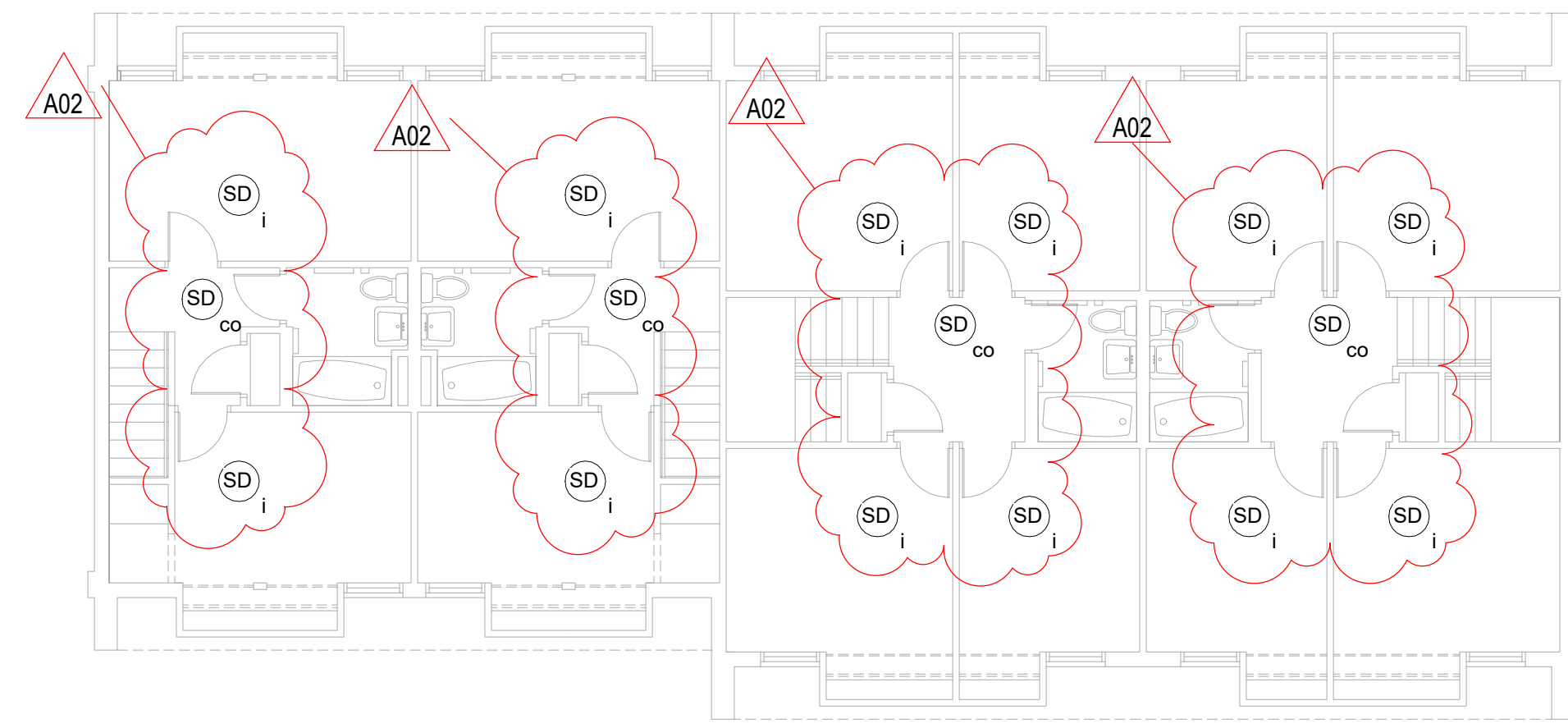
**6** 2ND FLOOR BLDG C SMOKE ALARM PLAN  
1/8" = 1'-0"

MULLEN HOMES

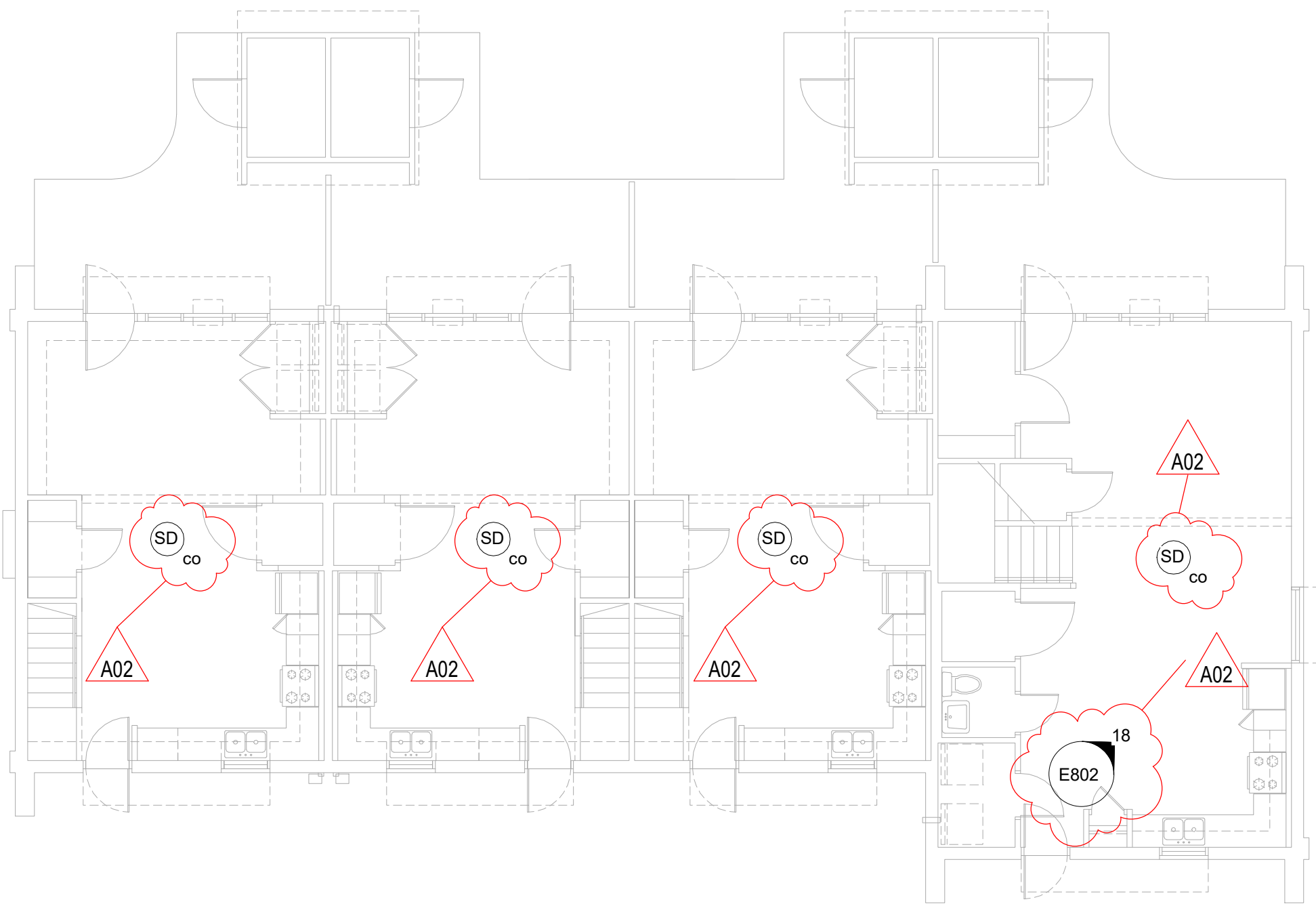




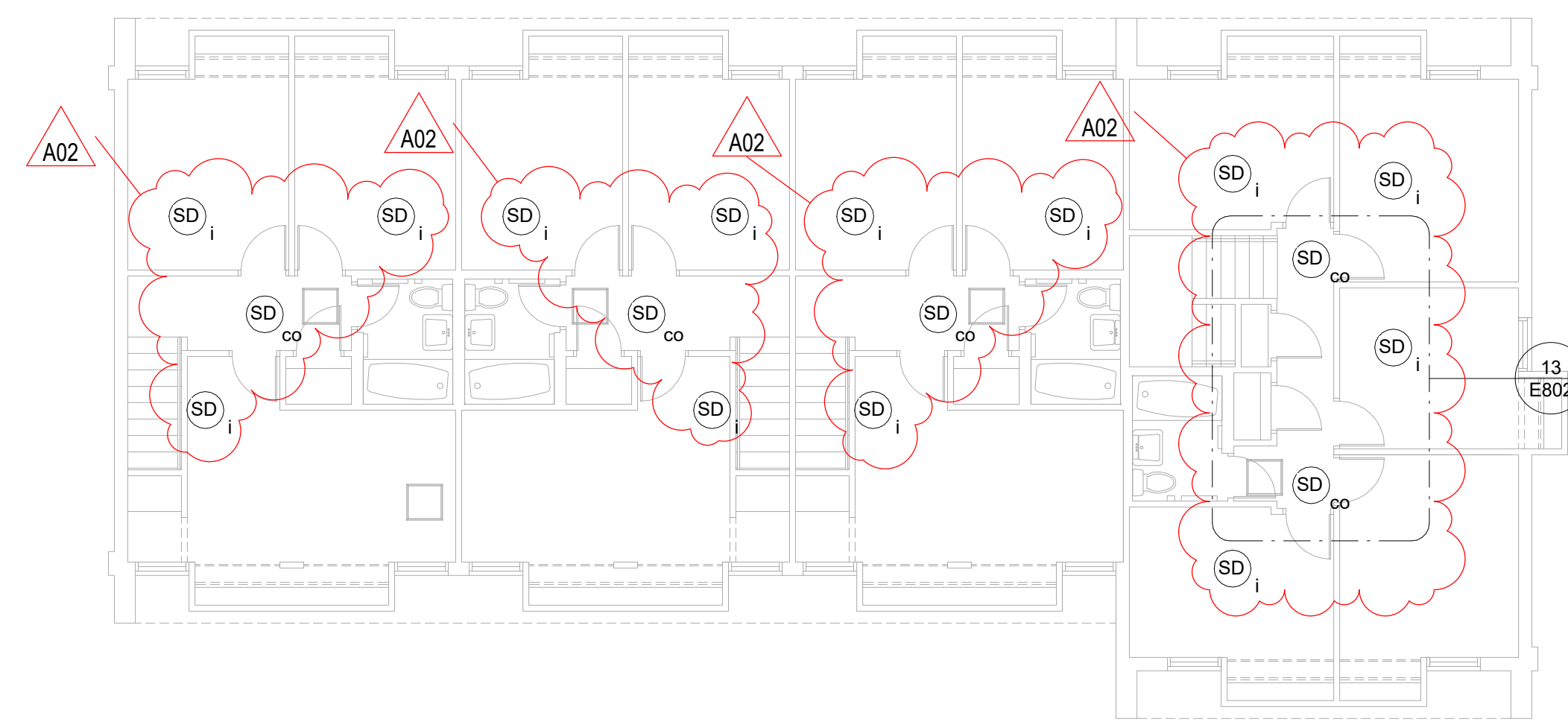
**7** 1ST FLOOR BLDG D SMOKE ALARM PLAN  
1/8" = 1'-0"



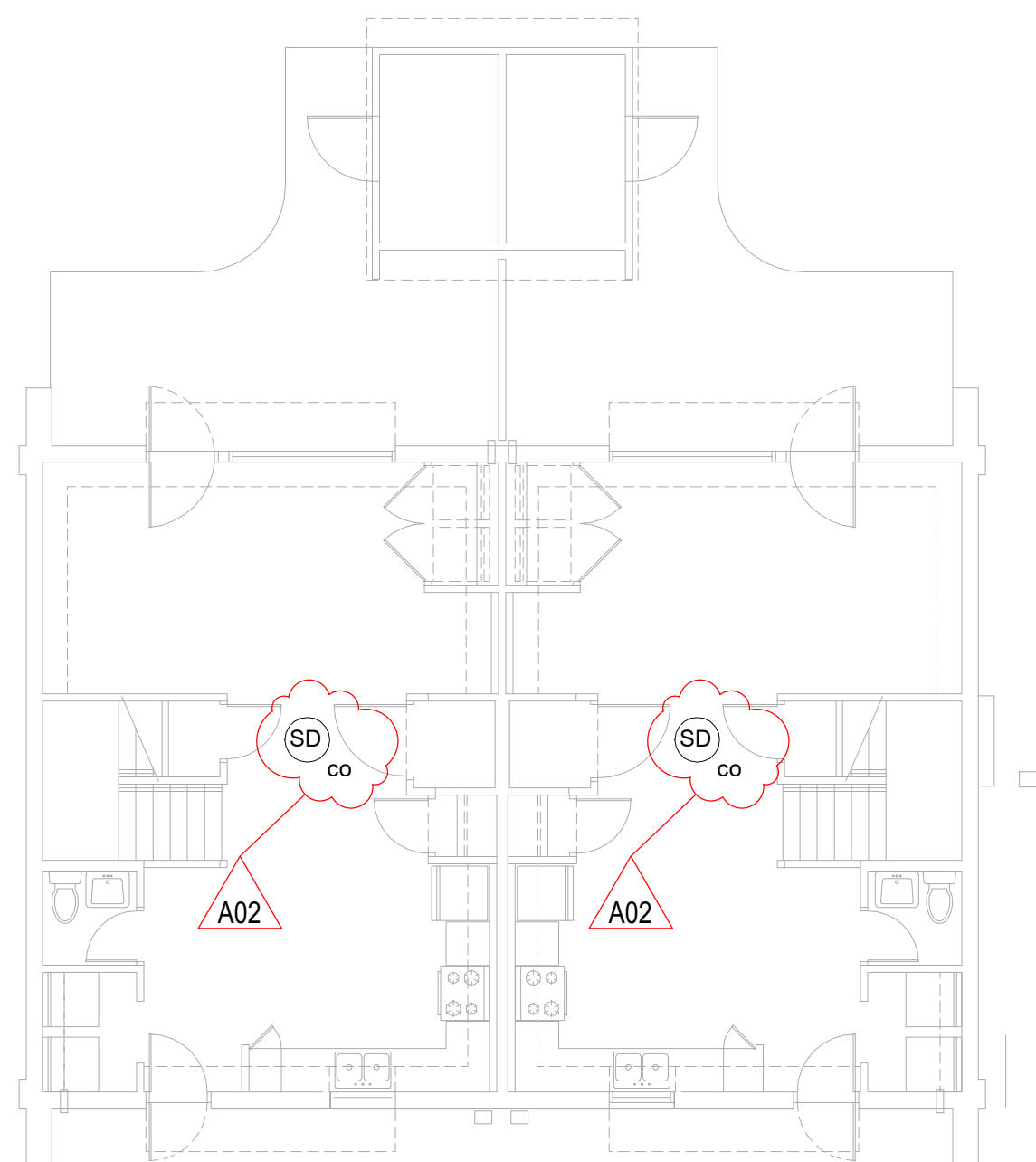
**8** 2ND FLOOR BLDG D SMOKE ALARM PLAN  
1/8" = 1'-0"



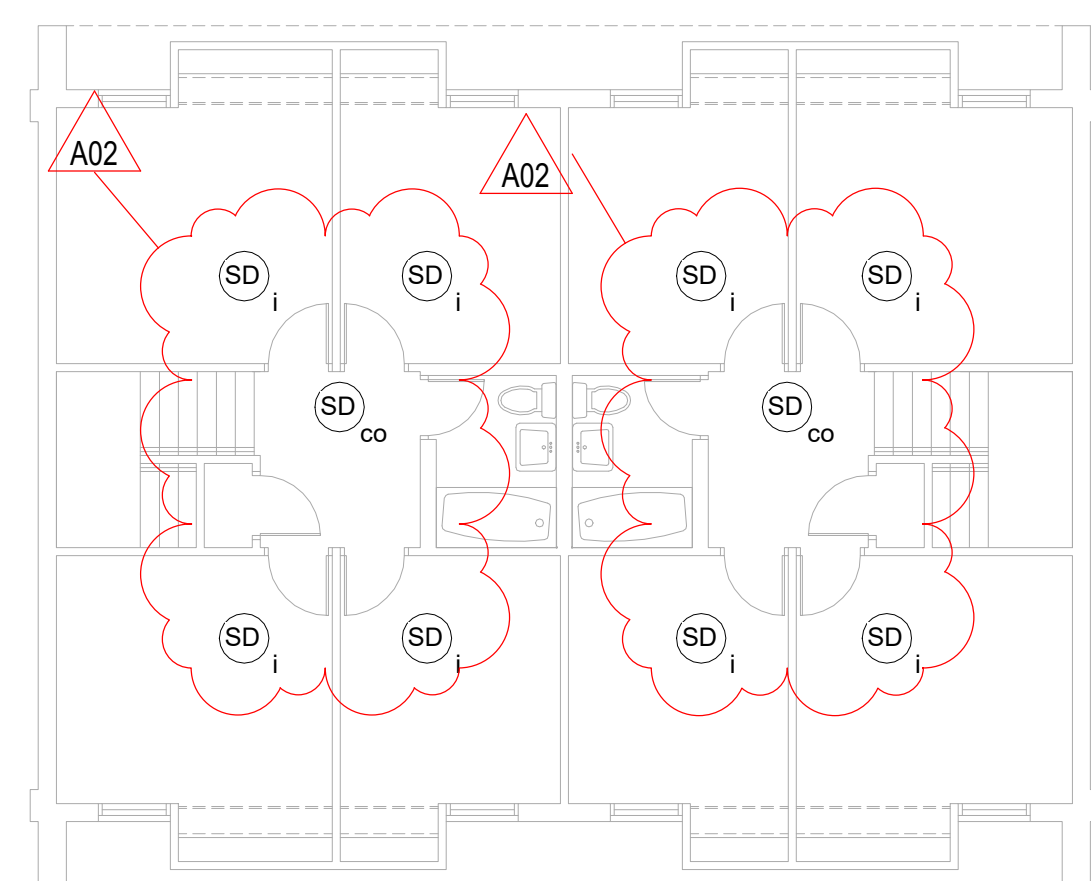
**9** 1ST FLOOR BLDG F SMOKE ALARM PLAN  
1/8" = 1'-0"



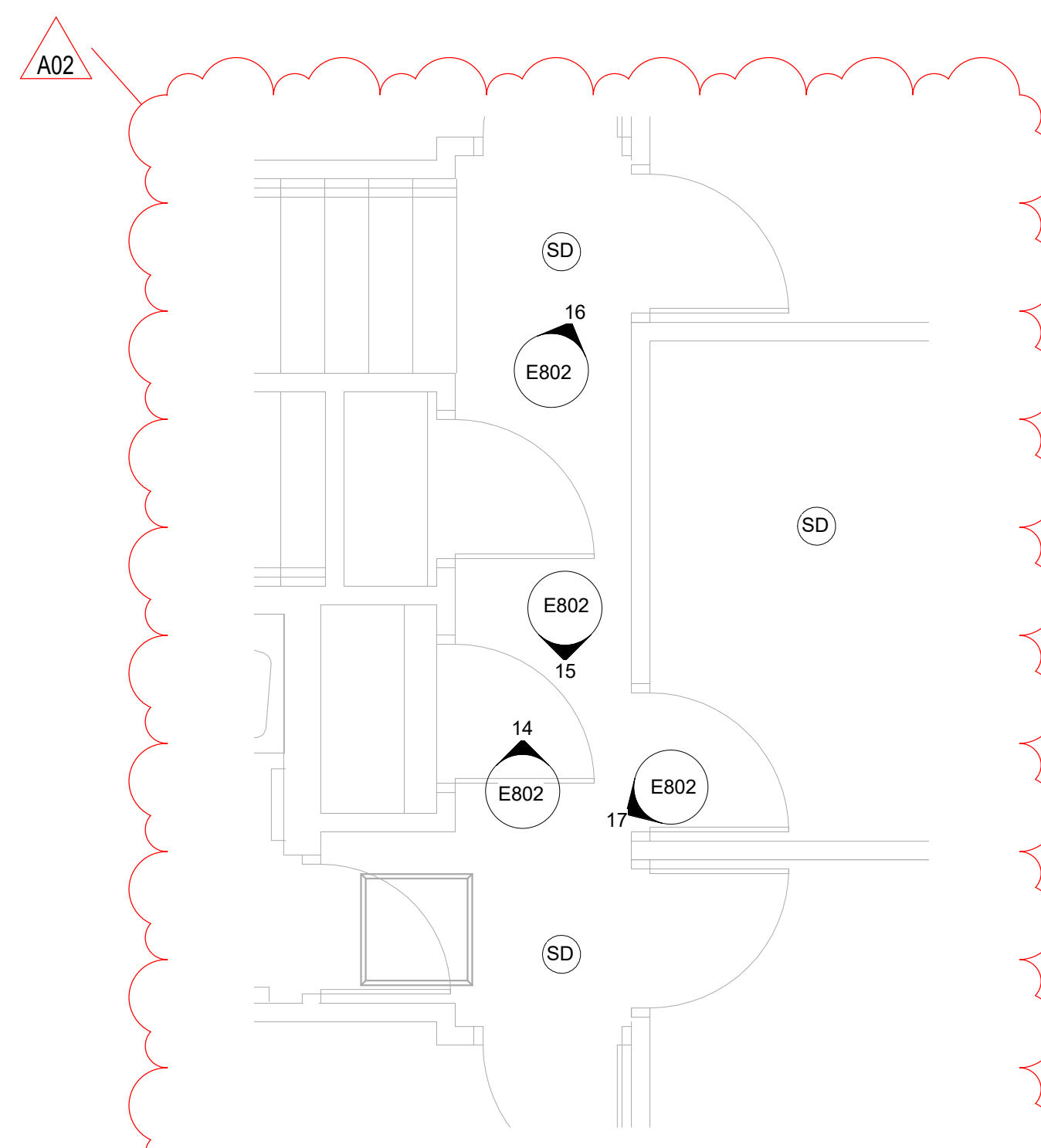
**10** 2ND FLOOR BLDG F SMOKE ALARM PLAN  
1/8" = 1'-0"



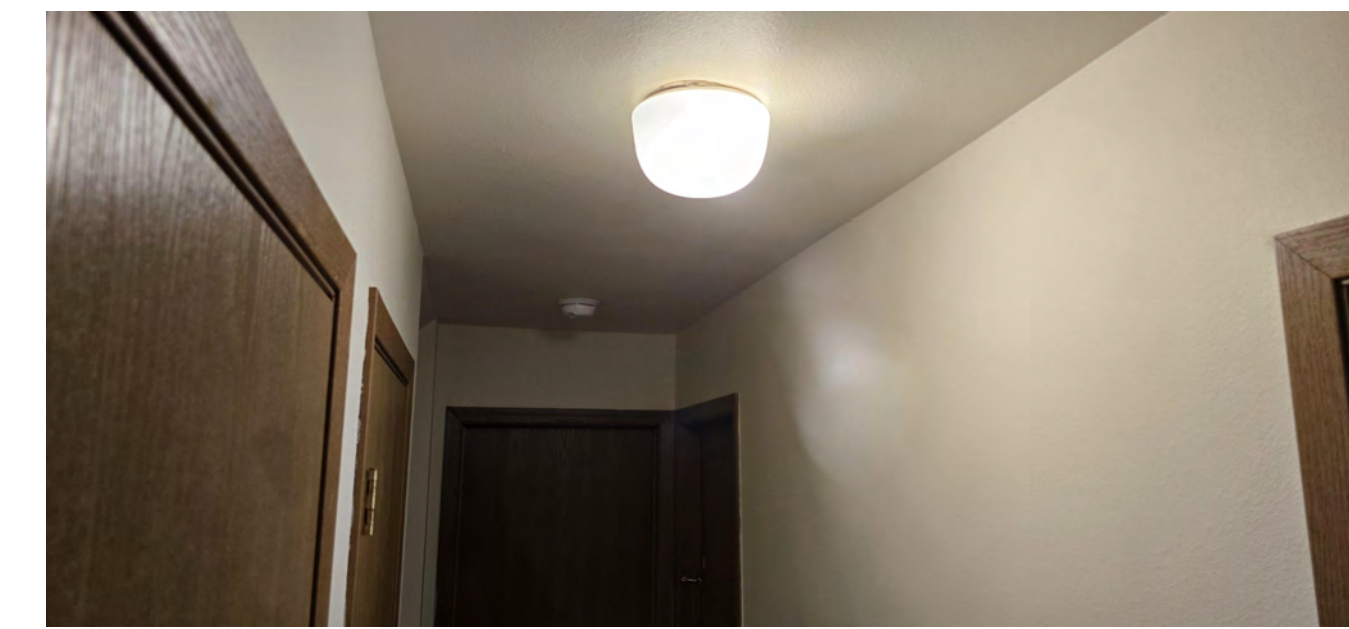
**11** 1ST FL "G" SMOKE ALARMS  
1/8" = 1'-0"



**12** 2ND FL "G" SMOKE ALARMS  
1/8" = 1'-0"



**13** PHOTO CALLOUTS  
3/8" = 1'-0"



**14** BLDG F-2ND HALL  
NTS



**15** BLDG F-2ND HALL 2ND SMOKE  
NTS



**16** BLDG F-2ND BR1  
NTS



**17** BLDG F-BATH SPACING  
NTS



**18** BLDG F-KIT-LIV SM  
NTS



No.	Description	Date
A02	ADDENDUM #2	08/22/2024



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 SMOKE ALARMS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54601

SMOKE ALARM UNIT PLANS

Project Title:

HSR Project Number: 24034

Project Date: AUGUST 2024

Drawn By: JMH

Key Plan:

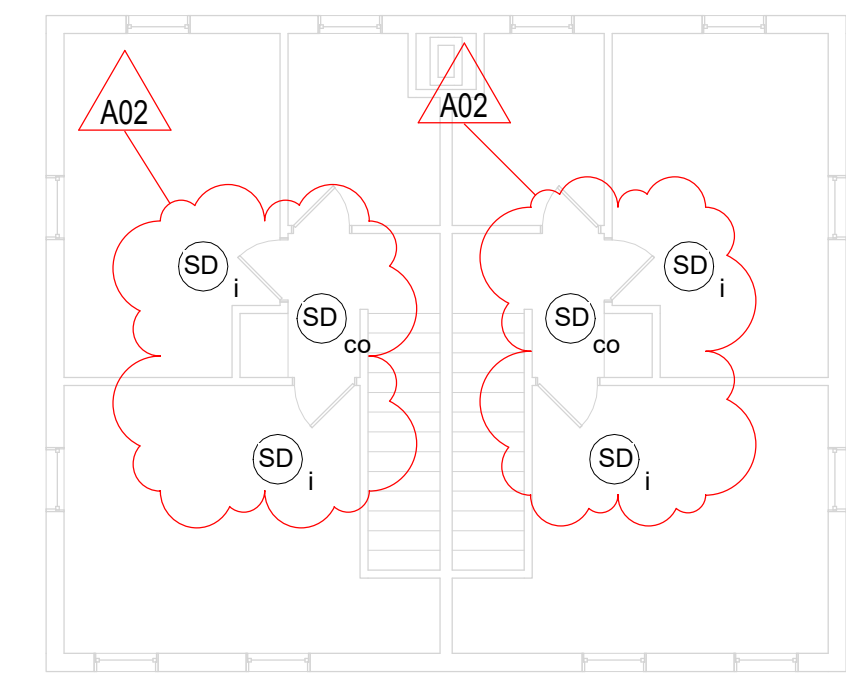
No.	Description	Date
A02	ADDENDUM #2	08/22/2024

Graphic Scale: VARIES

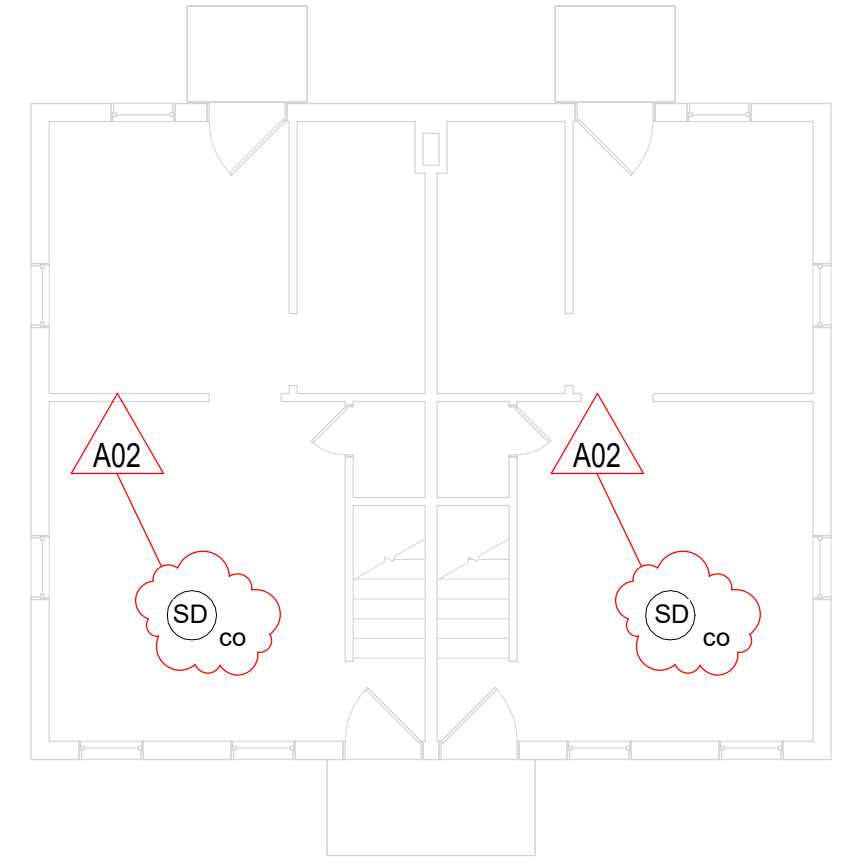
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E901

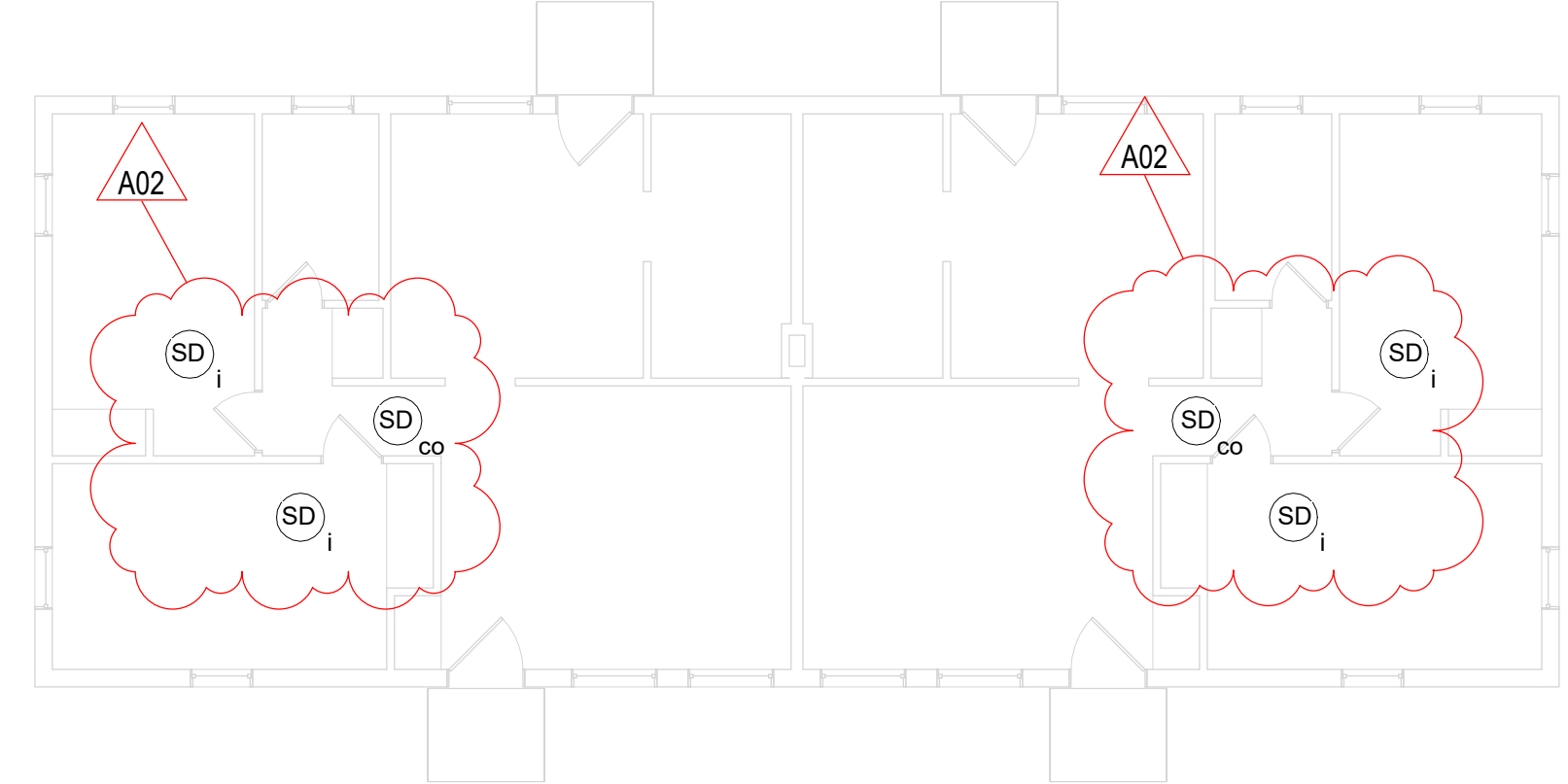
SCHUH HOMES



**4 2ND FLR B2 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



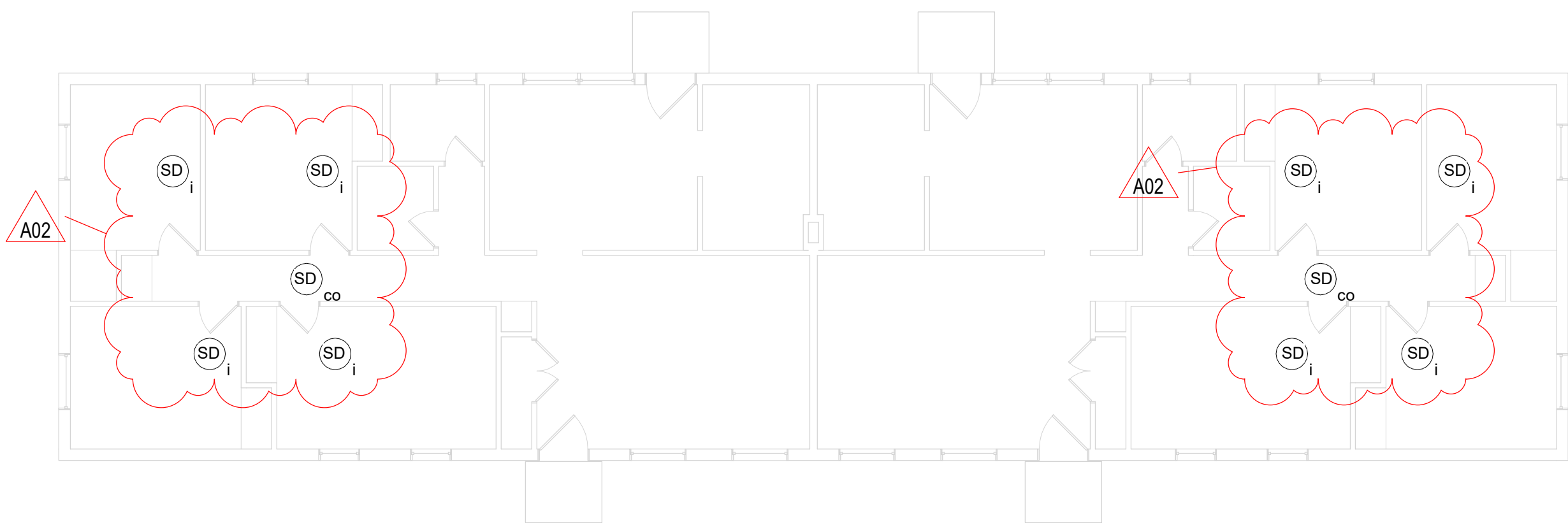
**3 1ST FLR B2 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



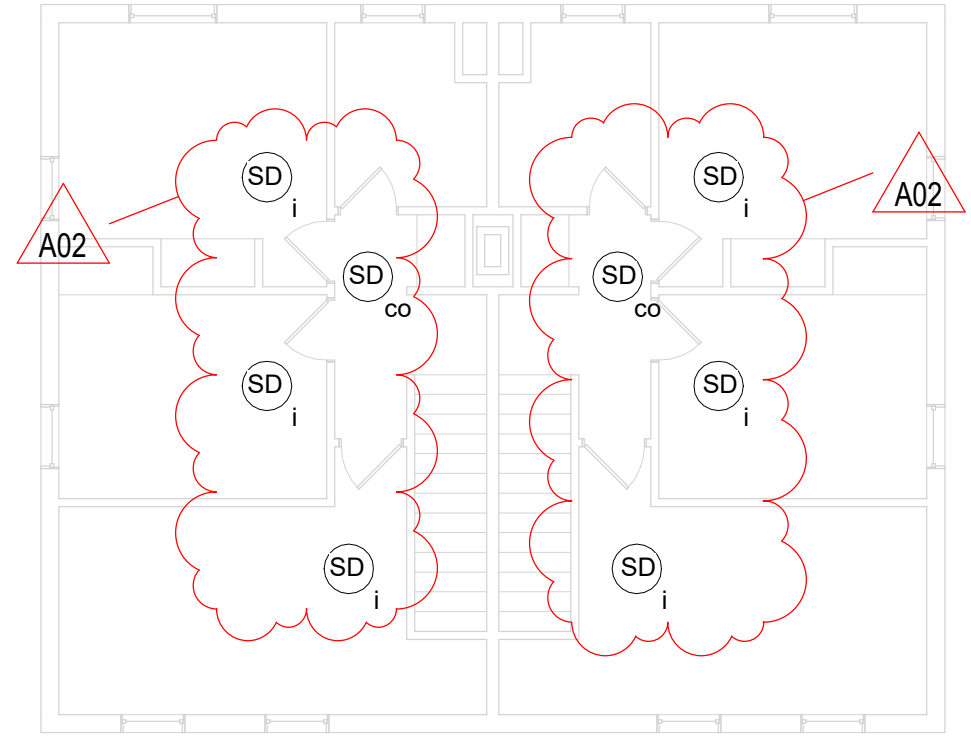
**2 1ST FLR B1 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



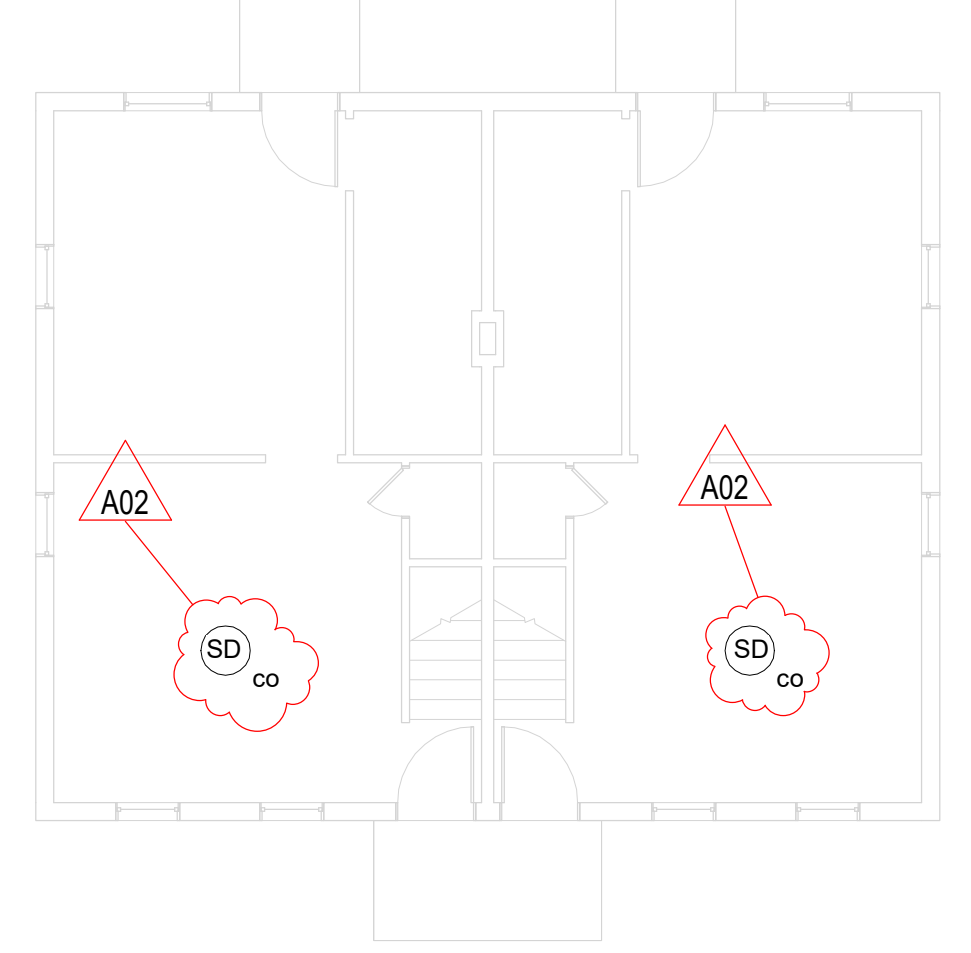
**1 1ST FLR A1 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



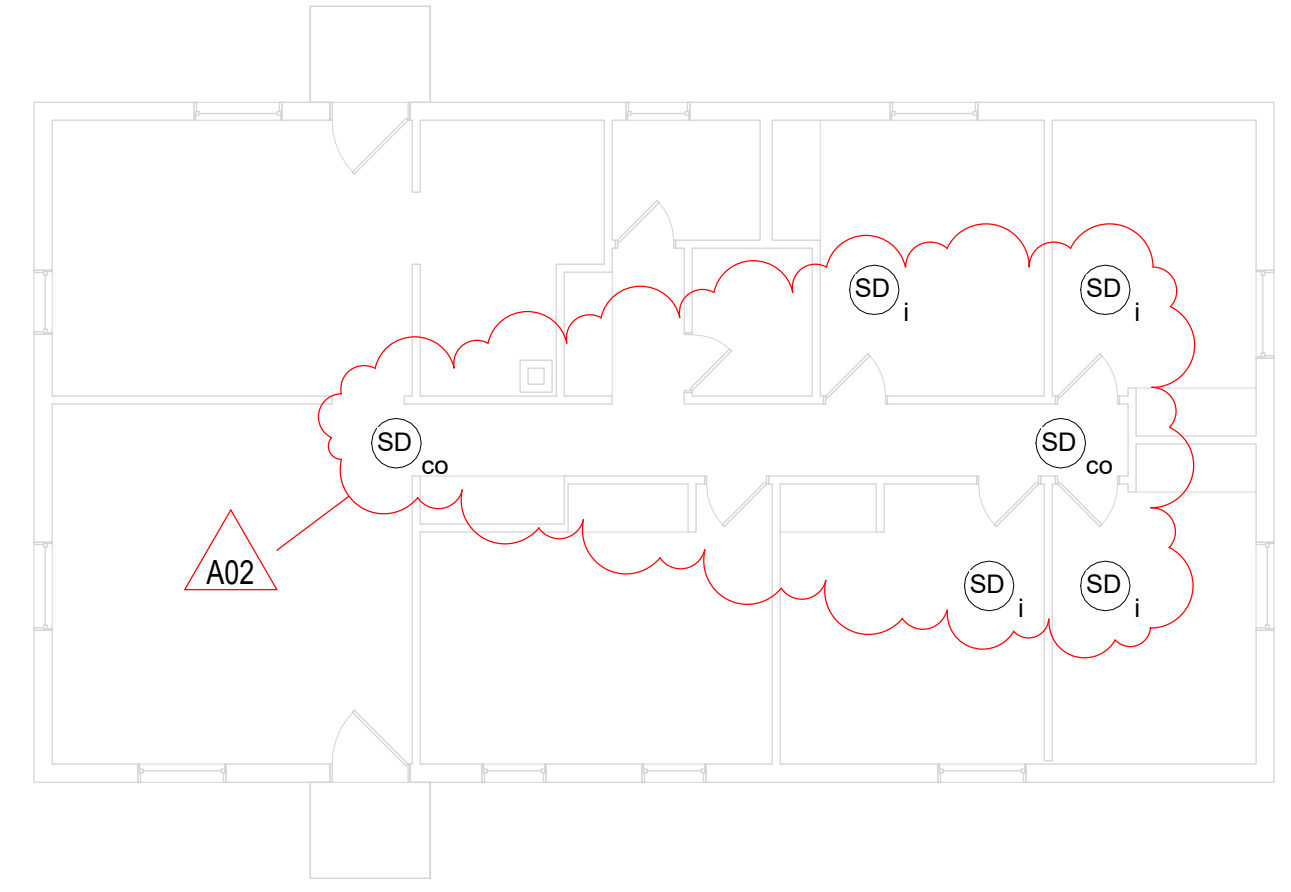
**7 1ST FLR D1 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



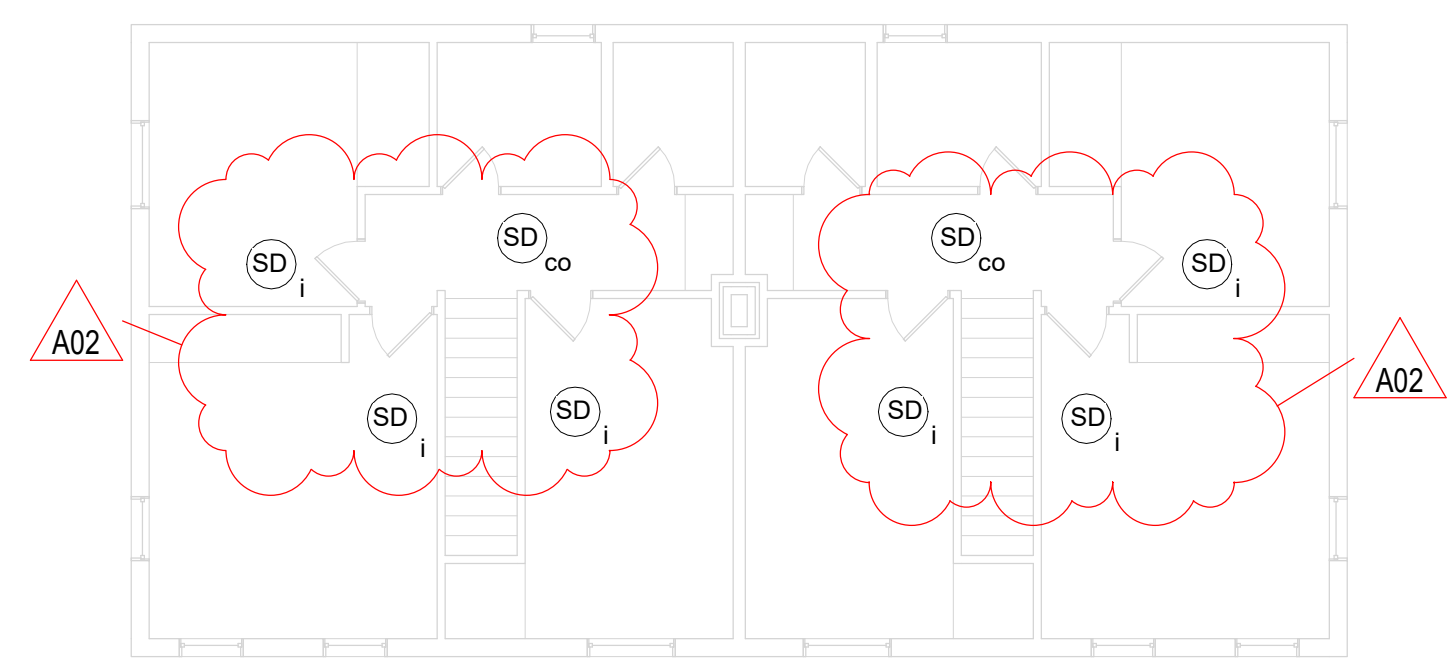
**6 2ND FLR C2 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



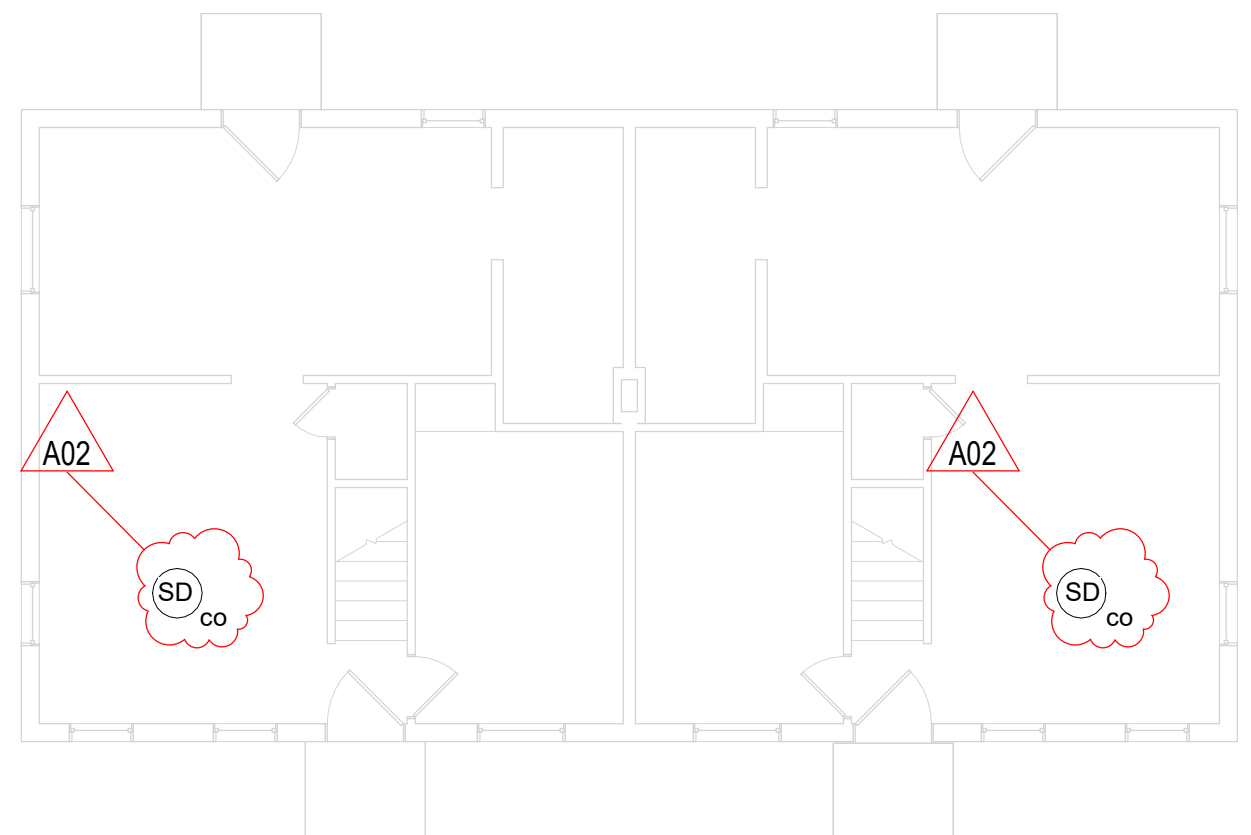
**5 1ST FLR C2 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



**10 1ST FLR E1 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



**9 2ND FLR D2 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"



**8 1ST FLR D2 BLDG SMOKE ALARM PLAN**  
1/8" = 1'-0"

**SMOKE ALARM TYPES:**

- IONIZATION SMOKE ALARM
- PHOTOELECTRIC SMOKE ALARM
- COMBINATION SMOKE AND CO ALARM

SMOKE ALARM - IONIZATION  
 SMOKE ALARM - PHOTOELECTRIC  
 SMOKE ALARM - COMBINATION

**ALL MODELS TO BE:**

10 YEAR SEALED MAINTENANCE-FREE BATTERY, TAMPER-RESISTANT INSTALLATION, NUISANCE RESISTANT, AND SILENCING FUNCTION THROUGHOUT ALL BUILDINGS.

IONIZATION TYPE: BRK #1046858 SM110 OR EQUAL.  
 PHOTOELECTRIC TYPE: BRK #1046741 SM210 OR EQUAL.  
 COMBINATION PHOTO/CO TYPE: BRK #1046802 SMCO210 OR EQUAL.

SMOKE ALARMS INSTALLED OUTSIDE OF A 10' RADIUS OF A COOKING APPLIANCE ARE PERMITTED TO BE IONIZATION TYPE.

SMOKE ALARMS INSTALLED BETWEEN A 6' AND 10' RADIUS OF A COOKING APPLIANCE ARE REQUIRED TO BE PHOTOELECTRIC, PROVIDING THAT THE DEVICES ARE NUISANCE RESISTANT AND HAVE A SILENCING FEATURE.

SMOKE ALARMS ARE NOT PERMITTED CLOSER THAN 6" FROM A COOKING APPLIANCE.

SMOKE ALARMS ARE NOT PERMITTED IN BATHROOMS, NOR CLOSER THAN 3" FROM ANY PART OF A BATHROOM DOORFRAME CONTAINING A TUB OR SHOWER.

(1) COMBINATION SMOKE/CO ALARM MUST BE INSTALLED ON EACH LEVEL OF EVERY APARTMENT UNIT IN ALL 2-PLEX, 4-PLEX, OR 6-PLEX BUILDINGS OTHER THAN HIGH-RISE.

FIELD VERIFY ALL UNITS, EXISTING DEVICES, DISTANCES AND CLEARANCES, AND DEVICE COUNTS TO DETERMINE SMOKE ALARM DEVICE TYPE.



**11 KIT-HALL**  
NTS

**ALL EXISTING SMOKE ALARM DEVICES TO BE REPLACED WITH NEW DEVICES.**

**SMOKE ALARMS MAY BE CEILING OR WALL MOUNTED IN APARTMENTS.**

**CEILING MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO CLOSER THAN 4" OFF THE WALL.**

**WALL MOUNTED SMOKE DETECTORS MUST BE INSTALLED SO THAT THE NEAR EDGE IS NO MORE THAN 12" FROM THE CEILING.**

**IF REMOVING ANY HARDWIRED DEVICE WITHOUT INSTALLING NEW DEVICE ON JUNCTION BOX, CAP ALL WIRES AND ADD DECORATIVE BLANK COVER TO JUNCTION BOX TO COVER OPENING TO FINISHED SURFACE. BASIS OF DESIGN IS: ARLINGTON #CP3540, OR EQUAL.**