

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

**ADDENDUM: 2**

**DATE:** JANUARY 8, 2026

**PROJECT:** WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION  
820 LA CROSSE STREET  
LA CROSSE, WISCONSIN 54601  
PROJECT NO. DECEMBER 2025

**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 DECEMBER 2025. 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: 5 PAGES, 3 DOCUMENTS, 5 SECTIONS, and 32 DRAWINGS.

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**PRE-BID MEETING SIGN IN SHEETS:**

1. December 22, 2025.
2. January 5, 2026.

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

3. Document 00 11 15 Prequalified Contractors
  - a. See the revised document included in this addendum. Disregard the previous version.
  - b. Use the 2026 version of the Western Technical College Prequalified Contractor list.

**CHANGES TO SPECIFICATIONS:**

4. Section 06 41 00 Architectural Wood Casework
  - a. See the revised section included in this addendum. Disregard the previous version.
  - b. Revised paragraph 2.07 F. to change hinge from 5 knuckle institutional type to European concealed type.
5. Section 08 14 16 Flush Wood Doors
  - a. See the revised section included in this addendum. Disregard the previous version.
  - b. Added paragraph 1.02 D. listing 08 88 13 Fire-Rated Glazing as a related requirement.
  - c. Added paragraph 2.05 E. defining requirements for preparation for glazing.
  - d. Added paragraph 2.07 B. defining requirements for glazing.

6. Section 08 54 13 Fiberglass Windows
  - a. See the revised section included in this addendum. Disregard the previous version.
  - b. Revised paragraph 2.01 A. to add Kolbe Forgent as a listed manufacturer.
7. Section 08 71 00 Door Hardware
  - a. See the revised section included in this addendum. Disregard the previous version.
  - b. Revised hardware group 7 & 8.
8. Section 08 88 13 Fire-Rated Glazing
  - a. See the new section included in this addendum.

## CHANGES TO DRAWINGS

9. Sheet G000 COVERSHEET 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised the Index of Drawings to list sheets added in this addendum.
10. Sheet A104 4TH FLOOR PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added Key Note 6 regarding vinyl faced ceiling tile.
11. Sheet A105 5TH FLOOR PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added Key Note 6 regarding vinyl faced ceiling tile.
12. Sheet A106 6TH FLOOR PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added Key Note 6 regarding vinyl faced ceiling tile.
13. Sheet A200 BUILDING ELEVATIONS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added detail 9 to show a stair elevation.
14. Sheet A601 DOOR SCHEUDLE 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised Door Schedule
    - i. Revised 103A to require a new door and new frame.
    - ii. Revised remarks, see clouded changes.
    - iii. Revised door thicknesses, see clouded changes.
  - c. Revised door types to show glazing in door type B.
  - d. Revised door schedule remarks
    - i. Revised remarks 5.
    - ii. Added remarks 8 & 9.
15. Sheet ID101 4TH FLOOR FINISH PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added window shades.
  - c. Added paint to elevator frames.
  - d. Added paint to ceilings.
  - e. Revised Interior Finish Legend for carpet designations.

16. Sheet ID102 5TH FLOOR FINISH PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added window shades.
  - c. Added paint to elevator frames.
  - d. Added paint to ceilings.
  - e. Revised Interior Finish Legend for carpet designations.
17. Sheet ID103 6TH FLOOR FINISH PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added window shades.
  - c. Added paint to elevator frames.
  - d. Added paint to ceilings.
  - e. Revised Interior Finish Legend for carpet designations.
18. Sheet ID600 MASTER COLOR SCHEDULE 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised color of Vinyl Carpet Edge.
19. Sheet P001 PLUMBING TITLE SHEET 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised Plumbing Fixture Specifications to show an approved alternate product.
  - c. Added an additional corner shower caddy for each shower.
20. Sheet M096 6TH FLOOR DEMOLITION PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Unit D 601 shall have existing VTAC unit to remain in place.
21. Sheet M104 4TH FLOOR PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Unit A 404 added kitchen exhaust hood, KXH-1, and associated ADA controls to plans.
22. Sheet M105 5TH FLOOR PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Unit B 504 added kitchen exhaust hood, KXH-2, and associated ADA controls to plans.
23. Sheet M106 6TH FLOOR PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Unit D 601 shall have existing VTAC unit (E)MP-56 to remain.
24. Sheet M600 HVAC SCHEDULES 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Removed MP-56 from Vertical Terminal Air Conditioner Schedule.
  - c. Added Range Hood Schedule for KXH-1 and KXH-2.
25. Sheet E001 ELECTRICAL SYMBOLS & SHEET INDEX 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised the sheet index.
26. Sheet E002 ELECTRICAL NOTES AND SCHEDULES 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Deleted General Note – Lighting #2.

- c. Deleted Keynotes – Lighting #5 & 6.
- d. Added Keynote – Lighting #A01.
- e. Clarified Keynotes – Low Voltage #, 8, & 9.
- f. Crossed off 'Proposed Lighting Fixture Types' no longer being used in this project and circled fixture to be used as replacement for kitchen undercabinet light.

27. Sheet ED104 4TH FLOOR LIGHTING DEMO PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Added sheets ED204, ED205, ED206 and E204, E205, E206 that did not print.
- c. Added Keynote – Lighting #A01 stating all lighting fixtures \*EXCEPT\* kitchen sink fixture demo and sink undercabinet install are being removed from project.

28. Sheet ED105 5TH FLOOR LIGHTING DEMO PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Added sheets ED204, ED205, ED206 and E204, E205, E206 that did not print.
- c. Added Keynote – Lighting #A01 stating all lighting fixtures \*EXCEPT\* kitchen sink fixture demo and sink undercabinet install are being removed from project.

29. Sheet ED106 6TH FLOOR LIGHTING DEMO PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Added sheets ED204, ED205, ED206 and E204, E205, E206 that did not print.
- c. Added Keynote – Lighting #A01 stating all lighting fixtures \*EXCEPT\* kitchen sink fixture demo and sink undercabinet install are being removed from project.

30. Sheet ED204 4TH FLOOR POWER DEMO PLAN 30"x42"

- a. See the new sheet included in this addendum.
- b. Added sheet that did not print.
- c. Added notes stating that air handling/VTAC units are to be replaced. Verify quantity and ampacity of existing conductors and upgrade as necessary.

31. Sheet ED205 5TH FLOOR POWER DEMO PLAN 30"x42"

- a. See the new sheet included in this addendum.
- b. Added sheet that did not print.
- c. Added notes stating that air handling/VTAC units are to be replaced. Verify quantity and ampacity of existing conductors and upgrade as necessary.

32. Sheet ED206 6TH FLOOR POWER DEMO PLAN 30"x42"

- a. See the new sheet included in this addendum.
- b. Added sheet that did not print.
- c. Added notes stating that air handling/VTAC units are to be replaced. Verify quantity and ampacity of existing conductors and upgrade as necessary.

33. Sheet E104 4TH FLOOR LIGHTING PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Added Keynote – Lighting #A01 stating all lighting fixtures \*EXCEPT\* kitchen sink fixture demo and sink undercabinet install are being removed from project.

34. Sheet E105 5TH FLOOR LIGHTING PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.

- b. Added Keynote – Lighting #A01 stating all lighting fixtures \*EXCEPT\* kitchen sink fixture demo and sink undercabinet install are being removed from project.

35. Sheet E106 6TH FLOOR LIGHTING PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Added Keynote – Lighting #A01 stating all lighting fixtures \*EXCEPT\* kitchen sink fixture demo and sink undercabinet install are being removed from project.

36. Sheet E204 4TH FLOOR POWER PLAN 30"x42"

- a. See the new sheet included in this addendum.
- b. Added sheet that did not print.
- c. Added notes stating that air handling/VTAC units are to be replaced. Verify quantity and ampacity of existing conductors and upgrade as necessary.

37. Sheet E205 5TH FLOOR POWER PLAN 30"x42"

- a. See the new sheet included in this addendum.
- b. Added sheet that did not print.
- c. Added notes stating that air handling/VTAC units are to be replaced. Verify quantity and ampacity of existing conductors and upgrade as necessary.

38. Sheet E206 6TH FLOOR POWER PLAN 30"x42"

- a. See the new sheet included in this addendum.
- b. Added sheet that did not print.
- c. Added notes stating that air handling/VTAC units are to be replaced. Verify quantity and ampacity of existing conductors and upgrade as necessary.

39. Sheet E301 ALL FLOORS DOOR ACCESS PLAN 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Clarified views showing that ADA push-button paddle switch is only to be installed on the interior of the ADA suites. Exterior card reader will be programmed to actuate door operator after card scan.
- c. Clarified Keynote – Lighting #9 applies to all non-ADA suites on all floors 1-6.
- d. Added View 2/E301 showing approximate location of wireless card reader gateway.

40. Sheet E500 ELECTRICAL DETAILS 30"x42"

- a. See the revised sheet included in this addendum. Disregard the previous version.
- b. Renumbered views in order.
- c. Clarified view 5/E500, card reader exterior only, ADA push button interior only.
- d. Updated room number on detail 5/E401.

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## Pre-Bid Meeting Sign-In Sheet

December 22, 2025

**PROJECT: WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION  
820 LA CROSSE ST  
LA CROSSE, WI 54601  
HSR PROJECT NO. 25040**

BID OPENING: 2:00 PM, January 13, 2026

Name	Company
1. Sam Harkness	Schneider Heating
2. Chris Langen	P+T Electric
3. Steve Elson	Poellinger Electric
4. Tim Komay	SCHNEIDER HEATING
5. Kris Rubenzer	KNUSTON CONSTRUCTION
6. Mac Smith	B+B Electric
7. Hunter Gross	Wieser Brothers
8. Mike Allen	Fowler & Hammer <a href="mailto:bids@fowlerhammer.com">bids@fowlerhammer.com</a>
9. Tyler Schilling	<a href="mailto:bids@fowlerhammer.com">Bids@fowlerhammer.com</a>
10. Glen Danielson	SIGNARAMA <a href="mailto:glen@signarama-lacrosse.com">glen@signarama-lacrosse.com</a>
11. Gene McCurdy	Gene McCurdy WTC
12. Michelle Maland	HSR
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## Pre-Bid 2 Meeting Sign-In Sheet

January 5, 2026

**PROJECT: WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION  
820 LA CROSSE ST  
LA CROSSE, WI 54601  
HSR PROJECT NO. 25040**

**BID OPENING: 2:00 PM, January 13, 2026**

Name	Company
1. Michelle Maland	HSR Associates
2. Sam Furtak	Market + Johnson
3. Marcus Schindler	Market + Johnson
4. Mark Cloway	E. Stanek Electric
5. Mac Smith	B+B Electric
6. Doug Rucker	Rucker Painting
7. Mike Benten	7 Rivers Mechanical
8. Gene McCurdy	WTC
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**DOCUMENT 00 11 15**  
**PREQUALIFIED CONTRACTORS**

**THE FOLLOWING LIST REPRESENTS PRE-QUALIFIED PRIME CONTRACTORS FOR  
WESTERN TECHNICAL COLLEGE 2026 PROJECTS:**

1. Altmann Construction Company, Inc.
  - a. 5921 Plover Road, Wisconsin Rapids WI 54494
  - b. Contact: Tom Altmann
  - c. Phone: 715-421-2550
  - d. Email: [altmann@altnmannconstruction.com](mailto:altmann@altnmannconstruction.com)
2. B & B Electric, Inc.
  - a. 1303 Western Ave, Eau Claire WI 54703
  - b. Contact: Eric Fanetti
  - c. Phone: 715-832-1676
  - d. Email : [ef@b-belectric.com](mailto:ef@b-belectric.com)
3. Bernie Buchner, Inc.
  - a. 224 Causeway Blvd, La Crosse WI 54603
  - b. Contact: Ryan Deml
  - c. Phone: 608-784-9000
  - d. Email: [ryandeml@berniebuchnerinc.com](mailto:ryandeml@berniebuchnerinc.com)
4. BMS CAT
  - a. 5515 W Florist Ave., Milwaukee WI 53218
  - b. Contact: Lila Kothari
  - c. Phone: 866-950-5317
  - d. Email: [lkothari@bmsmanagement.com](mailto:lkothari@bmsmanagement.com)
5. Borton Construction, Inc.
  - a. 2 Copeland Ave, Suite 201, La Crosse WI 54603
  - b. Contact: Caleb Carpenter
  - c. Phone: 608-779-0400
  - d. Email: [calebcarpenter@bortonconstruction.com](mailto:calebcarpenter@bortonconstruction.com)
6. Brennan Construction of MN, Inc.
  - a. 124 Walnut St. Ste 340, Mankato MN 56001
  - b. Contact: Brian Barnett
  - c. Phone: 507-625-5417
  - d. Email: [bbarnett@bcofmn.com](mailto:bbarnett@bcofmn.com)
7. C.D. Smith Construction, Inc.
  - a. 333 Front St N Ste 701, La Crosse WI 54601
  - b. Contact: Jasen Anhalt
  - c. Phone: 920-924-2900
  - d. Email: [janhalt@cdsmith.com](mailto:janhalt@cdsmith.com)

8. Fahrner Asphalt Sealers, LLC.
  - a. 2800 Mecca Dr. Plover, WI 54467
  - b. Contact: Jeff Sheehan
  - c. Phone: 800-332-3360
  - d. Email: [jeff.sheehan@fahrnerasphalt.com](mailto:jeff.sheehan@fahrnerasphalt.com)
9. Five Star Telecom, Inc.
  - a. 5136 Mormon Coulee Rd. La Crosse, WI 54601
  - b. Contact: Andy Smith
  - c. Phone: 608-796-9088
  - d. Email: [asmith@5startel.com](mailto:asmith@5startel.com)
10. Fowler & Hammer, Inc.
  - a. 313 Monitor Street La Crosse, WI 54603
  - b. Contact: Vittoria Storlie
  - c. Phone: 608-782-6849
  - d. Email: [vstorlie@fowlerhammer.com](mailto:vstorlie@fowlerhammer.com)
11. Hoeft Builders, Inc.
  - a. 5410 Stevens Prky Ste. 100 Eau Claire, WI 54701
  - b. Contact: Luke Rykal
  - c. Phone: 715-833-1761
  - d. Email: [trykal@hoeftbuilders.com](mailto:trykal@hoeftbuilders.com)
12. Hooper Corporation
  - a. 950 Pederson Crossing Blvd DeForest, WI 53532
  - b. Contact:
  - c. Phone: 608-249-0451
  - d. Email: [bidmechanical@hoopercorp.com](mailto:bidmechanical@hoopercorp.com)
13. Immel Construction
  - a. 2601 Development Drive Green Bay, WI 54311
  - b. Contact: Paul Martzke
  - c. Phone: 920-468-8208
  - d. Email: [paulma@immelconstruction.com](mailto:paulma@immelconstruction.com)
14. Integrity Grading and Excavating, Inc.
  - a. 605 Grossman Dr. Schofield, WI 54476
  - b. Contact: Ashley Bohman
  - c. Phone: 715-359-4042
  - d. Email: [quotes@integritge.com](mailto:quotes@integritge.com)
15. Interstate Roofing & WTP, Inc.
  - a. N5544 Commerce Rd. Onalaska, WI 54650
  - b. Contact: Jon Kloehn
  - c. Phone: 608-783-2106
  - d. Email: [jon@interstate-roofing.com](mailto:jon@interstate-roofing.com)

16. J.F. Ahern Co.
  - a. 5315 Freitag Drive Menomonie, WI 54751
  - b. Contact: Kaimana Rodgers
  - c. Phone: 715-233-1841
  - d. Email: [krodgers@jfahern.com](mailto:krodgers@jfahern.com)
17. Jackson & Associates, LLC
  - a. 1817 Buerkle Rd. White Bear Lake, MN 55110
  - b. Contact: Bo Schulz
  - c. Phone: 507-421-4277
  - d. Email: [bo@jaarofing.com](mailto:bo@jaarofing.com)
18. Knutson Construction Services, Inc.
  - a. 300 2nd St. N. La Crosse, WI 54601
  - b. Contact: Jordan Cepress
  - c. Phone: 507-280-9788
  - d. Email: [rochbids@knutsonconstruction.com](mailto:rochbids@knutsonconstruction.com)
19. Ledegar Roofing
  - a. 1701 Miller St. La Crosse, WI 54601
  - b. Contact: Trent Adams
  - c. Phone: 608-785-0901
  - d. Email: [tadams@ledegarroofing.com](mailto:tadams@ledegarroofing.com)
20. Long Life Roofing Co.
  - a. 808 Business Park Rd. Wisconsin Dells, WI 53965
  - b. Contact: Dick Preissel
  - c. Phone: 608-254-7948
  - d. Email: [longlife@longliferoofing.com](mailto:longlife@longliferoofing.com)
21. LVC INC
  - a. 3233 Louis Ave. Ste. E Eau Claire, WI 54703
  - b. Contact : Tom Christman
  - c. Phone : 715-688-4600
  - d. Email : [tchristman@lvcinc.com](mailto:tchristman@lvcinc.com)
22. Market & Johnson, Inc.
  - a. 2350 Galloway Street Eau Claire, WI 54703
  - b. Contact: Tyler Schulz
  - c. Phone: 715-834-1213
  - d. Email: [bidding@market-johnson.com](mailto:bidding@market-johnson.com)
23. Mathy Construction Company
  - a. 920 10th Ave North Onalaska, WI 54650
  - b. Contact: Kevin Christopherson
  - c. Phone: 608-783-6411
  - d. Email: [kevin.christopherson@mathy.com](mailto:kevin.christopherson@mathy.com)

24. McCabe Construction, Inc.
  - a. 3101 Alpine Drive Eau Claire, WI 54703
  - b. Contact: Brady Shepler, Damien Hoernke
  - c. Phone: 715-552-1346
  - d. Email: [bshepler@mccabeconstruction.net](mailto:bshepler@mccabeconstruction.net), [dhoernke@mccabeconstruction.net](mailto:dhoernke@mccabeconstruction.net)
25. Olympic Builders
  - a. 405 North Star Road Holmen, WI 54636
  - b. Contact: Julie Yahnke
  - c. Phone: 608-526-4622
  - d. Email: [office@olympicbuildersgc.com](mailto:office@olympicbuildersgc.com)
26. P & T Electric, Inc.
  - a. 1122 South Oak Street La Crescent, MN 55947
  - b. Contact: Paul Siegersma
  - c. Phone: 507-895-8585
  - d. Email: [paultelectric@acegroup.cc](mailto:paultelectric@acegroup.cc)
27. Pember Companies
  - a. N4449 469th St. Menomonie, WI 54751
  - b. Contact: Brent Pember
  - c. Phone: 715-235-0316
  - d. Email: [bpember@pembercompanies.com](mailto:bpember@pembercompanies.com)
28. Pioneer Roofing, LLC
  - a. 151 Maple St. Johnson Creek, WI 53038
  - b. Contact: Anthony Graziano
  - c. Phone: 920-699-2731
  - d. Email: [info@pioneerroofing.net](mailto:info@pioneerroofing.net)
29. Poellinger Electric, Inc.
  - a. 5416 33rd St South La Crosse, WI 54601
  - b. Contact: Breanne White
  - c. Phone: 608-788-6800
  - d. Email: [breanne@poellingerelectric.com](mailto:breanne@poellingerelectric.com)
30. V & S Construction Services
  - a. 2019 - 22 ½ Avenue PO Box 557 Rice Lake, WI 54868
  - b. Contact: Todd Schieffer or Kevin Klemme
  - c. Phone: 715-234-9174
  - d. Email: [todds@vscontractors.com](mailto:todds@vscontractors.com), [kevink@vscontractors.com](mailto:kevink@vscontractors.com)
31. Wieser Brothers General Contractor, Inc.
  - a. 200 Twilite Street La Crescent, MN 55947
  - b. Contact: Jeff Wieser
  - c. Phone: 507-895-8903
  - d. Email: [bids@wieserbrothers.com](mailto:bids@wieserbrothers.com)

32. Winona Heating & Ventilating, Inc.
  - a. 374 East Second Street Winona, MN 55987
  - b. Contact: Timothy Russell
  - c. Phone: 507-452-2064
  - d. Email: [trussell@whvr.com](mailto:trussell@whvr.com)
33. Winona Nursery, Inc.
  - a. 1280 Frontenac Drive Winona, MN 55987
  - b. Contact: Mclean Benson
  - c. Phone: 507-452-6237
  - d. Email: [info@winonanursery.com](mailto:info@winonanursery.com)

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**SECTION 06 41 00**  
**ARCHITECTURAL WOOD CASEWORK**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Specially fabricated cabinet units.
- B. Countertops.
- C. Hardware.
- D. Preparation for installing utilities.

**1.02 RELATED REQUIREMENTS**

- A. Applicable provisions of Division 1 govern the work of this section.
- B. Section 06 10 00 - Rough Carpentry: Support framing, grounds, and concealed blocking.
- C. Section 06 61 00 - Cast Polymer Fabrications: Solid surfaces countertops.
- D. Section 07 92 00 - Joint Sealants.
- E. Division 22 - Required plumbing fixtures and connections.
- F. Division 26 - Required electrical fixtures and connections.

**1.03 REFERENCE STANDARDS**

- A. ANSI A208.1 - American National Standard for Particleboard; 2022.
- B. ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications; 2022.
- C. ANSI A208.1 - American National Standard for Particleboard; 2022.
- D. ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications; 2022.
- E. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
- F. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.
- G. BHMA A156.9 - Cabinet Hardware; 2020.
- H. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements for procedures.
- B. Review Submittals - Preparatory:
  - 1. Provide submittal packages that contain all the information identified in the submittal groups identified below. Follow any instructions regarding coordinating submittal timing between submittals of different sections.
  - 2. Shop Drawings: Indicate materials, component profiles and elevations of casework layout, assembly methods, joint details, fastening methods, accessory listings, rough-in locations, hardware location and schedule of finishes. Show details of countertop construction including backsplash, end splash and edge details, and type of substrate core material.
    - a. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
    - b. Provide information required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
  - 3. Product Data: Provide data for hardware accessories.
- C. Review Submittals - Samples:
  - 1. Samples: Plastic laminate surfacing in manufacturer's standard colors.
  - 2. Samples: PVC edge banding representative of color/pattern, material and shape.
  - 3. Samples: Submit actual sample items of proposed pulls, hinges, shelf standards, and locksets, demonstrating hardware design, quality, and finish.

- D. Information Submittals - Preparatory:
  - 1. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
- E. Closeout Submittals:
  - 1. See Section 01 78 00 - Closeout Submittals for additional information regarding documenting warranties.
  - 2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.
    - a. Provide procurement information including date(s) of procurement, identification of suppliers and contractors involved in the procurement.
    - b. Provide manufacturer certification of the warranty that is executed in the Owner's name.

## **1.05 QUALITY ASSURANCE**

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
  - 1. Company with at least one project in the past 5 years with value of woodwork within 20 percent of cost of woodwork for this Project.
  - 2. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.
- B. Quality Certification:
  - 1. Provide designated labels on shop drawings as required by certification program.
  - 2. Provide designated labels on installed products as required by certification program.
  - 3. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.
  - 4. Replace, repair, or rework all work for which certification is refused.

## **1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Protect units from moisture damage.

## **1.07 FIELD CONDITIONS**

- A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

## **1.08 WARRANTY**

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Section Specific Warranty: Provide manufacturer's customized warranty as described in this section. Document the warranty as defined under the Submittals heading of this section. Provide warranty in conformance with the following:
  - 1. Repair or replace components that fail in materials or workmanship. Failures include, but are not limited to, the following:
    - a. Delamination of components or other failures of glue bond.
    - b. Warping of components.
    - c. Failure of operating hardware.
    - d. Deterioration of finishes.

## **PART 2 PRODUCTS**

### **2.01 CABINETS**

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

## **2.02 PANEL CORE MATERIALS**

- A. Particleboard: Composite panel composed of cellulosic particles, additives, and bonding system; comply with ANSI A208.1.
  - 1. Use: Countertops and Backsplash.
  - 2. Classification: Medium density Industrial.
  - 3. Grade: M-2; moisture resistance: MR10.
  - 4. Panel Thickness: As Indicated.
- B. Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.
  - 1. Use for components not indicated as another material and as backing for plastic laminate unless otherwise indicated.
  - 2. Grade: 115; moisture resistance: MR10.
  - 3. Panel Thickness: As Required.
  - 4. Surface: Sanded.

## **2.03 LUMBER MATERIALS**

- A. Cabinet Rib Materials, Base Frames and Kicks: Kiln dried hardwood or softwood with a moisture content of 5-10% or 3/4" APA B-B G-2 Exp 1 exterior plywood. Construction lumber (s-dry) not allowed.

## **2.04 LAMINATE MATERIALS**

- A. Manufacturers: Refer to Master Color Schedule on ID Drawings for basis of design.
  - 1. Formica Corporation: [www.formica.com](http://www.formica.com).
  - 2. Panolam Industries International, Inc: Including brands Panolam, Nevemar and Pionite; [www.panolam.com](http://www.panolam.com).
  - 3. Wilsonart LLC: [www.wilsonart.com](http://www.wilsonart.com).
  - 4. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.
- B. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.
- C. Provide specific types as indicated.
  - 1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, through color, color as selected, finish as indicated.
  - 2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, through color, color as selected, finish as indicated.
  - 3. Post-Formed Horizontal Surfaces: HGP, 0.039 inch nominal thickness, through color, color as selected, finish as indicated.
  - 4. Post-Formed Vertical Surfaces: VGP, 0.028 inch nominal thickness, through color, color as selected, finish as indicated.
  - 5. Cabinet Liner: CLS, 0.020 inch nominal thickness (melamine), color as selected, finish as selected.
  - 6. Laminate Backer: BKL, 0.020 inch nominal thickness (melamine), undecorated; for application to concealed backside of panels faced with high pressure decorative laminate.

## **2.05 COUNTERTOPS**

- A. Solid Surface Countertops: See Section 06 61 00 - Cast Polymer Fabrications.
- B. Plastic Laminate Countertops: Medium density industrial particle board substrate covered with HPDL. Back/end splash shall be coved joint. Countertop edge shall be post formed with self edge economy.

## 2.06 ACCESSORIES

- A. Plastic edge banding:
  - 1. Plastic edge banding at exposed edges of shelves and islands:
    - a. Extruded 2mm PVC, flat shaped, smooth finish width to match component thickness.
    - b. Pattern/Color: As selected by Architect from manufacturer's full range.
  - 2. Plastic edge banding at door, drawer, all face frames and other locations not otherwise indicated:
    - a. Extruded 0.018 inch PVC, flat shaped; smooth finish; of width to match component thickness.
    - b. Pattern/Color: As selected by Architect from manufacturer's full range.
- B. Fasteners: Size and type to suit application.
- C. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
- D. Concealed Joint Fasteners: Threaded steel.

## 2.07 HARDWARE

- A. Cabinet Hardware: Comply with BHMA A156.9 for hardware types and grades indicated below:
  - 1. Hardware Types: As indicated on drawings.
  - 2. Product Grade: Grade 2.
- B. Configuration: Pedestal supported with wood bench top and backrest.
- C. Drawer and Door Pulls:
  - 1. Material: Stainless Steel.
  - 2. Finish: Brushed Chrome Finish.
  - 3. Products:
    - a. Hafele: Handle, Stainless Steel 304; [www.hafele.com](http://www.hafele.com).
    - b. Rockwood: 853; [www.assaabloydooraccessories.us](http://www.assaabloydooraccessories.us).
    - c. Sugatsune: SWP-696/S Stainless Steel Wire Pull; [www.sugatsune.com](http://www.sugatsune.com).
    - d. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.
- D. Latches and Catches:
  - 1. Type: Magnetic Catch:
    - a. Non-Tabbed Magnetic Catch:
      - 1) Install one at base and wall cabinets, two (top and bottom) at each door of tall storage units.
      - 2) Products:
        - (a) Ives; 326 Magnetic Catch, dual double pole; [us.allegion.com](http://us.allegion.com).
        - (b) Rockwood Pull; Rockwood 900 Heavy Duty Magnetic Catch; [www.rockwoodpull.com](http://www.rockwoodpull.com).
        - (c) Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.
    - 2. Elbow Latches:
      - a. Install at double doors with locks.
      - b. Products:
        - 1) Ives: Ives #2 Elbow Latch; [www.iveshinges.com](http://www.iveshinges.com).
        - 2) EPCO: Heavy Duty Elbow Latch; [www.epcohhardware.com](http://www.epcohhardware.com).
        - 3) Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.
  - E. Drawer Slides:
    - 1. Type: Combination metal and roller bearing, three-quarter extension.
    - 2. Standard Drawers: 100 lb. Accuride 3832 soft close or comparable.
    - 3. File Drawers: Combination metal and roller bearing, full extension with over travel, 150 lb. Accuride 4034 Series or comparable.

- 4. Mounting: Side mounted.
- 5. Stops: Integral type.
- 6. Features: Provide stay close type.
  - a. Manufacturers:
    - 1) Accuride International, Inc: [www.accuride.com](http://www.accuride.com).
    - 2) Blum; [www.blum.com](http://www.blum.com).
    - 3) Knape & Vogt Manufacturing Company: [www.knapeandvogt.com](http://www.knapeandvogt.com).
  - b. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.
- F. Hinges: European style concealed type, stainless steel with satin finish.
  - 1. Opening: 120 degree opening.
  - 2. Manufacturers:
    - a. Grass America, Inc.; Timos: [www.grassusa.com](http://www.grassusa.com).
    - b. Blum, Inc; Clip Top Blumotion Hinge Systems: [www.blum.com](http://www.blum.com).
    - c. Titus Cabinet Hardware; Soft-Line: [www.titusplus.com/us/en](http://www.titusplus.com/us/en).
    - d. Substitutions: See contract Conditions and General Requirements for requirements.

## 2.08 SUPPORTS AND BRACKETS

- A. In-Cabinet Adjustable Shelf Supports: Standard side-mounted system using multiple holes for pin supports and coordinated self rests, satin chrome finish, for nominal 1 inch spacing adjustments.
  - 1. Products: #55 Double Pin manufactured by Allenfield Manufacturing and Development.
    - a. #55 Double Pin manufactured by Allenfield Manufacturing and Development.
    - b. Shelf Support Clip #3220CL from Bainbridge Manufacturing Inc.
    - c. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.
- B. Formed/Bent Plate Shelf Brackets: Fixed, formed plate, face-of-wall mounting.
  - 1. Materials: Formed steel shapes.
    - a. Finish: Manufacturer's standard, factory-applied, powder coat.
    - b. Color: Brown.
  - 2. Support Length: Match the width of the supported surface without exceeding the width of the supported surface or interfering with edge detailing.
  - 3. Products:
    - a. A&M Hardware, Inc; Standard Brackets: [www.aandmhardware.com](http://www.aandmhardware.com).
    - b. Gambas Workstation Brackets: Standard Brackets: [www.gambasbrackets.com](http://www.gambasbrackets.com).
    - c. Rockler: Heavy-Duty Steel Shelf Brackets: [www.rockler.com](http://www.rockler.com).
    - d. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.

## 2.09 SINKS, DRAINS, TRAPS AND LABORATORY FITTINGS

- A. See plumbing sheets for products and installation.

## 2.10 FABRICATION

- A. Cabinet Style: Flush overlay.
- B. Base Cabinets:
  - 1. Construct in accordance with AWI/AWMAC Architectural Woodwork Quality Standards Illustrated, Custom quality.
- C. Wall Cabinets:
  - 1. Underside of wall cabinets shall be Type "C" flush with finish applied after assembly.
  - 2. Provide manufacturer's standard construction to reinforce cabinets for wall attachment, minimum two, full width 3/4 inch thick x 3 inch, glued and mechanically fastened at cabinet back.
- D. Drawers:
  - 1. Bottoms and Sides: 1/2 inch Veneer core panel product, "B" face hardwood veneer or 1/2 inch medium density fiberboard with thermoset decorative overlay. PVC edge banding at exposed edges.

- 2. Bottoms shall be dadoed into sides, front and back. Staple and glue.
- 3. Reinforcement; 1/2 inch thick under-bottom stiffeners, one at 24 inch drawers, two at 36 inch drawers and four at 48 inch drawers.
- 4. File drawers shall be sized to accommodate a follower mechanism or use of hanging folders. Selection to be confirmed by A/E.
- E. Tall Storage Units:
  - 1. Center shelf shall be fixed to allow for installation of lock where applicable.
- F. HDPL Veneer Shelves:
  - 1. Provide 3/4 inch thick shelves unless noted otherwise on drawings or to satisfy span limits described below.
  - 2. Provide 1 inch thick shelves to support microwaves.
  - 3. Shelf Veneer Material: HDPL at top and bottom of panels unless noted otherwise.
  - 4. Shelf Edge Material: PVC banding that is pattern/color matched to the veneer unless noted otherwise.
  - 5. Enclosed Shelves: Finish to match inside faces of cabinet. Fabricate all shelves to the full depth of the cabinet. Finish edges with banding at surfaces exposed when the doors are open.
  - 6. Non-enclosed Shelves - Finish all edges with banding if not otherwise indicated.
- G. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- H. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
  - I. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
  - J. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Where countertop length exceeds manufacturer's maximum sheet length. Locate counter butt joints minimum 2 feet from sink cut-outs.
    - 1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
    - 2. Cap exposed plastic laminate finish edges with material of same finish and pattern.
  - K. Mechanically fasten back splash to countertops with steel brackets at 16 inches on center.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.

#### **3.02 INSTALLATION**

- A. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- B. Use fixture attachments in concealed locations for wall mounted components.
- C. Use concealed joint fasteners to align and secure adjoining cabinet units.
- D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- E. Secure cabinets to floor using appropriate angles and anchorages.
- F. Coordinate placement of fixtures and items required in other divisions.
- G. Where casework meets wall surfaces, set with uniform space not to exceed 1/8 inch. Seal all joints to a slightly concave joint. Use backer rod where required. Refer to Section 07 92 00 for sealant type.

### **3.03 ADJUSTING**

- A. Adjust installed work.
- B. Adjust moving or operating parts to function smoothly and correctly.

### **3.04 CLEANING**

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

**END OF SECTION**

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**SECTION 08 14 16**  
**FLUSH WOOD DOORS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Flush wood doors; flush configuration; fire-rated and non-rated.

**1.02 RELATED REQUIREMENTS**

- A. Applicable provisions of Division 1 govern the work of this section.
- B. Section 08 12 13 - Hollow Metal Frames.
- C. Section 08 71 00 - Door Hardware.
- D. Section 08 88 13 – Fire Rated Glazing.

**1.03 REFERENCE STANDARDS**

- A. ICC (IBC) - International Building Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- B. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2025.
- C. WDMA I.S. 1A - Interior Architectural Wood Flush Doors; 2021, with Errata (2022).

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements for procedures.
- B. Provide submittal transmittals that include all submittal items identified in each submittal group below.
- C. It is permissible for a single supplier to combine submittal items for multiple sections within Division 8 Openings. This permission applies to sections that describe requirements for glazing, hardware, any passage door and windows that are framed using the same systems as the passage doors. Identify all sections that are included in the transmittal on the coversheet.
- D. Review Submittals - Preparatory:
  - 1. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
  - 2. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
- E. Review Submittals - Samples:
  - 1. Samples: Submit two samples of door construction, 12 by 12 inch in size cut from top corner of door.
  - 2. Samples: Submit two samples of door veneer, 12 by 12 inch in size illustrating wood grain, stain color, and sheen.
- F. Information Submittals - Preparatory:
  - 1. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
- G. Closeout Submittals:
  - 1. See Section 01 78 00 - Closeout Submittals for additional information regarding documenting warranties.
  - 2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.

**1.05 QUALITY ASSURANCE**

- A. Maintain one copy of the specified door quality standard on site for review during installation and finishing.

- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section, with not less than three years of documented experience.
- C. Supplier: A company experienced in the builders' hardware industry representing wood door products for a minimum of two (2) years, and can call upon an AHC, registered Architectural Hardware Consultant, for consultation during the full extent of the project.

#### **1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Package, deliver and store doors in accordance with specified quality standard.
- B. Accept doors on site in manufacturer's packaging, and inspect for damage.
- C. Protect doors with resilient packaging sealed with heat shrunk plastic; do not store in damp or wet areas or areas where sunlight might bleach veneer; seal top and bottom edges with tinted sealer if stored more than one week, and break seal on site to permit ventilation.

#### **1.07 PROJECT CONDITIONS**

- A. Coordinate the work with door opening construction, door frame and door hardware installation.

#### **1.08 WARRANTY**

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Section Specific Warranty: Provide manufacturer's customized warranty as described in this section. Document the warranty as defined under the Submittals heading of this section. Provide warranty in conformance with the following:
  - 1. Provide manufacturer's warranty on interior doors for the life of the installation. Complete forms in Owner's name and register with manufacturer.
  - 2. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

### **PART 2 PRODUCTS**

#### **2.01 MANUFACTURERS**

- A. Wood Veneer Faced Doors:
  - 1. Forte Opening Solutions: [www.forteopenings.com](http://www.forteopenings.com).
  - 2. Oshkosh Architectural Door Company: [www.oshkoshdoor.com](http://www.oshkoshdoor.com).
  - 3. VT Industries: [www.vtindustries.com](http://www.vtindustries.com).
  - 4. Streko: [www.strekodoors.com](http://www.strekodoors.com).
  - 5. Substitutions: See Section 01 25 00 - Substitution Procedures for requirements.

#### **2.02 DOORS**

- A. Doors: See drawings for locations and additional requirements.
  - 1. Quality Standard: Custom Grade, Heavy Duty performance, in accordance with WDMA I.S. 1A.
  - 2. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.
- B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
  - 1. Provide interior doors compatible with existing frames to be reinstalled and to remain in place while maintaining fire rating.
  - 2. Provide solid core doors at each location.
  - 3. Fire Rated Doors: Tested to ratings as indicated on drawings in accordance with ICC (IBC) - Positive Pressure; Underwriters Laboratories Inc. (UL) or Intertek/Warnock Hersey (WHI) labeled without any visible seals when door is open.

#### **2.03 DOOR AND PANEL CORES**

- A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.
- B. Fire-Rated Doors: Mineral core type, with fire resistant composite core (FD), plies and faces as indicated above; with core blocking as required to provide adequate anchorage of hardware without through-bolting.

## **2.04 DOOR FACINGS**

- A. Veneer Facing for Transparent Finish: Maple, veneer grade in accordance with quality standard indicated, plain sliced (flat cut), with book match between leaves of veneer, running match of spliced veneer leaves assembled on door or panel face.
  - 1. Vertical Edges: laminated.
- B. Facing Adhesive: Type I - waterproof.

## **2.05 DOOR CONSTRUCTION**

- A. Fabricate doors in accordance with door quality standard specified.
- B. Cores Constructed with stiles and rails.
- C. Provide solid blocks at lock edge for hardware reinforcement.
- D. Where supplementary protective edge trim is required, install trim after veneer facing has been applied full-width.
- E. Glazing Openings: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings.
- F. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.
- G. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
- H. Provide edge clearances in accordance with the quality standard specified.

## **2.06 FINISHES - WOOD VENEER DOORS**

- A. Finish work in accordance with WDMA I.S. 1A for grade specified and as follows:
  - 1. Transparent:
    - a. System - TR-6, Catalyzed Polyurethane.
    - b. Stain: As selected by Architect.
    - c. Sheen: Satin.
- B. Factory finish doors in accordance with approved sample. Stain colors shall be selected from manufacturer's full line.
- C. Seal edges as required by manufacturer's standards to meet lifetime warranty.

## **2.07 ACCESSORIES**

- A. Hollow Metal Door Frames: See Section 08 12 13.
- B. Glazed Openings:
  - 1. See requirements in Section 08 88 13.
- C. Glazing Stops: Wood, of same species as door facing, butted corners; prepared for countersink style tamper proof screws.
- D. Door Hardware: See Section 08 71 00.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

### **3.02 INSTALLATION**

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
  - 1. Install fire-rated doors in accordance with NFPA 80 requirements.
- B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.

- C. Use machine tools to cut or drill for hardware.
- D. Coordinate installation of new doors with installation of frames and hardware.
- E. Coordinate installation of glazing.
- F. Seal all job site sawn surfaces with two coats of polyurethane.

### **3.03 TOLERANCES**

- A. Comply with specified quality standard for fit and clearance tolerances.
- B. Comply with specified quality standard for telegraphing, warp, and squareness.

### **3.04 ADJUSTING**

- A. Adjust doors for smooth and balanced door movement.
- B. Adjust closers for full closure.

### **3.05 SCHEDULE - SEE DRAWINGS**

**END OF SECTION**

**SECTION 08 54 13**  
**FIBERGLASS WINDOWS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Factory fabricated fiberglass windows with operating sash.
- B. Factory glazed including infill panels.
- C. Operating hardware.
- D. Insect screens.

**1.02 RELATED REQUIREMENTS**

- A. Applicable provisions of Division 1 govern work under this Section.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.

**1.03 REFERENCE STANDARDS**

- A. AAMA/WDMA/CSA 101/I.S.2/A440 - North American Fenestration Standard/Specification for Windows, Doors, and Skylights; 2022, with Errata (2023).
- B. AAMA 502 - Voluntary Specification for Field Testing of Newly Installed Fenestration Products; 2021.
- C. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- D. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.
- E. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2023).
- F. ASTM E783 - Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors; 2002 (Reapproved 2018).
- G. ASTM E1105 - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference; 2015 (Reapproved 2023).

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements for procedures.
- B. Provide submittal transmittals that include all submittal items identified in each submittal group below.
- C. Review Submittals - Preparatory:
  1. Product Data: Provide component dimensions, anchors, fasteners, glass, and internal drainage details.
  2. Shop Drawings: Indicate opening dimensions, framed opening tolerances, affected related work, installation requirements.
- D. Review Submittals - Samples:
  1. Submit 1 sample of window corner/frame section.
  2. Submit sample set of sill color options.
- E. Information Submittals - Preparatory:
  1. Manufacturer's Certificate: Certify that products of this section meet or exceed specified requirements.
  2. Grade Substantiation: Prior to submitting shop drawings or starting fabrication, submit one of the following showing compliance with specified grade:
    - a. Evidence of AAMA Certification.

- b. Evidence of WDMA Certification.
- c. Evidence of CSA Certification.
- d. Test report(s) by independent testing agency itemizing compliance and acceptable to authorities having jurisdiction.
- 3. Manufacturer's qualification statement.
- 4. Installer's qualification statement.

F. Closeout Submittals:

1. Extended Period: Submit certificate by Contractor acknowledging the section specific period to correct work described in this Section.
2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.
  - a. Provide procurement information including date(s) of procurement, identification of suppliers and contractors involved in the procurement.
  - b. Provide manufacturer certification of the warranty that is executed in the Owner's name.

## 1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.
- B. Meet code requirements for basement egress window and other required egress locations.

## 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Protect finished surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond when exposed to sunlight or weather.
- B. Jig, brace, and box the window frame assemblies for transport to minimize flexing of members or joints.

## 1.07 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F.
- B. Maintain this minimum temperature during and after installation of sealants.

## 1.08 WARRANTY

- A. Section Specific Warranty: Provide manufacturer's customized warranty as described in this section. Document the warranty as defined under the Submittals heading of this section. Provide warranty in conformance with the following:
  1. Provide twenty year manufacturer warranty for insulated glass units from seal failure, interpane dusting or misting, and replacement of same. Include coverage for degradation of color finish.

# PART 2 PRODUCTS

## 2.01 MANUFACTURERS

- A. Fiberglass Windows:
  1. Basis of Design: Marvin: Essential Collection.
  2. Pella Impervia.
  3. Kolbe Forgent.
  4. Substitutions: See contract Conditions and General Requirements for requirements.

## 2.02 WINDOW UNITS

- A. Fiberglass Windows: Hollow, tubular, multi-layer fiber reinforced material; factory fabricated; with vision glass, related flashings, anchorage and attachment devices.
  1. Configuration: As indicated on drawings.
  2. Product Type: H - Hung window, vertically sliding in accordance with AAMA/WDMA/CSA 101/I.S.2/A440.
  3. Color: Bronze, inside and outside.

4. Movement: Accommodate movement between window and perimeter framing and deflection of lintel, without damage to components or deterioration of seals.
5. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.

## 2.03 PERFORMANCE REQUIREMENTS

- A. Grade: AAMA/WDMA/CSA 101/I.S.2/A440 requirements for specific window type:
  1. Performance Class (PC): LC.
- B. Design Pressure (DP): In accordance with ASCE 7.
- C. Overall Thermal Transmittance (U-value): See requirements on sheet A200.
- D. Water Leakage: No uncontrolled leakage on interior face when tested in accordance with ASTM E331 at differential pressure of 12.11 pounds per square foot.
- E. Air Leakage: 0.3 cfm/sq ft maximum leakage when tested at 1.57 psf pressure difference in accordance with ASTM E283/E283M.

## 2.04 COMPONENTS

- A. Sills: Provide brake formed aluminum; sloped for positive wash; fit under sash to 1/2 inch beyond upper angle of masonry sill unit; one piece full width of opening. See detail 8 on A200. Color match aluminum sill to masonry sill unit.
- B. Insect Screen Frame: Rolled aluminum frame of rectangular sections; fit with adjustable hardware; nominal size similar to operable glazed unit. Match screen frame color to mullion color.
- C. Factory-installed screen: Screen mesh 18 x 16, charcoal fiberglass.
- D. Fasteners: Stainless steel.
- E. Sealant for Setting Sills and Sill Flashing: Non-curing butyl type.

## 2.05 GLASS AND GLAZING MATERIALS

- A. Insulating glass, high performance low-e with argon gas.
- B. Factory glazed, manufacturer's standard installation.

## 2.06 HARDWARE

- A. Manufacturer's standard for type of window.
- B. Window Opening Control Devices (WOCD): Provide operable window sash hardware that limits openings to only allow passage of 4 inch diameter rigid sphere or less, and are easily releasable to fully open without use of keys, tools, or special knowledge.

## 2.07 FABRICATION

- A. Fabricate framing, mullions and sash members with fusion welded corners and joints, in a rigid jig. Supplement frame sections with internal reinforcement where required for structural rigidity.
- B. Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
- C. Arrange fasteners to be concealed from view.
- D. Permit internal drainage weep holes and channels to migrate moisture to exterior. Provide internal drainage of glazing spaces to exterior through weep holes.
- E. Double weatherstrip operable units.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify wall openings and adjoining water-resistive barrier seal materials are ready to receive work of this section.

### **3.02 INSTALLATION**

- A. Install windows in accordance with manufacturer's instructions.
- B. Attach window frame and shims to perimeter opening to accommodate construction tolerances and other irregularities.
- C. Align window plumb and level, free of warp or twist. Maintain dimensional tolerances and alignment with adjacent work.
- D. Install sill.
- E. Provide thermal isolation where components penetrate or disrupt building insulation. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.

### **3.03 TOLERANCES**

- A. Maximum Variation from Level or Plumb: 0.06 inches every 3 ft non-cumulative or 0.5 inches per 100 ft, whichever is less.

### **3.04 FIELD QUALITY CONTROL**

- A. Provide services of fiberglass window manufacturer's field representative to observe for proper installation of system and submit report.
- B. A Contractor hired testing agency will perform field quality control tests, as specified in Section 01 40 00 - Quality Requirements.
- C. Provide field testing of installed fiberglass windows by independent laboratory in accordance with AAMA 502 and AAMA/WDMA/CSA 101/I.S.2/A440 during construction process and before installation of interior finishes.
  - 1. Perform tests on three individual windows in designated locations as indicated on drawings.
  - 2. Conduct tests on individual windows prior to 5 percent and 50 percent completion of this work.
  - 3. Field test for water penetration in accordance with ASTM E1105 using Procedure B - cyclic static air pressure difference; test pressure shall not be less than 1.9 psf.
  - 4. Field test for air leakage in accordance with ASTM E783 with uniform static air pressure difference of 6.27 psf.
    - a. Maximum allowable rate of air leakage is 0.10 cfm/sq ft.
- D. Repair or replace fenestration components that have failed designated field testing, and retest to verify performance complies with specified requirements.

### **3.05 ADJUSTING**

- A. Adjust hardware for smooth operation and secure weathertight closure.

### **3.06 CLEANING**

- A. Remove protective material from pre-finished surfaces.
- B. Wash surfaces by method recommended and acceptable to window manufacturer; rinse and wipe surfaces clean.
- C. Remove excess glazing sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

### **END OF SECTION**

## SECTION 08 71 00 DOOR HARDWARE

### PART 1: GENERAL

#### 1.01 RELATED DOCUMENTS

- A. Conditions of the Contract and portions of Division One of this Project Manual apply to this Section as though repeated herein.

#### 1.02 WORK INCLUDED

- A. Furnish all finish hardware specified herein, listed in the hardware schedule, or required by the drawings.
- B. Where items of hardware are not definitely or correctly specified and are required for the intended service, such omission, error, or other discrepancy should be directed to the Architect prior to the bid date for clarification by addendum. Otherwise, furnish such items in the type and quantity established by this specification for the appropriate service intended.

#### 1.03 RELATED WORK

- A. Section 08 12 13 – Hollow Metal Frames
- C. Section 08 14 16 – Flush Wood Doors.
- D. Division 26 - Electrical.
- E. Division 28 – Access Control

#### 1.04 REFERENCES

- A. A.D.A. - Americans with Disabilities Act.
- B. ANSI ICC A117.1-2009: Specifications for making facilities accessible.
- C. NFPA 80 - Standards For Fire Doors and Windows.
- D. NFPA 101 - Life Safety Code.
- E. U.L. - Building Material Directory.
- F. D.H.I. - Recommended Locations for Architectural Hardware.
- G. Applicable State and Local Building Codes, including IBC 2009.

#### 1.05 SUBMITTALS

- A. Submit five (5) copies of a detailed hardware schedule, vertical format. Prepare under the supervision of an AHC, registered Architectural Hardware Consultant, and under provisions of Division One.
  1. Itemize hardware in the sequence and format established by this specification.
  2. List and describe each opening separately. Include all doors with identical hardware, except hand, in a single heading. Include door number, room designations, degree of swing, and hand.

3. List related details. Include dimensions, door and frame material, and other considerations affecting hardware.
4. List all hardware items to be supplied. Include manufacturer's name, quantity, product name, catalog number, size, finish, attachments, and related details where applicable.
5. Resubmit five (5) copies of the corrected schedule when required.

**B.** Keying Schedule: After receipt of approved hardware schedule submit a copy of keying schedule as a result of a keying meeting between the Owner and the hardware supplier.

**C.** Samples: If so directed by the Architect, submit samples of finish hardware items for approval. Properly identify each sample as to make and number, and furnish in the specified finish.

**D.** Templates: Furnish a copy of approved hardware schedule, along with applicable templates for factory-prepared hardware to each door and frame fabricator.

**E.** Electrical Hardware: Submit electrical specifications and applicable information to the electrical contractor after receipt of the approved hardware schedule.

**F.** Substitutions: Submit under provisions of Division One. Provide detailed information and catalog cuts indicating the comparison to the specified hardware. If requested by the Architect, provide a sample accompanied by a sample of the specified item for comparison.

## **1.06 QUALITY ASSURANCE**

**A.** Qualifications:

1. Manufacturer: Except where specified in the hardware schedule, furnish products of only one manufacturer for each type of hardware.
2. Supplier: A company experienced in the builders' hardware industry for a minimum of two (2) years, and can call upon an AHC, registered Architectural Hardware Consultant, for consultation during the full extent of the project

**B.** Regulatory Requirements:

1. Furnish UL or Warnock Hersey listed hardware for all fire labeled and 20 minute openings in conformance with requirements for class of opening scheduled, whether specifically called for in this specification or not.
2. Furnish hardware that conforms to all applicable state and local building codes, including IBC 2009 positive pressure testing requirements. Where specified hardware is not in conformance with applicable codes, such omission or error should be directed to the Architect prior to the bid date for clarification by addendum; otherwise furnish hardware as required by code.

**C.** Training and Inspection:

1. Hold pre-installation meeting to coordinate training of installation personnel. Installers shall be trained by manufacturer's representative.
2. Manufacturer's representative shall inspect installation of hardware as part of substantial completion requirements.

## 1.07 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle in accordance with Division One. Mark each original container with a door number that corresponds to the approved hardware schedule for the installation location.
- B. Receive, inventory and store hardware in a secure and dry environment; protect against loss and damage.
- C. Report any shortages to the hardware supplier no later than 48 hours after receipt of delivery to the job site.
- D. Stockpile items sufficiently in advance to ensure their availability. Coordinate delivery, handling, and installation of hardware items to ensure orderly progress of total work, and minimize or eliminate losses and damage.

## PART 2: PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURERS

<u>Products</u>	<u>Specified</u>	<u>Acceptable</u>
Hinges	PBB	Stanley, McKinney, Hager, IVES
Flush Bolts	Rockwood	DCI, Trimco, Ives
Locks and Latches	MBS	NO SUB
Wireless Locks	Schlage	
Push/Pull Latches	Rockwood	Trimco, Burns, Hager
Exit Devices	VONDUPRIN	NO SUB
Door Closers	LCN	NO SUB
Low Energy Automatic Operators	LCN	
Protective Plates	Rockwood	Burns, Hager
Overhead Stops/Holders	ABH	Dorma, Glynn Johnson
Wall Stops/Floor Stops	Rockwood	Trimco, Hager, DCI
Electromagnetic Door Holders	Dorma	LCN, Rixson
Thresholds, Sweeps, Weatherstrip	Reese	National Guard Products, Pemko

### 2.02 HINGES

- A. Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	<u>Ives</u>	<u>Stanley</u>	<u>McKinney</u>	<u>Hager</u>
Std. Wt. Plain Bearing - Steel	5PB1	F179	T2714	1279
Std. Wt. Ball Bearing - Steel	5BB1	FBB179	TA2714	BB1279
Std. Wt. Ball Bearing -non ferrous	5BB1	FBB191	TB2314	BB1191
Hvy. Wt. Ball Bearing Steel	5BB1HW	FBB168	T4B3786	BB1168
Hvy. Wt. Ball Bearing – non ferrous	5BB1HW	FBB179	T4B3386	BB1199

- B. Hinges supplied must be tested and comply with ANSI/BHMA standards for consistency, wear and corrosion resistance.
- C. Quantity: Furnish hinges for each door leaf as follows, unless otherwise noted in groups:
  1. Doors up to and including 90" high - 3 hinges.
  2. Doors over 90" high through 120" high - 4 hinges.

- D.** Type: Furnish as follows, unless otherwise noted in groups:
  - 1. Standard weight, plain bearing hinge for interior openings through 36" wide without a door closer.
  - 2. Standard weight, ball bearing hinge for interior openings over 36" through 40" wide with a door closer, and for interior openings through 40" wide with a door closer.
  - 3. Heavy weight, four ball bearing hinge for all exterior openings unless noted in groups.
- E.** Size: Furnish as follows, unless otherwise noted in groups:
  - 1. 1 3/4" doors: 4-1/2" x 4-1/2"
  - 2. Provide proper hinge width to clear trim and allow full 180° swing.
- F.** Hinges for all lockable doors opening outward shall have non-removable pin (NRP). All other hinges shall have non-rising pins.

## 2.03 FLUSH BOLTS

- A.** Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	<u>Rockwood</u>	<u>Ives</u>	<u>Trimco</u>	<u>DCI</u>
Manual - Metal Door	555	FB458	3917	780F
Manual - Wood Door	557	FB358	3913	790F
Automatic - Metal Door	1842	FB31P	3810	842
Automatic - Wood Door	1962	-----	----	962
Self Latching - Metal Door	1845	FB51P	3820	845
Self Latching - Wood Door	1945	FB61P	3825	945
Dust Proof Strike	570	DP2	3911	82

- B.** Furnish a dustproof strike for all bottom bolts.

## 2.04 LOCKS AND LATCHES-SEE HARDW GROUPS

- A.** Acceptable manufacturers and respective catalog numbers:

<u>Description</u>
Heavy Duty Mortise
Hvy. Duty Grade 1 Cylindrical

- B.** Furnish lock types and functions as specified in the hardware schedule, and as follows:
  - 1. Provide 2-3/4" backset.
  - 2. Provide 2-3/4" x 1-1/8" "T" strike with a dust box for use in wood doors or frames.
  - 3. Provide 4-7/8" x 1-1/4" ANSI strike for installation in a hollow metal door or frame.
  - 4. Locksets to conform to ANSI A156.2, Series 4000, Grade 1 and be UL listed.

## 2.05 EXIT DEVICES-SEE HRDW GROUPS

- A.** Acceptable manufacturers and respective catalog numbers:
- B.** Furnish exit device types and functions as specified in the hardware schedule.
- C.** Lever handles supplied with exit devices shall match the design specified for locks and

latches.

## **2.06 PULLS, PUSHBARS, PUSH/PULL PLATES-SEE HARDW GROUPS**

**A.** Acceptable manufacturers and respective catalog numbers:

Description

**B.** Supply product as listed in groups or equal to acceptable manufacturers..

## **2.07 DOOR CLOSERS**

**A.** Acceptable manufacturers and respective catalog numbers:

Description

**B.** Furnish complete with mounting brackets, drop plates, spacers, special shoes, and thru bolts as may be required by the door and frame conditions.

## **2.08 LOW ENERGY AUTOMATIC OPERATORS**

**A.** Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	
Operator - Push Side	LCN 9542
Operator - Pull Side	9531
Hard Wired Wall Switch	SEE GROUPS
Wireless Wall Switch	
Wireless Receiver	

Other approved operator manufacturer's: Tormax, Record 8100 Series.

**B.** Provide arms, mounting plates, sizes, stops, and any component that may be necessary to interface with electrified hardware that are required for complete and proper operation of the openings affected. Completed installation must meet or exceed requirements of ANSI A159.19.

**C.** Provide actuators as detailed in groups.

**D.** Conduit, electrical back boxes, wiring, and 120 VAC input power by Division 16 - Electrical.

## **2.09 PROTECTIVE PLATES**

**A.** Acceptable manufacturers: Rockwood, Trimco, Burns, Hager.

**B.** All kickplate heights shall be as listed in groups and 2" less door width single doors and 1" less for pairs.

**C.** Thickness shall be .050" (16 gauge).

## 2.10 OVERHEAD STOPS/HOLDERS

A. Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	<u>A.B.H.</u>	<u>Dorma</u>	<u>Glynn Johnson</u>
Heavy Duty Surface	9000	900	90
Heavy Duty Concealed	1000	910	100
Standard Duty Surface	4400	700	450
Standard Duty Concealed	4000	710	410

B. Furnish an overhead stop if a door opens against equipment, casework, sidelights, or other objects that would make wall bumpers inappropriate, and as specified in the hardware groups.

## 2.11 WALL STOPS-SEE GROUPS

A. Acceptable manufacturers and respective catalog numbers:

<u>Description</u>
Wrought Convex Wall
Wrought Concave w/Toggle

B. When "wall stop" is called for in hardware group, provide 407 or 409. When overhead stops are required, they will be specified by product number in the group.

C. Wall stops shall not be mounted to casework, cabinet work, sidelights, or equipment.

## 2.12 ELECTROMAGNETIC DOOR HOLDERS

A. Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	<u>LCN</u>	<u>Rixson</u>
Floor Mounted - Single	SEM7820	FM980
Floor Mounted - Double	---	FM981
Flush Wall Mount - Std. Catch Plate	SEM7850	FM998
Surface Wall Mount	SEM7830	FM996

B. Provide the voltage as required by electrical.

## 2.13 THRESHOLDS, SWEEPS, WEATHERSTRIP, DRIP CAPS, GASKET, ASTRAGALS

A. Acceptable manufacturers and respective catalog numbers:

<u>Description</u>	<u>Reese</u>	<u>Pemko</u>	<u>National Guard</u>
Threshold	S205	171A	425A
Sweep	323	315N	200N
Sweep	967	18133CP	OV633
Weatherstrip	970	45100CP	603
Weatherstrip	DS78	315CR	130N
Gasket	797B	S88	1010

B. Where specified in groups, furnish the above products unless otherwise detailed.

## **2.14 DOOR HARDWARE FINISHES**

A. Unless indicated otherwise in the groups provide finishes as follows:

1. Hinges, exterior:	US32D
2. Hinges, interior:	US26D
3. Flush Bolts:	US26D
4. Exit Devices:	US32D
5. Locks and Latches:	US26D
6. Pulls, Pushbars, Push/Pull:	US32D
7. Door Closers:	Painted Aluminum
8. Low Energy Automatic Operators:	Painted Aluminum
9. Protective Plates:	US32D
10. Overhead Stops:	Painted Aluminum
11. Wall Stops:	US32D
12. Gasket:	Black
13. Thresholds:	Mill Aluminum
14. Weatherstrip, Sweeps:	Clear Anodized Aluminum

## **2.15 KEYING**

A. The Hardware Supplier, in consultation with the Owner's authorized representative, shall prepare a detailed keying schedule. A copy of the final approved keying schedule bearing the signature of approval of the Owner's Representative shall be filed with the Architect. All locks shall be keyed into the same system as is used on the existing building. SFIC MARSHAL BEST

B. Key locks in sets or subsets, master key and grand master key as directed by Owner.

C. Furnish the required number of keys for each keyed group in quantity as directed by the Owner.

D. Grand master and master keys shall be delivered by registered mail direct from the manufacturer to the Owner.

## **PART 3: EXECUTION**

### **3.01 EXAMINATION**

A. Examine doors, frames, and related items for conditions that would prevent the proper application of finish hardware. Do not proceed until defects are corrected.

### **3.02 INSTALLATION**

A. Install each hardware item in strict compliance with the manufacturer's printed instructions and recommendations, using only fasteners supplied by, or called for by the manufacturer.

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

C. Mortise and cut to close tolerance and conceal evidence of cutting in the finished work. Drill and countersink units which are not factory prepared for anchorage fasteners.

- D. If manufacturer's instructions do not call out a mounting location, refer to the Door and Hardware Institute's publication *Recommended Locations for Architectural Hardware*.
- E. Deliver to the Owner one (1) complete set of installation and adjustment instructions, as well as all tools that were furnished with the hardware.

### 3.03 ADJUSTMENT AND CLEANING

- A. At final completion, adjust and check each operating item of hardware at each door to ensure proper operation and function of every unit. Lubricate any moving parts that do not operate freely, smoothly, and quietly using only lubricant as recommended by the manufacturer of the hardware item. Replace units that cannot be adjusted or lubricated to operate properly.
- B. Instruct the Owner's personnel in the proper adjustments of the hardware as needed.
- C. Clean and restore hardware to the original finish.

### 3.04 HARDWARE SCHEDULE

#### END OF SECTION 08 71 00

#### WTC RESIDENCE HALL REMODEL 4<sup>TH</sup> THRU 6<sup>TH</sup> FLOORS

HARDWARE GROUP 1  
EACH SINGLE DOOR TO HAVE  
DR. 411,413,511,513,605,607

3 EA	BUTTS	5BB1 4.5 X 4.5 652	IVES
1 EA	STORERM LOCK	MB1-3-05-15D 626	MBS
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	SMOKE GASKET	F797B17	REESE

THESE OPENINGS HAVE 1-3/4 DRS WITH WELDED CURRIES FRAMES.

HARDWARE GROUP 2  
EACH SINGLE DOOR TO HAVE  
DR. 4S1,4S2,5S1,5S2,6S1,6S2

3 EA	BUTTS	5BB1 4.5 X 4.5 652	IVES
1 EA	PASSAGE LOCK	MB1-3-30-15D 626	MBS
1 EA	CLOSER	4040XP REG 689	LCN
1 EA	SMOKE GASKET	F797B17	REESE

THESE OPENINGS HAVE 1-3/4 DRS WITH WELDED CURRIES FRAMES.

HARDWARE GROUP 3  
EACH SINGLE DOOR TO HAVE  
DR. A(24 EACH AT FLOORS 4,5,6)

3 EA	BUTTS	5BB1 4.5 X 4.5 652	IVES
1 EA	MOBILE ENABLED LOCK	NDESI-B-RHO-626(BY OWNER)	SCHLAGE
1 EA	SFIC CORE	MBS-IC-7- 626	MBS
1 EA	CLOSER	1250 RWPA 689	LCN
1 EA	SMOKE GASKET	F797B17	REESE

GATEWAYS NOT NEEDED FOR ALL LOCKS, EACH GATEWAY CAN DO 8-10 LOCKS  
BASED ON GATEWAY LOCATION SEE PLAN LAYOUT FOR QTY OF GATEWAYS REQ.

THESE DOORS ARE 1-3/4 THICK CURRENTLY IN TIMELY/REDI FRAMES.

HARDWARE GROUP 3A  
EACH SINGLE DOOR TO HAVE  
DR. A(22 EACH AT FLOORS 1,2,3)

1 EA	MOBILE ENABLED LOCK	NDESI-B-RHO-626(BY OWNER)	SCHLAGE
1 EA	SFIC CORE	MBS-IC-7- 626	MBS

GATEWAYS NOT NEEDED FOR ALL LOCKS, EACH GATEWAY CAN DO 8-10 LOCKS  
BASED ON GATEWAY LOCATION SEE PLAN LAYOUT FOR QTY OF GATEWAYS REQ.

THESE DOORS ARE 1-3/4 THICK CURRENTLY IN TIMELY/REDI FRAMES.

HARDWARE GROUP 4  
EACH SINGLE DOOR TO HAVE  
DR.B(48EA),C(45EA)

3 EA	BUTTS	5BB1 3.5 X 3.5 RADIUS 652	IVES
1 EA	PRIVACY LOCK	MB1-3-20-15D 626	MBS
1 EA	REUSE ALL OTHER FRAME, AND HARDWARE		

THESE OPENINGS HAVE 1-3/8 DOORS ON THEM CURRENTLY, IF FRAMES TO BE  
CHANGED OUT TO CURRIES KNOCKDOWN FRAMES AND 1-3/4 THICK DOORS REVISE  
HINGES ABOVE TO 4.5 X 4.5 SQ CORNER

HARDWARE GROUP 5  
EACH SINGLE DOOR TO HAVE  
DR.D(27EA)

3 EA	BUTTS	5BB1 3.5 X 3.5 RADIUS 652	IVES
1 EA	STORERM LOCK	MB1-3-05-15D 626	MBS
1 EA	REUSE ALL OTHER FRAME, AND HARDWARE		

THESE OPENINGS HAVE 1-3/8 DOORS ON THEM CURRENTLY, IF FRAMES TO BE  
CHANGED OUT TO CURRIES KNOCKDOWN FRAMES AND 1-3/4 THICK DOORS REVISE  
HINGES ABOVE TO 4.5 X 4.5 SQ CORNER

HARDWARE GROUP 6  
EACH SINGLE DOOR TO HAVE  
DR.EXISTING STOREFRONT INTERIOR AND EXTERIOR MAIN OPENINGS

2 EA	AUTO OPERATORS	9542 36" HDR 628	LCN
2 EA	MOUNTING PLATES	9540-18 78" 628	LCN

HARDWARE GROUP 7  
EACH SINGLE DOOR TO HAVE  
DR.404A,504A

3 EA	BUTTS	5BB1 4.5 X 4.5 652	IVES
1 EA	STORERM LOCK	MB1-3-05-15D 626	MBS
1 EA	AUTO OPERATOR	9530 36" HDR 628	LCN
1 EA	ACTUATORS	8310-856T	LCN
1 EA	ELECTRIC STRIKE	6211 US32D	VONDUPRIN
1 EA	SMOKE GASKET	F797B17	
REESE			

AUTO OPERATOR ON OUTSIDE OF ROOM IS CONTROLLED BY CARD READER

HARDWARE GROUP 8  
EACH SINGLE DOOR TO HAVE  
DR.103A

3 EA	BUTTS	5BB1 4.5 X 4.5 652	IVES
1 EA	STORERM LOCK	MB1-3-05-15D 626	MBS
1 EA	ELECTRIC STRIKE	6211 US32D	VONDUPRIN

CARD READER UNLOCKS ELEC STRIKE AND OPENS DOOR, THIS ROOM ALREADY HAS  
AUTO OPERATOR ON DOOR SO JUST INTEGRATING CARD ACCESS TO THIS OPENING.

**END OF SECTION 08 71 00**

**SECTION 08 88 13**  
**FIRE-RATED GLAZING**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Fire-rated glazing units.

**1.02 RELATED REQUIREMENTS**

- A. Applicable provisions of Division 1 govern work under this Section.

**1.03 REFERENCE STANDARDS**

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.
- B. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2025.
- C. GANA (GM) - GANA Glazing Manual; 2022.
- D. GANA (SM) - GANA Sealant Manual; 2008.
- E. IGMA TM-3000 - North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use; 1990 (Reaffirmed 2016).
- F. ITS (DIR) - Directory of Listed Products; Current Edition.
- G. NGA (LGRM) - Laminated Glazing Reference Manual; 2019.
- H. UL (DIR) - Online Certifications Directory; Current Edition.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements for procedures.
- B. Provide submittal transmittals that include all submittal items identified in each submittal group below.
- C. Review Submittals - Preparatory:
  1. Product Data on Glazing Unit Glazing Types: Provide structural, physical, and environmental characteristics, size limitations, special handling and installation requirements.
  2. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.
- D. Closeout Submittals:
  1. See Section 01 78 00 - Closeout Submittals for additional information regarding documenting warranties.
  2. Warranty Documentation: Submit documentation of manufacturer's warranty that acknowledges the requirements defined in this section.
    - a. Provide procurement information including date(s) of procurement, identification of suppliers and contractors involved in the procurement.
    - b. Provide manufacturer certification of the warranty that is executed in the Owner's name.

**1.05 QUALITY ASSURANCE**

- A. Perform work in accordance with GANA (GM), GANA (SM), IGMA TM-3000, and NGA (LGRM) for glazing installation methods. Maintain one copy on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- C. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.

## **1.06 FIELD CONDITIONS**

- A. Ambient Conditions: Do not install glazing when ambient temperature is less than 40 degrees F.
- B. Maintain minimum ambient temperature before, during, and 24 hours after installation of glazing compounds.

## **1.07 WARRANTY**

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Section Specific Warranty: Provide manufacturer's standard warranty as described in this section. Document the warranty as defined under the Submittals heading of this section.

# **PART 2 PRODUCTS**

## **2.01 GLASS MATERIALS**

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.

## **2.02 GLAZING UNITS**

- A. Type GLT-25 - Fire-Resistance-Rated Glazing: Type, thickness, and configuration of glazing that contains flame, smoke, and blocks radiant heat, as required to achieve indicated fire rating period exceeding 45 minutes.
  - 1. Applications: Stairway doors with glazed lites as indicated.
  - 2. Provide products listed by ITS (DIR) or UL (DIR) and approved by authorities having jurisdiction.
  - 3. Safety Glazing Certification: 16 CFR 1201 Category II.
  - 4. Fire Rating Period: As indicated on drawings.

# **PART 3 EXECUTION**

## **3.01 EXAMINATION**

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

## **3.02 PREPARATION**

- A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

## **3.03 INSTALLATION - GENERAL**

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers unless more stringent requirements are indicated, including those in referenced glazing standards.
- B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.
- C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.
- F. Prevent glass from contact with contaminating substances that may result from construction operations including, but not limited to weld spatter, fire-safing, plastering, mortar droppings, etc.

### **3.04 PROTECTION**

- A. After installation, mark pane with 'X' by using removable plastic tape or paste; do not mark heat-absorbing or reflective glass units.
- B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

**END OF SECTION**

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# WESTERN TECHNICAL COLLEGE

## RESIDENCE HALL PHASE 1 RENOVATION

### 820 LA CROSSE STREET

### LA CROSSE, WI 54601

Western  
Technical College  
THE ESSENTIAL EXPERIENCE

25040

DECEMBER 2025

BID DOCUMENTS

#### INDEX OF DRAWINGS

PROJECT TEAM	
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GENERAL	
G000	COVER SHEET
G002	ADA MOUNTING HEIGHTS

ARCHITECTURAL	
AD104	4TH FLOOR DEMOLITION PLAN
AD105	5TH FLOOR DEMOLITION PLAN
AD106	6TH FLOOR DEMOLITION PLAN
A104	4TH FLOOR PLAN
A105	5TH FLOOR PLAN
A106	6TH FLOOR PLAN
A200	BUILDING ELEVATIONS
A210	CASEWORK ELEVATIONS
A211	CASEWORK DETAILS
A400	ENLARGED PLANS
A601	DOOR SCHEDULE

PLUMBING	
P001	PLUMBING TITLE SHEET
P104	4TH FLOOR PLUMBING PLAN
P105	5TH FLOOR PLUMBING PLAN
P106	6TH FLOOR PLUMBING PLAN
PD104	4TH FLOOR DEMOLITION PLAN
PD105	5TH FLOOR DEMOLITION PLAN
PD106	6TH FLOOR DEMOLITION PLAN

MECHANICAL	
M001	HVAC GENERAL INFO SHEET
M094	4TH FLOOR DEMOLITION PLAN
M095	5TH FLOOR DEMOLITION PLAN
M096	6TH FLOOR DEMOLITION PLAN
M104	4TH FLOOR PLAN
M105	5TH FLOOR PLAN
M106	6TH FLOOR PLAN
M600	HVAC SCHEDULES

ELECTRICAL	
ED104	4TH FLOOR LIGHTING- DEMO PLAN
ED105	5TH FLOOR LIGHTING- DEMO PLAN
ED106	6TH FLOOR LIGHTING- DEMO PLAN
ED204	4TH FLOOR POWER- DEMO PLAN
ED205	5TH FLOOR POWER- DEMO PLAN
ED206	6TH FLOOR POWER- DEMO PLAN
ED100	LOWER LEVEL LIGHTING- DEMO PLAN
FD101	1ST FLOOR LIGHTING- DEMO PLAN
FD104	4TH FLOOR FIRE ALARM- DEMO PLAN
FD105	5TH FLOOR FIRE ALARM- DEMO PLAN
FD106	6TH FLOOR FIRE ALARM- DEMO PLAN
E001	ELECTRICAL SYMBOLS, NOTES, ABBREVIATIONS
E002	ELECTRICAL NOTES AND SCHEDULES
E104	4TH FLOOR LIGHTING PLAN
E105	5TH FLOOR LIGHTING PLAN
E106	6TH FLOOR LIGHTING PLAN
E204	4TH FLOOR POWER PLAN
E205	5TH FLOOR POWER PLAN
E206	6TH FLOOR POWER PLAN
E300	ALL FLOOR EXIT ACCESS PLAN
E500	ENLARGED LIGHTING, UNIT TYPES "A" & "B"
E501	ENLARGED LIGHTING, UNIT TYPES "C" & "D"
F400	LOWER LEVEL FIRE ALARM PLAN
FA101	1ST FLOOR FIRE ALARM
FA104	4TH FLOOR FIRE ALARM
FA105	5TH FLOOR FIRE ALARM
FA106	6TH FLOOR FIRE ALARM

PROJECT LOCATION:  
820 LA CROSSE STREET  
LA CROSSE, WI 54601



CITY MAP  
SITE LOCATION MAP

WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION  
COVER SHEET

Project Title: WESTERN TECHNICAL COLLEGE  
Project Location: 820 LA CROSSE STREET  
LA CROSSE, WI 54601  
Sheet Title: COVER SHEET

Project Number: 25040

Project Date: DECEMBER 2025

Drawn By: MPL

Key Plan:

BID SET

Revisions:  
No. Description Date  
A02 Addendum 02 01/07/26

Graphic Scale: VARIES

Last Update: 1/8/2026 11:36:55 AM

G000

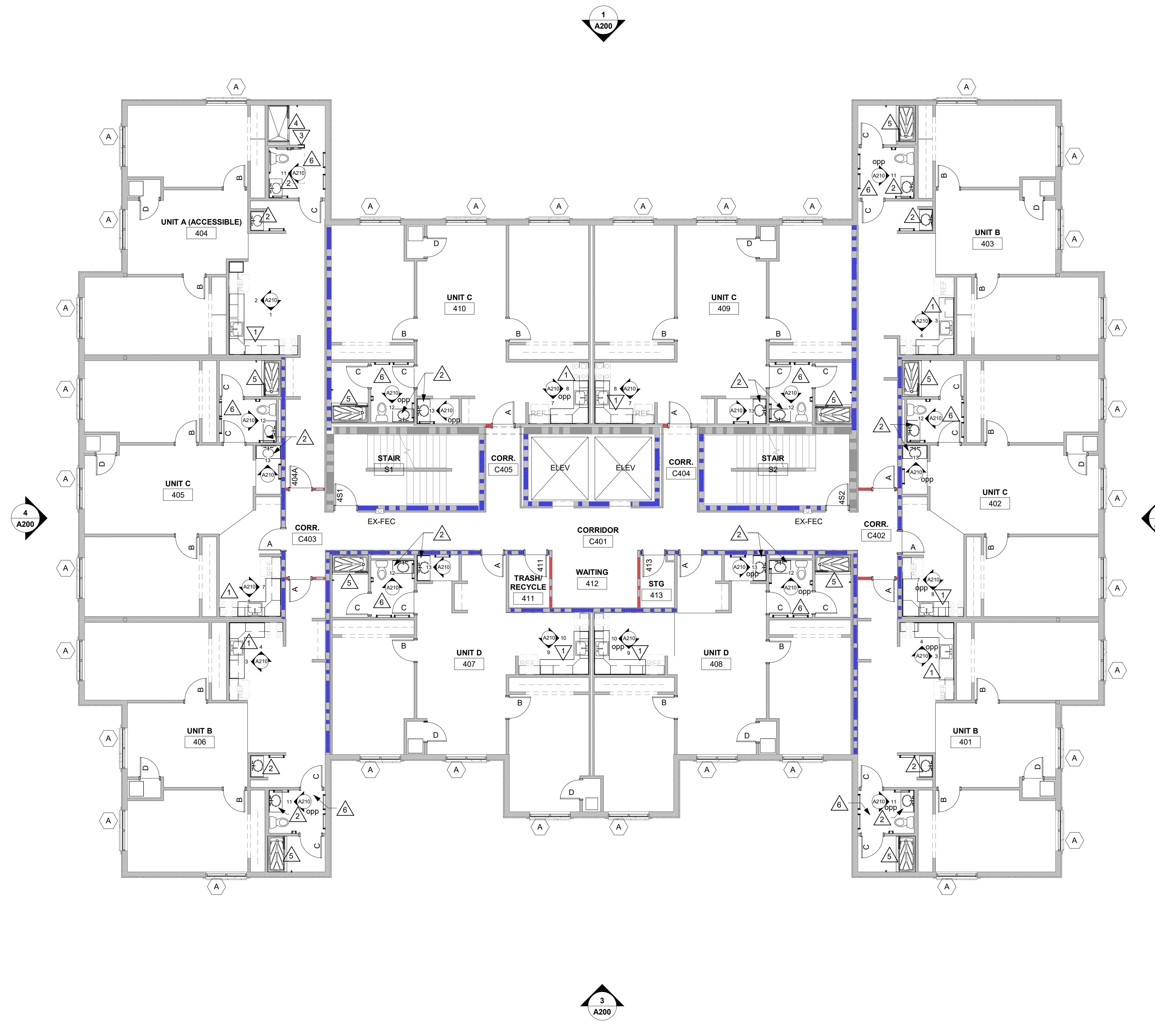
ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN  
  
HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION**

Project Location: 820 LA CROSSE STREET  
LA CROSSE, WI 54601

Sheet Title: 4TH FLOOR PLAN



**1 4TH FLOOR PLAN**  
1/8" = 1'-0"

PLAN GENERAL NOTES:			
A.	REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIONS ROUTES.		
B.	SEE ID SHEETS FOR FLOOR FINISH LAYOUTS.		
C.	LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.		
D.	PAINT ALL NEW AND EXISTING DOOR FRAMES ALIKE. SEE ID		

PLAN LEGEND:			
	SOLID SURFACE COUNTER WITH INTEGRAL SINK.		
	SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET		
	1 HOUR WALL		
	2 HOUR WALL		

KEY NOTES PLAN			
1	NEW PLAM BASE AND WALL CABINETS. SEE SHEET A210.		
2	SOLID SURFACE COUNTER WITH INTEGRAL SINK.		
3	MEASURE FOR EXTENSION TO ALLOW FOR INSTALLATION OF GRAB BAR.		
4	ADA ROLL IN SHOWER PAN. SEE SPEC.		
5	PRE-FAB SHOWER PAN. SEE SPEC.		
6	PROVIDE NEW VINYL FACED CEILING TILE AROUND NEW EXHAUST FM - COORDINATE WITH MECHANICAL.		

Project Title: 25040

Project Date: DECEMBER 2025

Drawn By: MPL/ KH

Key Plan:

**BID SET**

Revisions:

No. Description Date

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Graphic Scale:

VARIES

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**A104**

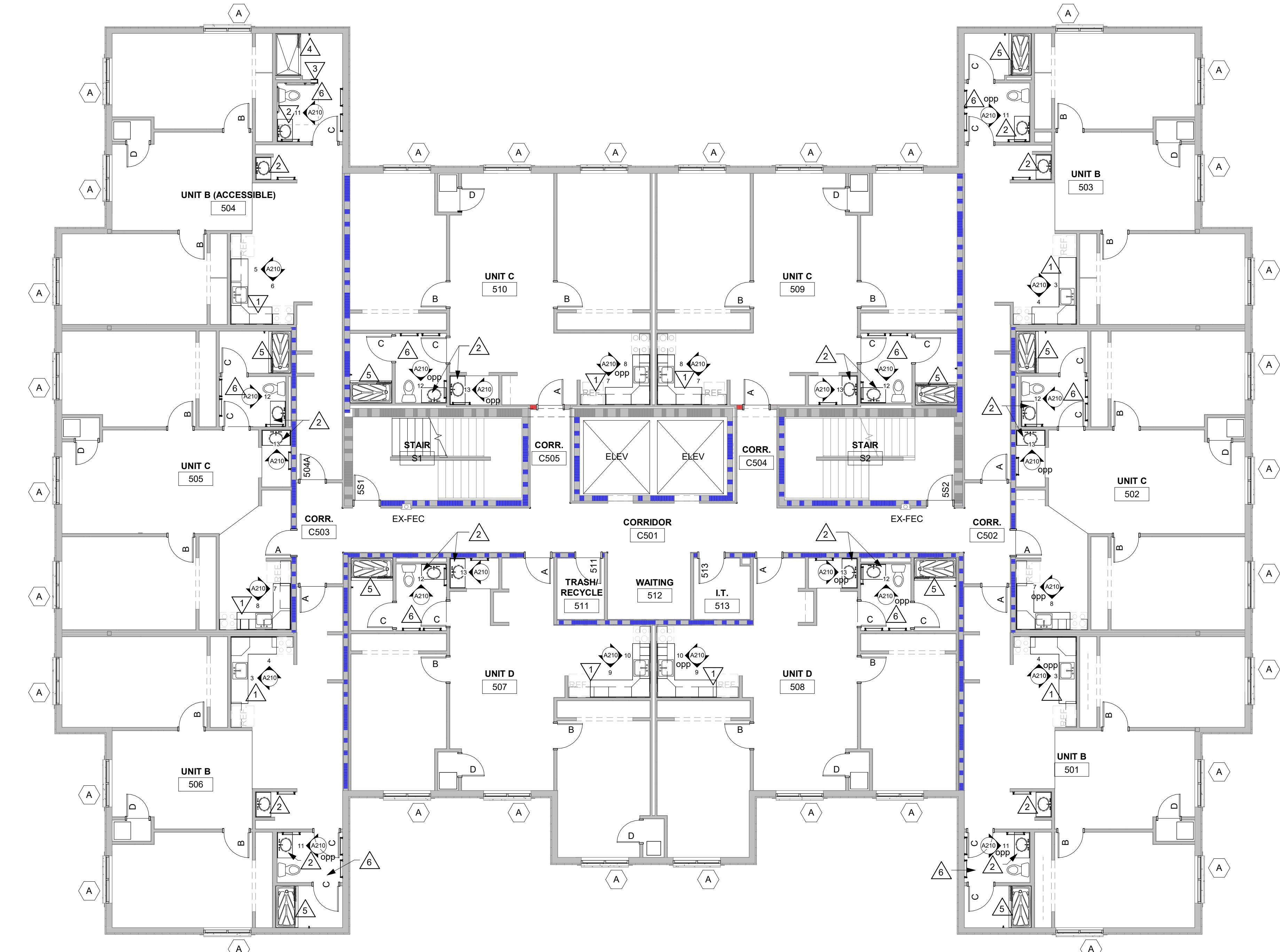
**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION**

Project Location: 820 LA CROSSE STREET  
LA CROSSE, WI 54601

Sheet Title:  
5TH FLOOR PLAN

**1 5TH FLOOR PLAN**

1/8" = 1'-0"



**PLAN GENERAL NOTES:**

- REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
- SEE ID SHEETS FOR FLOOR FINISH LAYOUTS.
- LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- PAINT ALL NEW AND EXISTING DOOR FRAMES ALIKE. SEE ID

**PLAN LEGEND:**

	SOLID SURFACE COUNTER WITH INTEGRAL SINK.
	LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
	PAINT ALL NEW AND EXISTING DOOR FRAMES ALIKE. SEE ID

**KEY NOTES PLAN**

- NEW PLAIN BASE AND WALL CABINETS. SEE SHEET A210.
- SOLID SURFACE COUNTER WITH INTEGRAL SINK.
- MEASURE AND CUT WALL EXTENSION TO ALLOW FOR INSTALLATION OF GRAB BAR.
- ADA ROLL IN SHOWER PAN - SEE SPEC.
- PRE-FAB SHOWER PAN - SEE SPEC.
- PROVIDE NEW VINYL FACED CEILING TILE AROUND NEW EXHAUST FAN - COORDINATE WITH MECHANICAL

Project Title:	25040
HSR Project Number:	
Project Date:	DECEMBER 2025
Drawn By:	MPL/ KH
Key Plan:	

<b>BID SET</b>		

Revisions:	No.	Description	Date
	A02	Addendum 02	01/07/26

Graphic Scale:  
**VARIES**

Last Update:  
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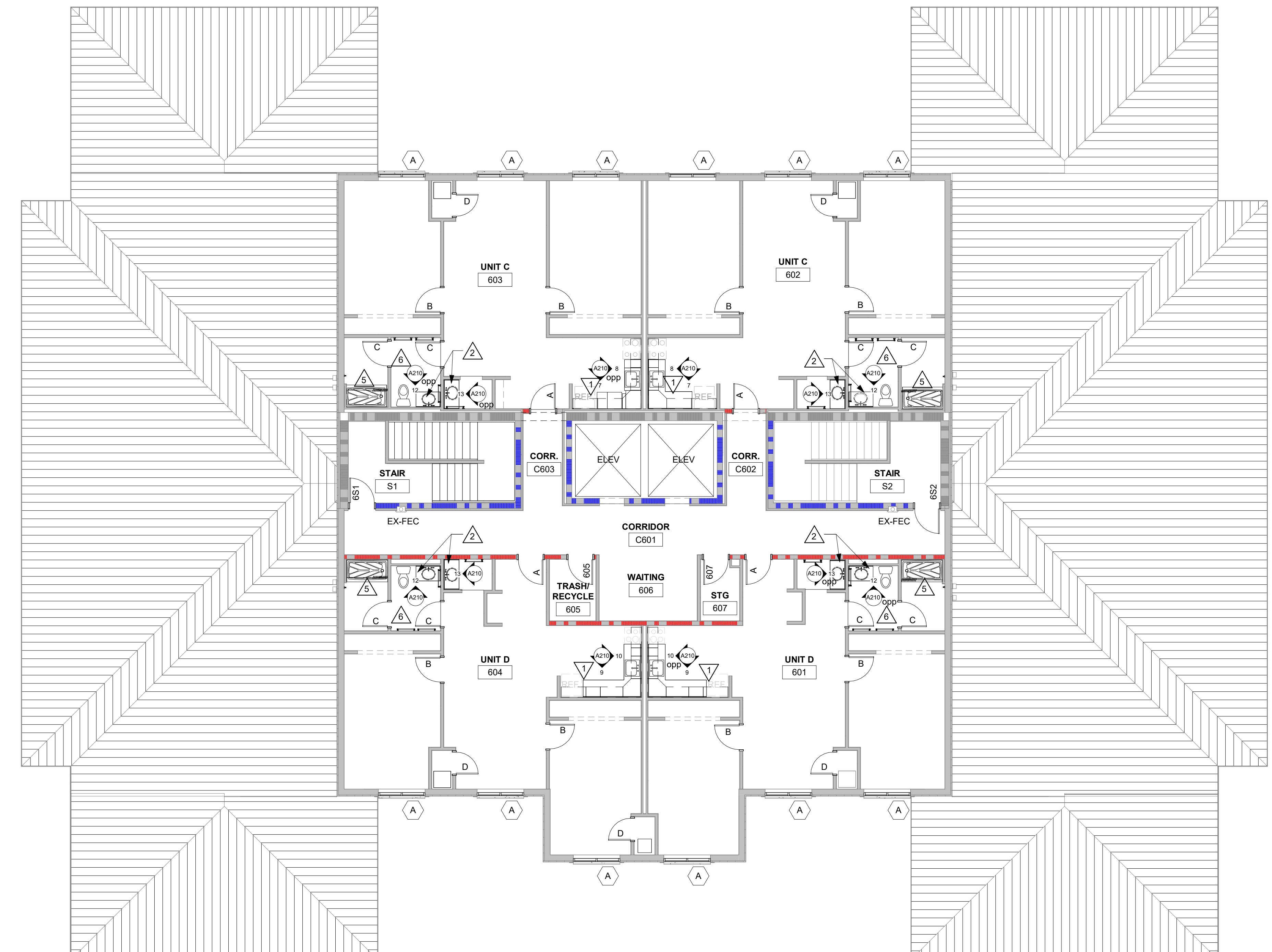
**A105**

PLAN GENERAL NOTES:			
A.	REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIONS ROUTES.		
B.	SEE ID SHEETS FOR FLOOR FINISH LAYOUTS.		
C.	LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.		
D.	PAINT ALL NEW AND EXISTING DOOR FRAMES ALIKE. SEE ID		

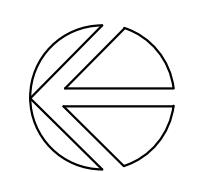
PLAN LEGEND:			
	SYMBOL INDICATES WINDOW TYPE. SEE SHEET A200 FOR WINDOW FRAME ELEVATIONS "ALTERNATE"		
	SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET		
	1 HOUR WALL		
	2 HOUR WALL		

KEY NOTES PLAN			
1	NEW PLAM BASE AND WALL CABINETS. SEE SHEET A210.		
2	SOLID SURFACE COUNTER WITH INTEGRAL SINK.		
3	MEtal STUD AND GYPSUM EXTENSION TO ALLOW FOR INSTALLATION OF GRAB BAR.		
4	ADA ROLL IN SHOWER PAN. SEE SPEC.		
5	PRE-FAB SHOWER PAN. SEE SPEC.		
6	PROVIDE VITREOUS CHINA TILING AROUND NEW EXHAUST FAN - COORDINATE WITH MECHANICAL		

A02



**1** 6TH FLOOR PLAN  
1/8" = 1'-0"



BID SET

Revisions:  
No. Description Date  
A02 Addendum 02 01/07/26

Graphic Scale:  
VARIES

Last Update:  
1/7/2026 1:06:02 PM

**A106**

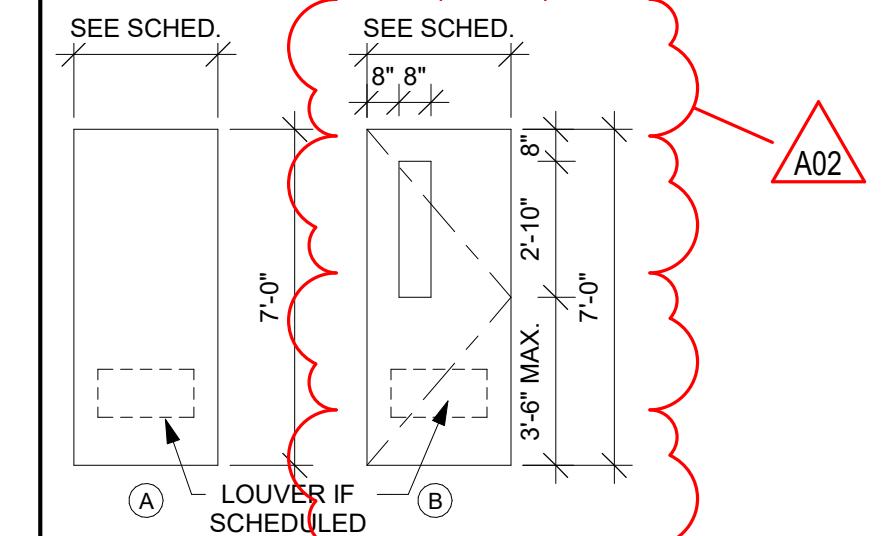
MARK	DOOR SIZE			DOOR MATERIAL	DOOR TYPE	U-CUT OR LOUVER	FRAME TYPE	FIRE LABEL	HDWR GROUP	REMARKS
	W	H	T							
	W	H	T							
4S1	3'-0"	7'-0"	1 3/4"	SCWD	DOOR B		EXISTING - PAINT	90 MIN	2	3.9
4S2	3'-0"	7'-0"	1 3/4"	SCWD	DOOR B		EXISTING - PAINT	90 MIN	2	3.9
5S1	3'-0"	7'-0"	1 3/4"	SCWD	DOOR B		EXISTING - PAINT	90 MIN	2	3.9
5S2	3'-0"	7'-0"	1 3/4"	SCWD	DOOR B		EXISTING - PAINT	90 MIN	2	3.9
6S1	3'-0"	7'-0"	1 3/4"	SCWD	DOOR B		EXISTING - PAINT	90 MIN	2	3.9
6S2	3'-0"	7'-0"	1 3/4"	SCWD	DOOR B		EXISTING - PAINT	90 MIN	2	3.9
10A	3'-0"	7'-0"	1 3/4"	SCWD	DOOR A	FRAME AA	20 MIN	8	8	
10A	3'-0"	7'-0"	1 3/4"	SCWD	DOOR A	FRAME AA	20 MIN	7	17	
111A	6'-0"	6'-10"	1 1/2"	EXISTING	DOOR F		EXISTING		6	2
111B	6'-0"	6'-10"	1 1/2"	EXISTING	DOOR F		EXISTING		6	2
204A	3'-0"	7'-0"	1 3/4"	SCWD	DOOR A	FRAME AA	20 MIN	7	1,7	
304A	3'-0"	7'-0"	1 3/4"	SCWD	DOOR A	FRAME AA	20 MIN	7	1,7	
404A	3'-0"	7'-0"	1 3/4"	SCWD	DOOR A	FRAME AA	20 MIN	7	1,7	
411	3'-0"	7'-0"	1 3/4"	SCWD	DOOR A	EXISTING	PAINT	90 MIN	1	3
413	3'-0"	7'-0"	1 3/4"	SCWD	DOOR A	EXISTING	PAINT	90 MIN	1	3
D	2'-8"	6'-8"	1 3/8"	SCWD	DOOR A	LOUVER	EXISTING - PAINT		5	5.6

#### DOOR SCHEDULE GENERAL NOTES

SCWD = SOLID CORE WOOD DOOR

A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS  
B. ALL HM (HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED

#### DOOR TYPES



#### DOOR SCHEDULE REMARKS

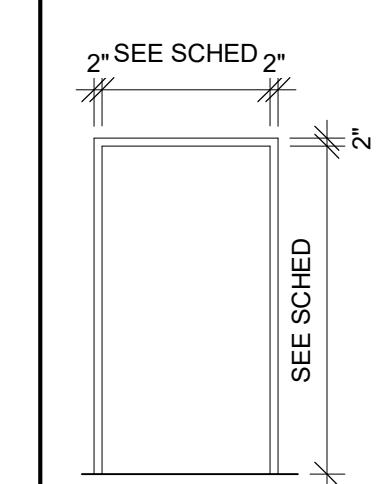
1. ELECTRONIC CARD ACCESS AND ELECTRONIC STRIKE REQUIRED
2. EXISTING DOOR TO HAVE NEW AUTO OPERATOR
3. NEW DOOR AND HARDWARE IN EXISTING FRAME AT FLOORS 4, 5, AND 6.
4. NEW MOBILE ENABLED LOCK AND SFIC CORE AT FLOORS 1,2,3.
5. INTERIOR UNIT DOORS AT FLOORS 4, 5, AND 6.
6. REUSE EXISTING KD FRAME AND PAINT. REINFORCE JAMB. SEE A601.
7. NEW HM FRAME. SEE 40601 - SALVAGE ELECTRIC STRIKE TO OWNER.
8. DOOR REQUIRED FIRE RATED GLAZING - GLT-25 - 90MIN.

#### DOOR FRAME GENERAL NOTES

HM = HOLLOW METAL

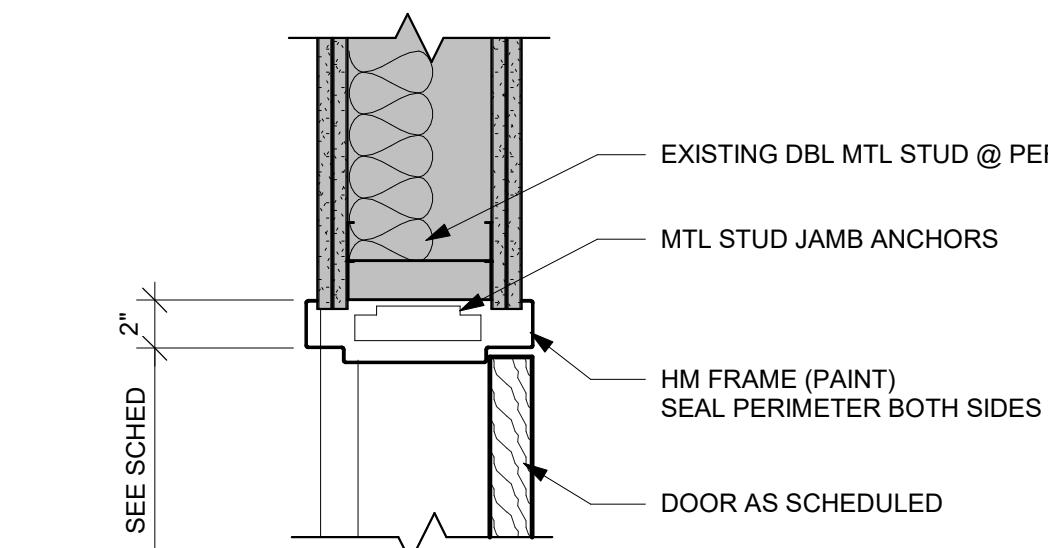
A. SEE SHEET A601 FOR ADDITIONAL FRAME TYPES  
B. ALL HM (HOLLOW METAL) FRAMES SHALL BE PAINTED.

#### DOOR FRAME TYPES



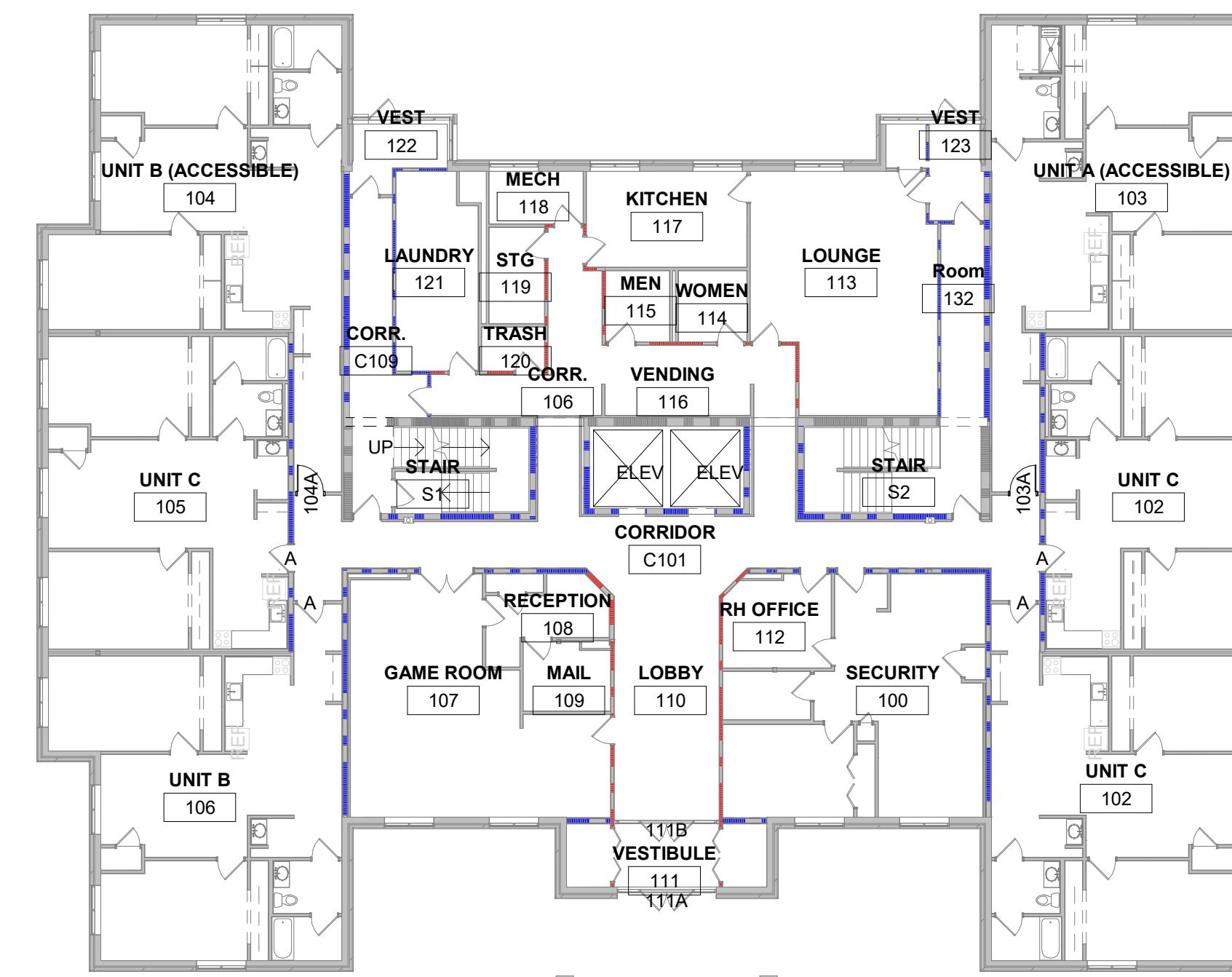
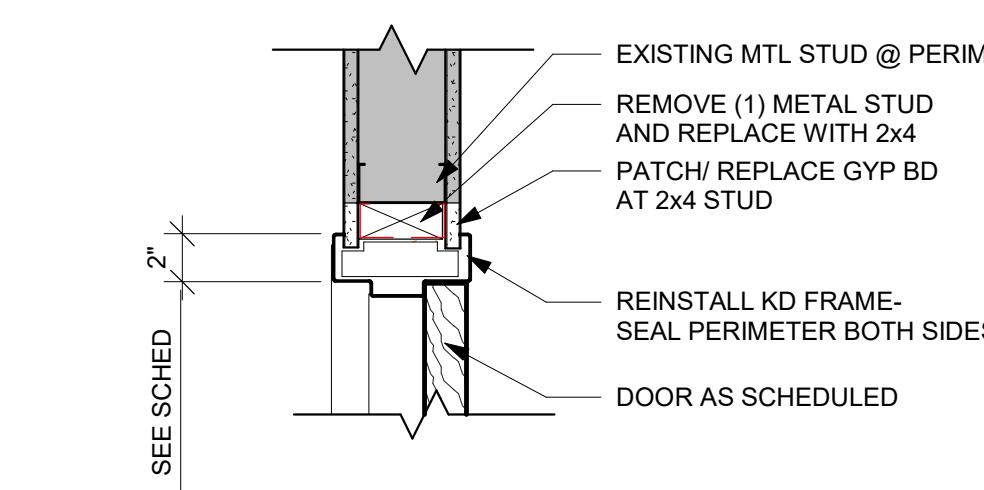
#### 4 DOOR JAMB DETAIL

1 1/2" = 1'-0"



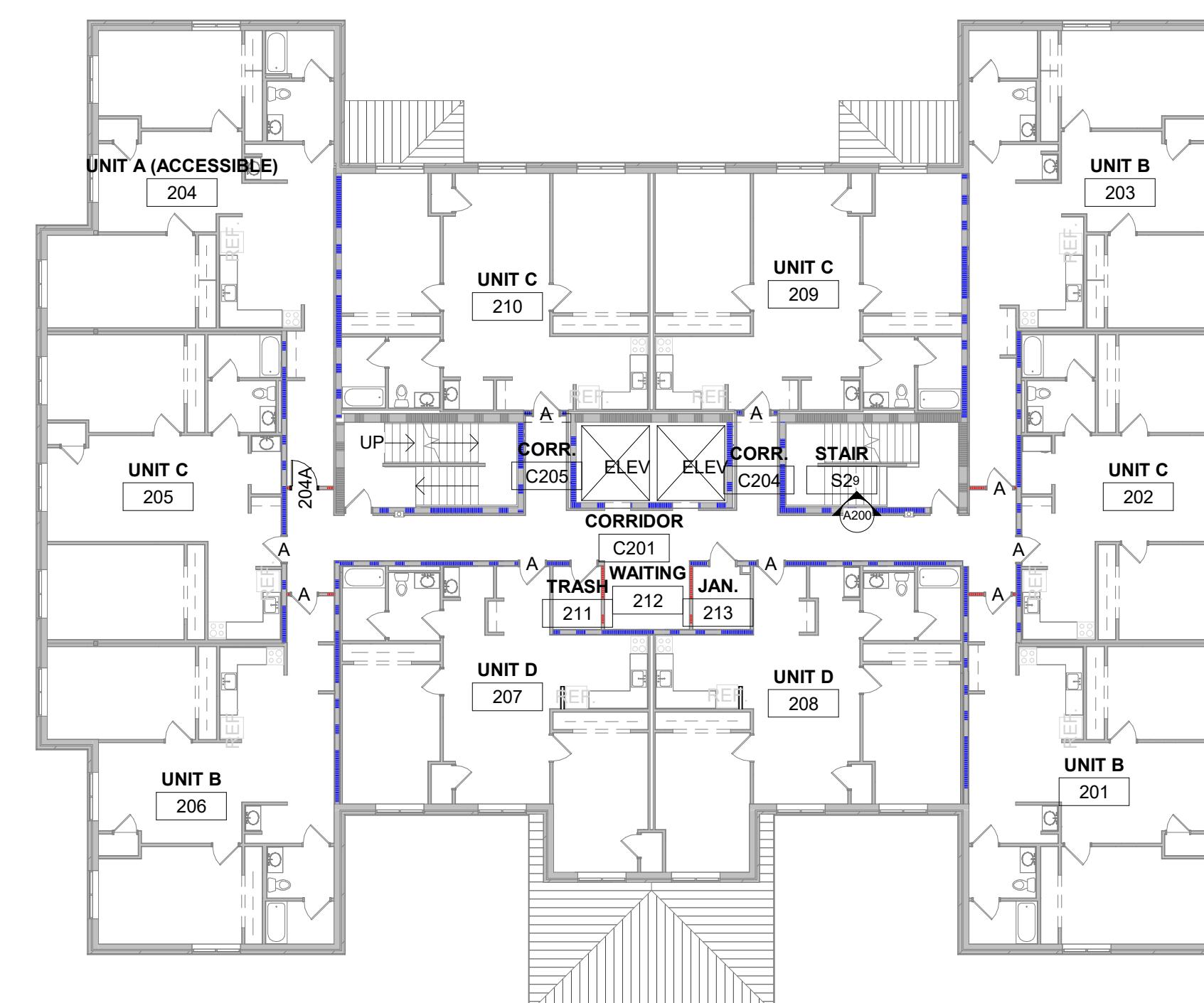
#### 5 DOOR JAMB DETAIL

1 1/2" = 1'-0"



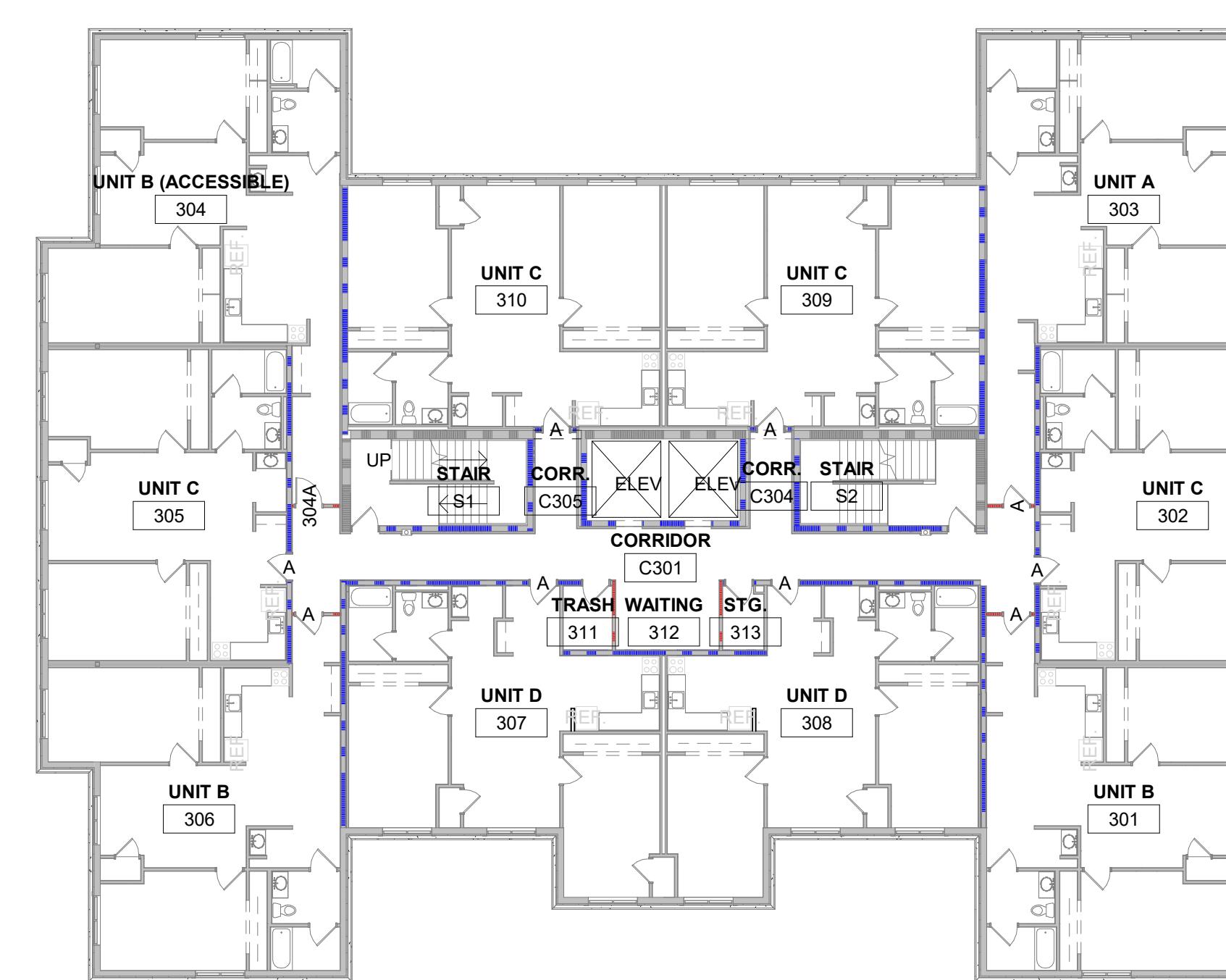
#### 1 FIRST FLOOR PLAN

1/16" = 1'-0"



#### 2 SECOND FLOOR PLAN

1/16" = 1'-0"



#### 3 THIRD FLOOR PLAN

1/16" = 1'-0"



**1 EAST ELEVATION**



**2 SOUTH ELEVATION**

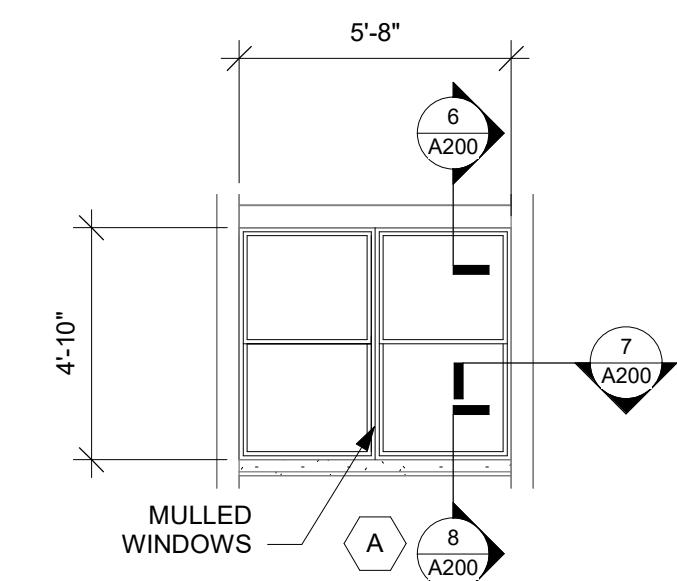
NEW WINDOW PERFORMANCE, TABLE C402.4 (IECC 2021)  
CLIMATE ZONE: 5A  
U-FACTOR: .45  
SHGC: PF < 0.2 = .33  
0.2 < PF < 0.5 = .40  
PF > 0.5 = .53  
  
BASIS OF DESIGN:  
MARVIN ESSENTIAL WINDOW - DOUBLE HUNG OPERABLE  
U-FACTOR: .22  
SHGC: .31



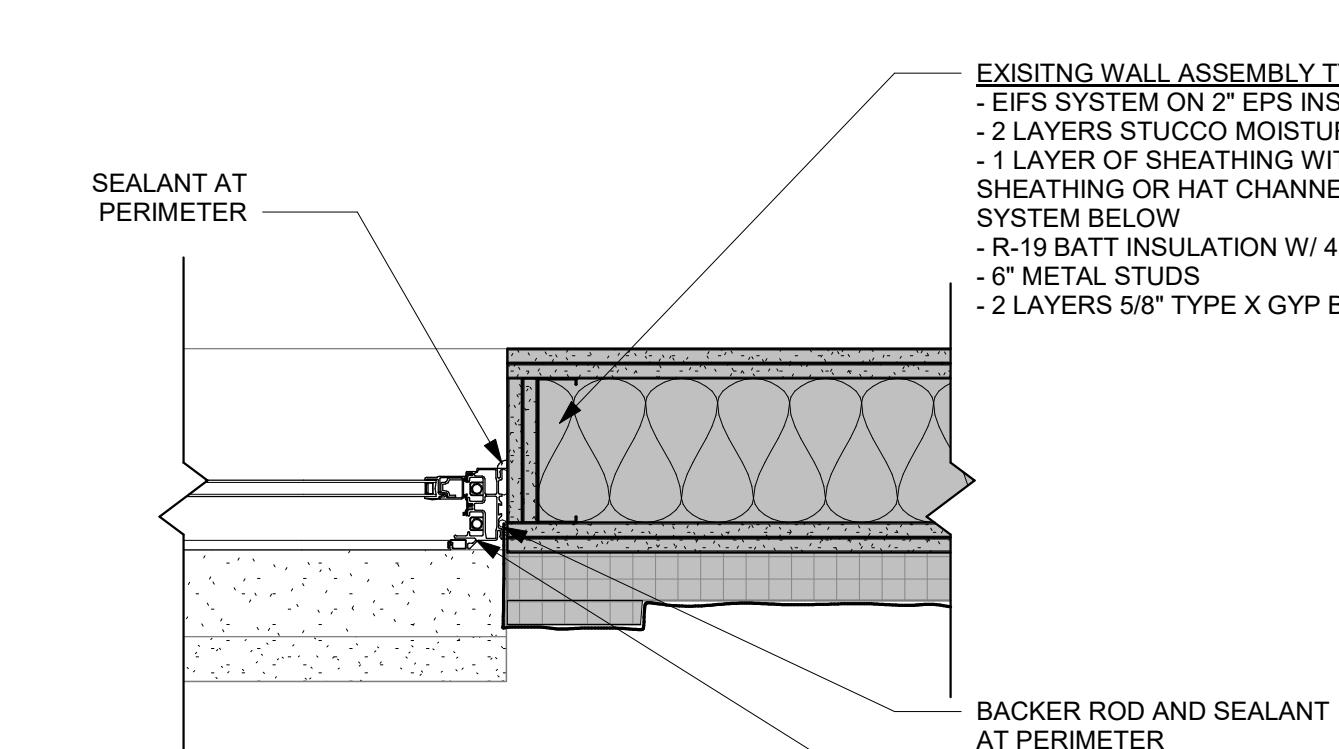
**3 WEST ELEVATION**



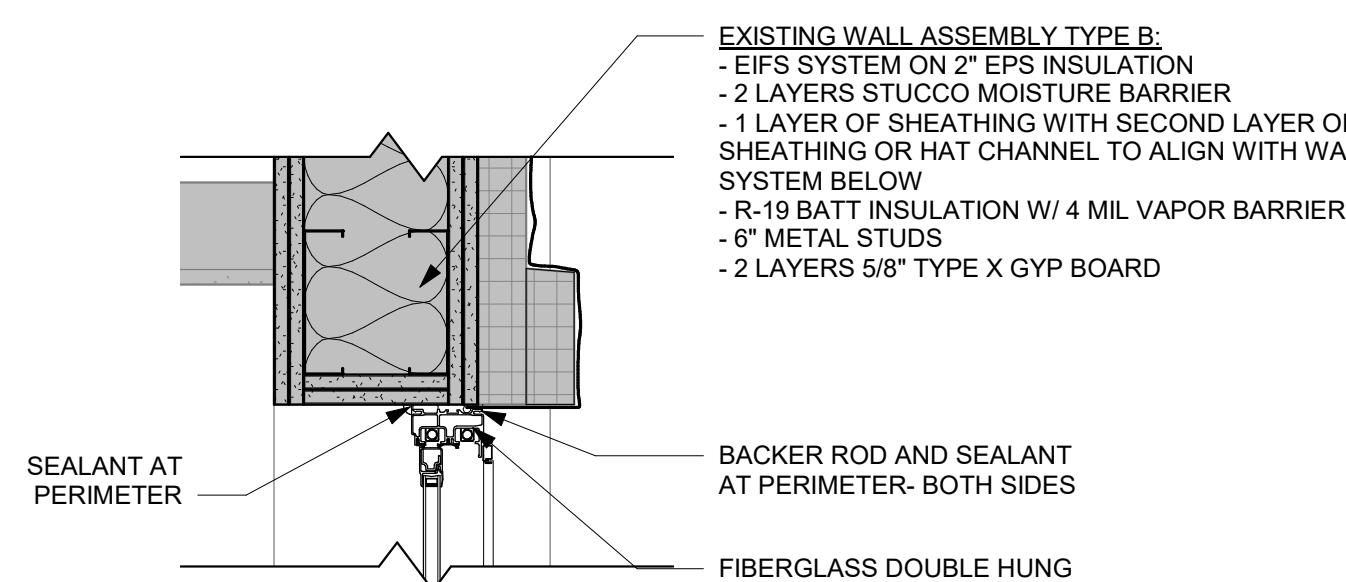
**4 NORTH ELEVATION**



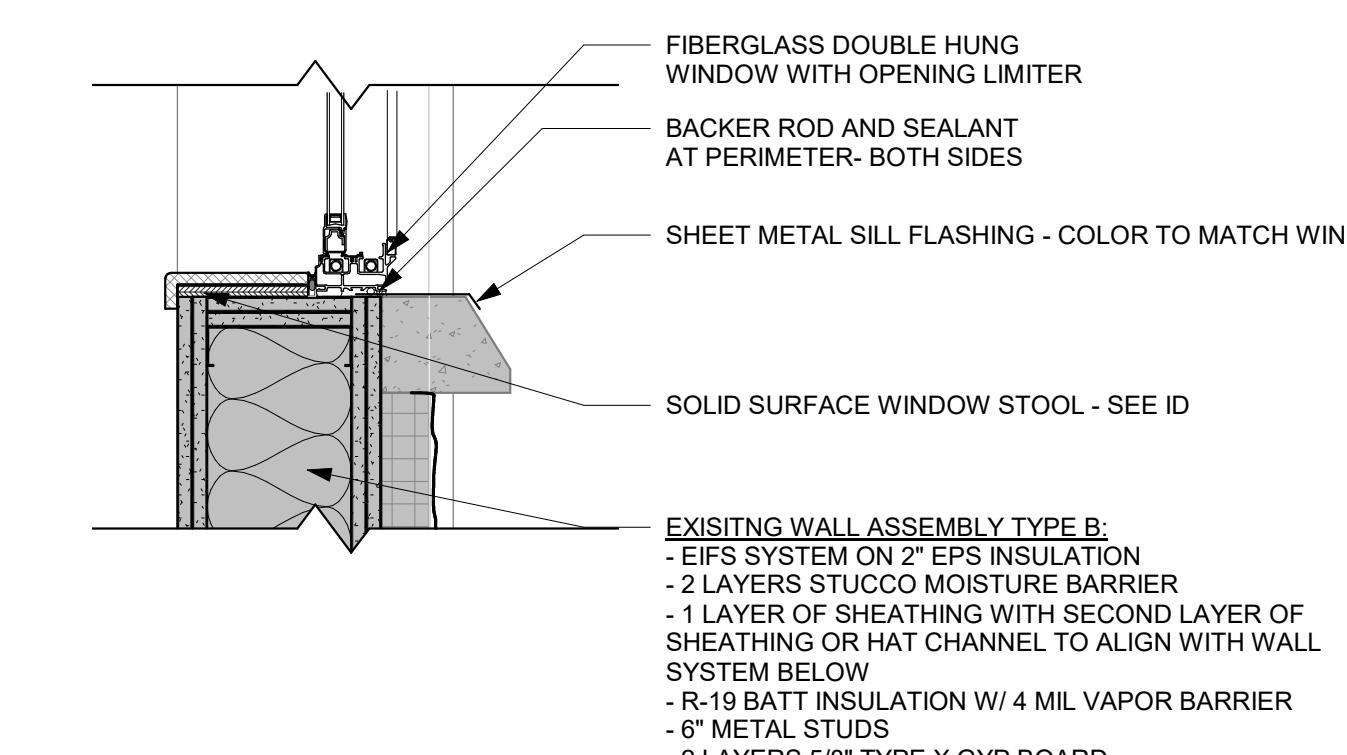
**5 WINDOW ELEV**



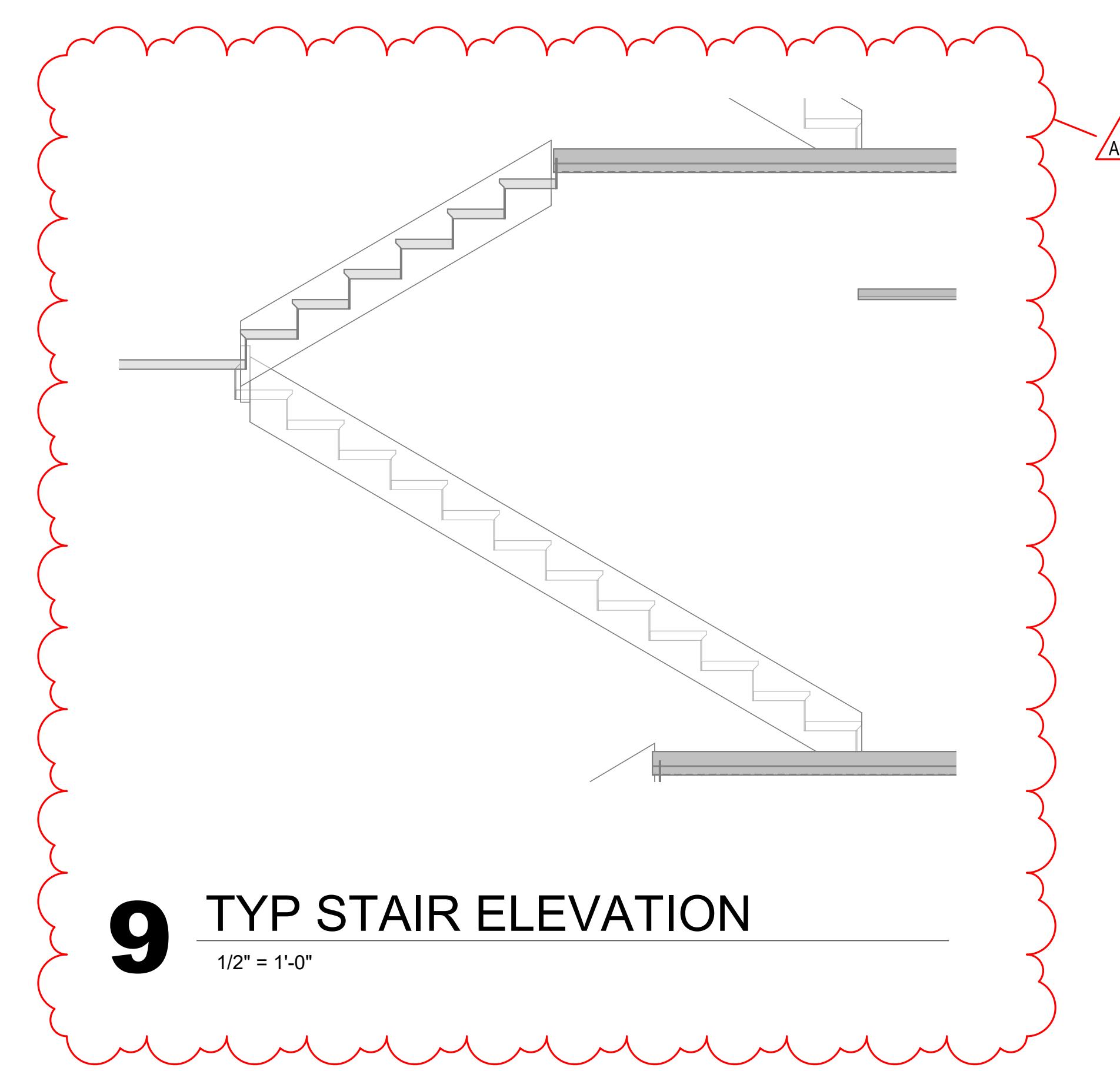
**7 WDW JAMB DETAIL**



**6 WDW HEAD DETAIL**



**8 WDW SILL DETAIL**



**9 TYP STAIR ELEVATION**

Project Title:		
HSR Project Number:	25040	
Project Date:	DECEMBER 2025	
Drawn By:	MPL / KH	
Key Plan:		

BID SET		
Revisions:		
No.	Description	Date
A02	Addendum 02	01/07/26
Graphic Scale:	VARIES	
Last Update:	1/7/2026 12:03:49 PM	

A200
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INTERIOR GENERAL NOTES:	
A.	REFERRENCES TO PAINT PERTAIN TO COLOR ONLY. PAINT TYPE SHALL BE IDENTIFIED IN THE ARCHITECTURAL SPECIFICATIONS.
B.	PNT-1 FIELD PAINT: ACCENT PAINT AS INDICATED. SEE ID SHEETS.
C.	REFER TO MASTER COLOR SCHEDULE ON ID600 & ID601 FOR MATERIALS, COLOURS, AND ANNOTATIONS. SEE ID SHEETS.
D.	TOILET ROOM WALL AND FLOOR GROUT LINES SHALL ALIGN TO CONTINUE PATTERN THROUGHOUT. SEE A705 FOR ELEVATED PATTERNING.
E.	VINYL COMPOSITE EDGE (VCE) TO BE INSTALLED AT DISSIMILAR FLOOR AREAS: REFER TO ID SHEETS. INSTALL APPROPRIATE EDGE PROFILE TO PROTECT FINISH EDGES. COLOR AS SELECTED BY A/E.
F.	AT DISSIMILAR FLOORING FINISHES, SET JOINT OF MATERIALS AT CENTER OF DOOR TRANSITIONS TO BE ADA COMPLIANT.

INTERIOR FINISH KEY PLAN:	
SEE ROOM FINISH REMARKS	
WALL BASE	
WALL PROTECTION	
PNT-X	ACCENT PAINT
—	FLOOR DIRECTION

INTERIOR FINISH LEGEND:	
LVT-1	CPT-1
TILE-1	RB-1
	CPT-2
	RB-2
	CPT-3
	OPT-4

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION**

Project Location: 820 LA CROSSE STREET  
LA CROSSE, WI 54601

Sheet Title: 4TH FLOOR FINISH PLAN

HSR Project Number:	25040
Project Date:	DECEMBER 2025
Drawn By:	BE
Key Plan:	

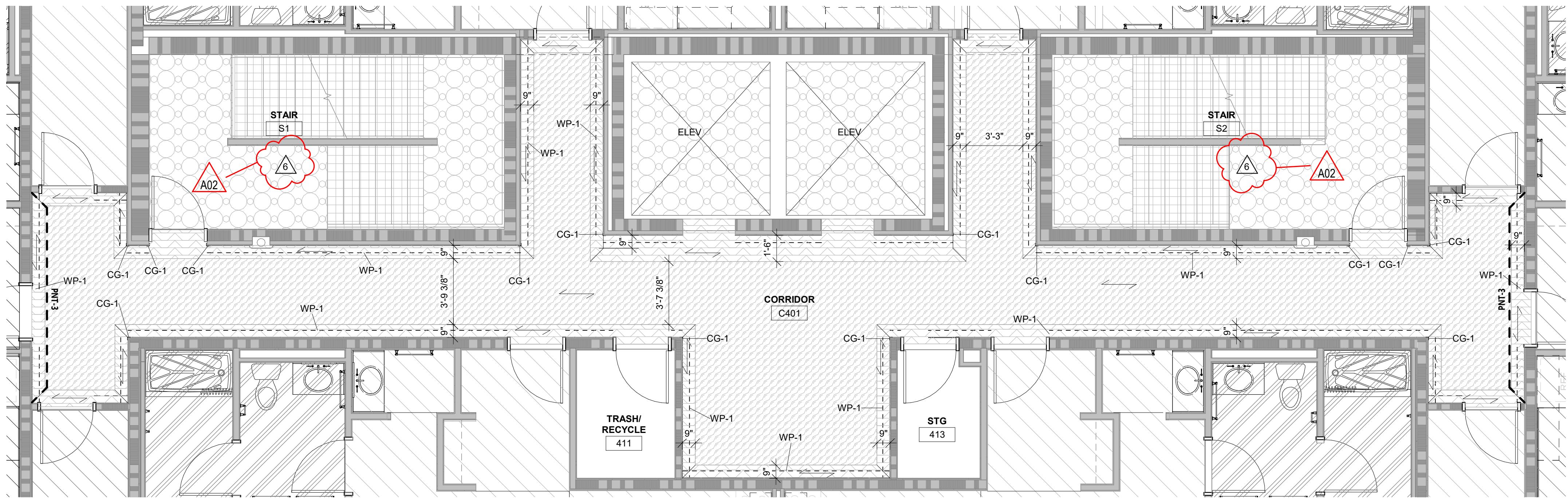
BID SET		
Revisions:		

No.	Description	Date
A02	Addendum 02	01/07/26

Graphic Scale: VARIES

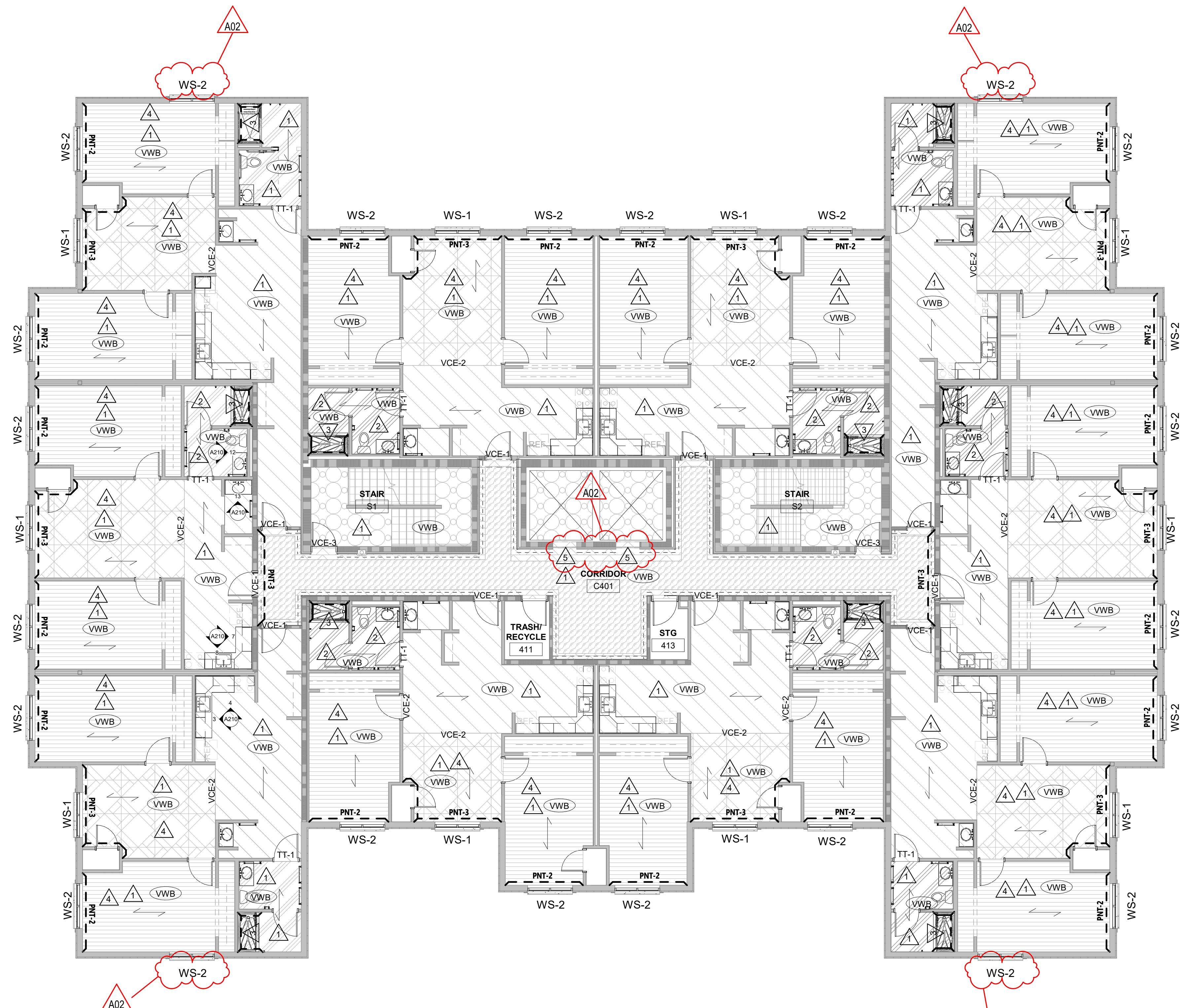
Last Update: 1/7/2026 12:03:50 PM

**ID101**



**2 4th & 5th FLOOR CORRIDOR DETAILS**

1/4" = 1'-0"





**INTERIOR GENERAL NOTES:**

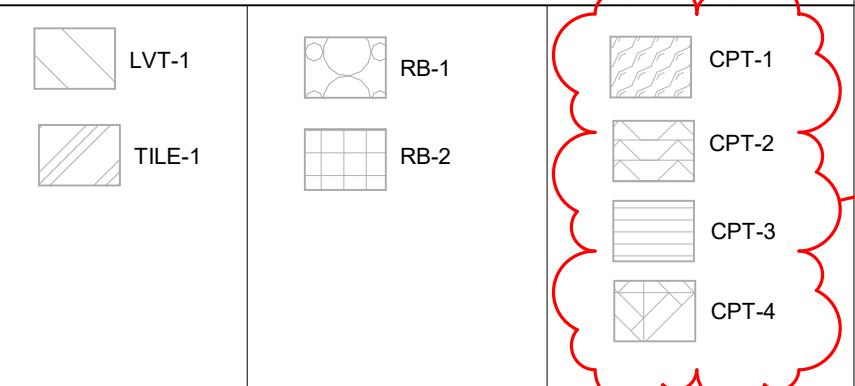
- A. REFERENCES TO PAINT PERTAIN TO COLOR ONLY. PAINT TYPE SHALL BE IDENTIFIED IN THE ARCHITECTURAL SPECIFICATIONS.
- B. PNT-1 FIELD PAINT: ACCENT PAINT AS INDICATED. SEE ID SHEETS. REFER TO MASTER COLOR SCHEDULE ON ID600 & ID601 FOR MATERIALS, COLOURS, AND ADDITIONAL INFORMATION.
- C. TOILET ROOM WALL AND FLOOR GROUT LINES SHALL ALIGN TO CONTINUE PATTERN THROUGHOUT. SEE A705 FOR ELEVATED PATTERNING.
- D. VVINYL COMPOSITE EDGE (VCE) TO BE INSTALLED AT DISSIMILAR FLOOR AREAS; REFER TO ID SHEETS. INSTALL APPROPRIATE EDGE PROFILE TO PROTECT FINISH EDGES. COLOR AS SELECTED BY A/E.
- E. AT DISSIMILAR FLOORING FINISHES, SET JOINT OF MATERIALS AT CENTER OF DOOR TRANSITIONS TO BE ADA COMPLIANT.

**INTERIOR FINISH KEY PLAN:**

SEE ROOM FINISH REMARKS

- WALL BASE
- ACCENT PAINT
- FLOOR DIRECTION
- WALL PROTECTION

**INTERIOR FINISH LEGEND:**



**ROOM FINISH REMARKS**

1. PAINT ALL WALLS PNT-1, ACCENT AS INDICATED ON PLANS.
2. PAINT ALL CEILINGS EPOXY PAINT PNT-1, ACCENT AS INDICATED ON PLANS.
3. FLOOR HEAT/COOL SURFACE (SHEET WALL PANELS).
4. PAINT ELEVATOR FRAMES AND DOOR PNT-4.
5. PAINT ELEVATOR FRAMES AND DOOR PNT-4.
6. REPLACE FLOORING IN STAIR WITH RUBBER (SEE FINISH LEGEND & ID600 FROM BASEMENT TO 6TH FLOOR).

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION**

Project Location: 820 LA CROSSE STREET  
LA CROSSE, WI 54601

Sheet Title:

25040

Project Date:

DECEMBER 2025

Drawn By:

BE

Key Plan:

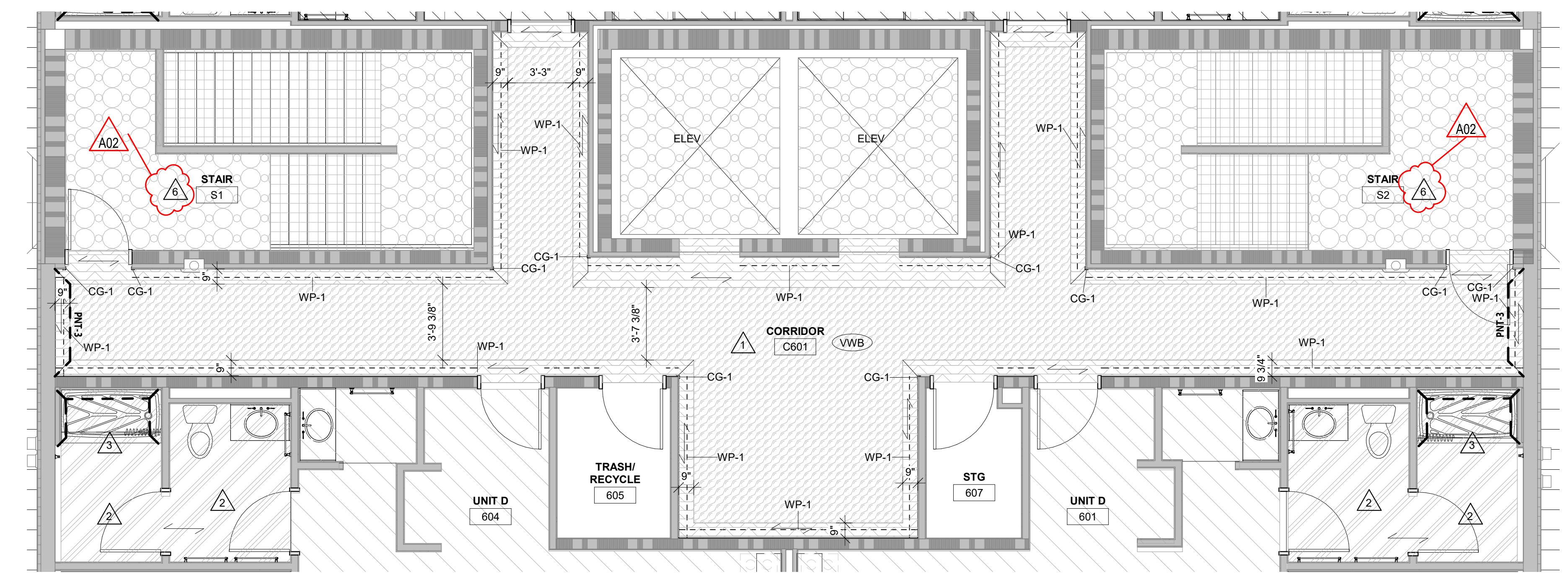
**BID SET**

Revision:	No.	Description	Date
	A02	Addendum 02	01/07/26

Graphic Scale:  
**VARIES**

Last Update:  
1/7/2026 12:03:51 PM

**ID103**



**2 6TH FLOOR CORRIDOR PLAN**

1/4" = 1'-0"

1/4" = 1'-0"

1/4" = 1'-0"

1/4" = 1'-0"

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MASTER COLOR SCHEDULE																
MANUFACTURER / COLOR	GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR	GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR	GENERAL LOCATION	REMARKS								
<b>06 41 00 CUSTOM CABINETS</b>																
PLAM-1 (Plastic Laminate)	Manufacturer: Wilsonart Color: Studio Teak	Cabinets	Comparable Products by Prior Approval	VWB-1 (Vinyl Wall Base)	Manufacturer: Tarkett Size: 4in Color: Ganache	Field	Comparable Products by Prior Approval	PNT-1 (Paint)								
PLAM-2	Manufacturer: Arborite Color: Roman Travertine	Countertops	Comparable Products by Prior Approval	VCE-1 (Vinyl Carpet Edge)	Manufacturer: Tarkett Product: T-Moulding Color: Brown Size: CD-XX (Confirm in Field)	Doorways from corridor to Unit rooms See ID Sheets	Comparable Products by Prior Approval	PNT-2								
<b>06 61 00 CAST POLYMER FABRICATIONS</b>																
SS-1 (Solid Surface)	Manufacturer: Durasein Color: Harbor Mist	Restroom Countertops & Window Sills	Comparable Products by Prior Approval	VCE-2 (Vinyl Carpet Edge)	Manufacturer: Tarkett Product: Transitions Color: Brown Size: CTA-XX-K (Confirm in Field)	Carpet to LVT in Unit Rooms See ID Sheets	Comparable Products by Prior Approval	PNT-3								
SS-2	Manufacturer: Inpro Product: Prism Solid Surface Shower Walls Color: Milkyway P9056	Shower Surround Walls & Shower Bases & Large Corner Shower Caddy	See Plumbing sheets for more information Provided by Plumbing Contractor	VCE-3 (Vinyl Carpet Edge)	Manufacturer: Tarkett Product: Slim Line Transitions Color: Brown Size: SLT-XX-B (Confirm in Field)	Stairwells to Corridors See ID Sheets	Comparable Products by Prior Approval	PNT-4								
<b>09 30 00 TILE</b>																
TLE-1 (Title)	Manufacturer: ICG Product: Ceramic Tile Style: Stardust Color: Clay Size: 12in x 24in Installation: 1/3 Offset	Restrooms	Comparable Products by Prior Approval	<b>09 68 50 CARPETING</b>												
TT-1 (Title Trim)	Manufacturer: Schluter Product: Reno-U Finish: ABGB	Restrooms	Comparable Products by Prior Approval	CPT-1 (Carpet Tile)	Manufacturer: Shaw Contract Style Name: Grounded Spaces - Breathe Color Name: Tawny Construction: Multi-Level Pattern Loop Size: 24in x 24in Backing: Ecoworx Installation: Ashlar	Corridors	Comparable Products by Prior Approval	WP-1 (Wall Protection)	Manufacturer: Inpro Product: Palladium Patterns Color: Legacy - 2405 Size: 4 x 8'	See ID floor plan Install above wall base	Comparable Products by Approval					
<b>09 65 00 RESILIENT FLOORING/BASE</b>																
LVT-1 (Luxury Vinyl Tile)	Manufacturer: Shaw Contract Collection: Branching Out Color: Zion Oak Size: 6in x 48in Thickness: 5mm Wear Layer: 20Mil Install: Ashlar	Kitchens	Comparable Products by Prior Approval	CPT-2	Manufacturer: Shaw Contract Style Name: Color Form Color Name: Imply Construction: Multi-Level Pattern Loop Size: 9in x 36in Backing: Ecowork Installation: Monolithic	Corridors	Comparable Products by Prior Approval	CG-1 (Corner Guards)	Manufacturer: Inpro Product: 130 High Impact Color: Sand Dune - 0278 Size: 4'	See ID floor plan Install above wall base	Comparable Products by Approval					
RB-1 (Rubber Tiles)	Manufacturer: Tarkett Collection: Color Splash Color: Sandstorm Size: 24in x 24in Thickness: 1/8" Install: Monolithic Texture: Hammered	Elevator Cab And Stairwells	Comparable Products by Prior Approval	CPT-3	Manufacturer: Bentley Style Name: Foreshadowing Color Name: Spectral Construction: Tufted Textured Loop Size: 18in x 36in Backing: LuxFit Cushion Installation: Ashlar	Bedrooms	Comparable Products by Prior Approval	<b>12 24 00 WINDOW SHADES</b>								
RB-2 (Rubber Stairs)	Manufacturer: Tarkett Collection: Color Splash Color: Sandstorm Size: Fit to Stairs Thickness: 1/8" Texture: Hammered	Stair Treads & Risers	Comparable Products by Prior Approval	CPT-4	Manufacturer: Shaw Contract Style Name: Collective - In Tune Color Name: Combine Construction: Multi-level Pattern Loop Size: 9in x 36in Backing: EcoLogix GX496 Installation: Ashlar	Living Rooms	Comparable Products by Prior Approval	WS-1	Type: Manual Clutch Shade Manufacturer: Inpro Product: H100 SoloMount Fabric: S Screen Deco- 4% Openness Fabric Color: Peppercorn Fascia: Yes - Bronze-50 Bead Chain: Metal - Antique Brass Hem: Heat-Sealed Hem Pocket	Living Room Windows See ID Sheets	Comparable Products by Prior Approval					
<b>BID SET</b>																

Revisions:  
No. Description Date  
A02 Addendum 02 01/07/26

Graphic Scale:  
VARIES

Last Update: 1/7/2026 12:03:51 PM

**ID600**

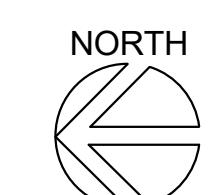
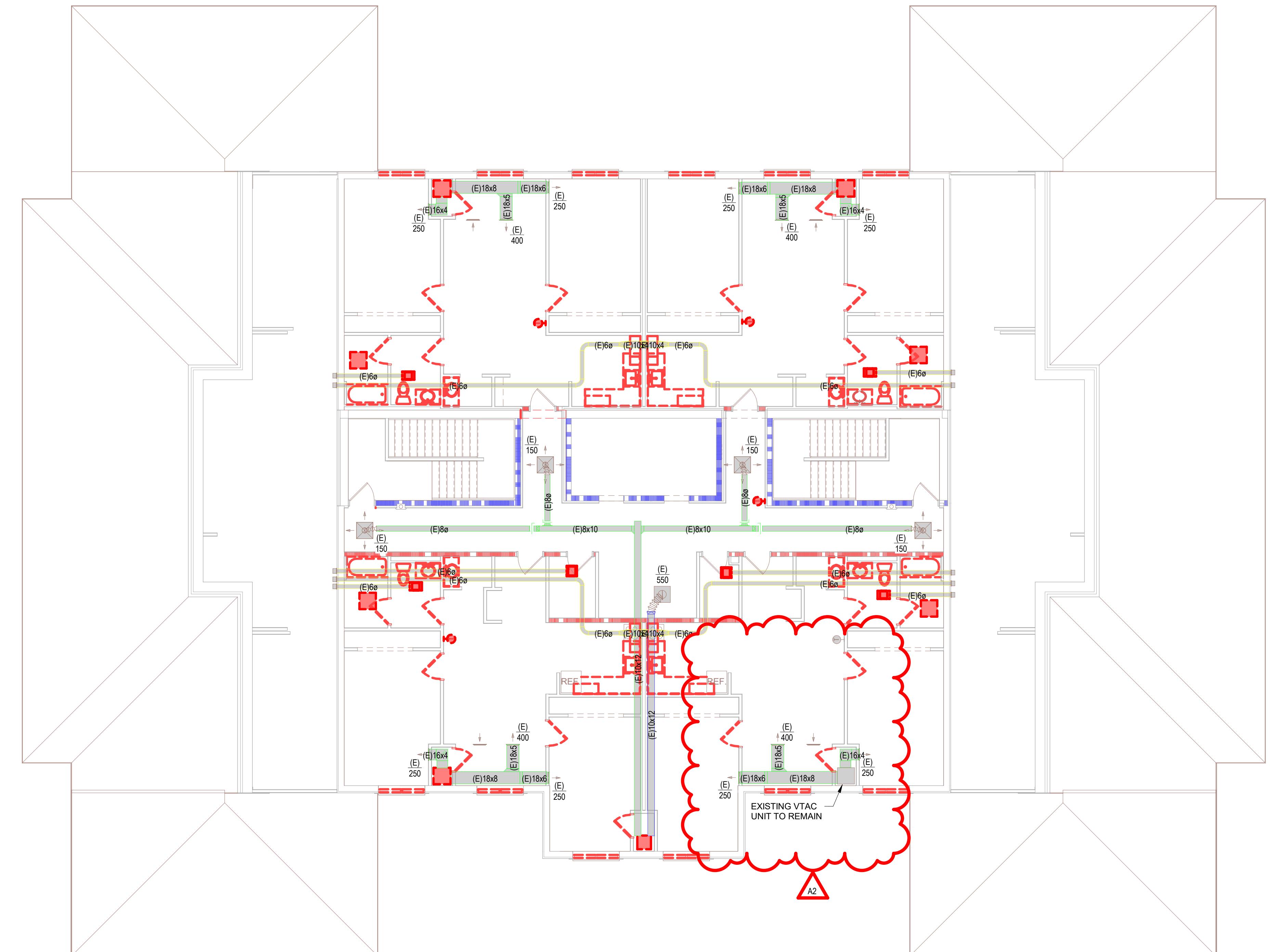
General Plan Symbols		Plumbing Symbols			
 Plan Revision Number  Detail Number on Sheet 		 Nominal Pipe Size  Above Ground Piping  1/8" SLOPE Below Ground Piping (When Applicable)  Existing Pipe To Remain  (E) Pipe To Be Demolished  Domestic Cold-Water  Non-Potable Water  Soft Cold-Water  Filtered Cold-Water  Reverse Osmosis Water  Domestic Hot-Water  Domestic Hot-Water 140°  Hot-Water Recirculation  Hot-Water Recirculation 140°  Sanitary Drain  Sanitary Vent  Sanitary Wet Vent  Combination DWV 			
 Keynote Symbol  Continuation Symbol  Point Where New Connects To Existing 		 Room Name / Number 			
					
<b>Abbreviations</b>					
<p>Ø ROUND ABOVE LVR LOUVER AC AIR CONDITIONING LWT LOW WATER TEMPERATURE ADM MAX MAXIMUM ADD ADDENDUM MBH ONE THOUSAND BTU PER HOUR AFF ABOVE FINISHED FLOOR MCF ONE THOUSAND CUBIC FEET AFUE ANNUAL FUEL UTILIZATION EFFICIENCY MECH MECHANICAL ALT ACCESS PANEL MFR MANUFACTURER ARCH ARCHITECTURAL MOD MODULAR BFF BELOW FINISHED FLOOR MTR MOTOR BTU BRITISH THERMAL UNITS MUA MAKE-UP AIR BTUH BRITISH THERMAL UNITS PER HOUR NC NOISE CRITERIA CAP CAPACITY NC NUMBER OF CLOSED CB CATCH BASIN NO NUMBER COP CUBIC FEET PER MINUTE NO NUMBER CLG CEILING NO NUMBER CO CLEAN OUT NTS NOT TO SCALE CW COLD WATER O OUT DB DENSITY OIA OUTSIDE AIR DBR DRY BULB ODR OVERFLOW FLOOR DRAIN DIA DIAMETER PD PRESSURE DROP DN DOWN PV PLUG/VENTILATOR VALVE DW DOWNSIZED WATER PLBG PLUMBING EA EACH PRESS PRESSURE EAT ENTERING AIR TEMPERATURE PRV PRESSURE REDUCING VALVE ELEC EQUIPMENT PSIG POUNDS PER SQUARE INCH EQUIP EQUIPMENT PPSI POUNDS PER SQUARE INCH EWI ENTERING WATER COOLER PWR POWER EXT ENTERING WATER TEMPERATURE R DUCT RISER EXIST EXISTING RD FLOOR DRAIN F FAHRENHEIT REC RECESSED FCO FLOOR CLEAN OUT RED REDUCER FD FLOOR DRAIN RH RELIEF HUMIDITY FDC FIRE DEPARTMENT CONNECTION RL RELIEF AIR FLOOR RM ROOM FO FUEL OIL RPM REVOLUTIONS PER MINUTE FOR FUEL OIL RETURN RPM REVOLUTIONS PER MINUTE FOS FUEL OIL SUPPLY SF SQUARE FOOT FPE FUEL PER MINUTE SVA SUPPLY AIR FS FLOOR SINK SAN SANITARY FT FOOTFEET SF SURFACE FOOT FTR FIN TUBE RADIATION SD SURFACE DAMPER GQ QUIT SP SURFACE MOUNT GF GAS-FIRED SP STANDPIPE GC GENERAL CONTRACTOR STM STATIC PRESSURE GPM GALLONS PER MINUTE T THERMOSTAT GW GREASE WASTE TD TEMPERATURE DROP H HORN BIB TD TRENCH DRAIN HP HORSE POWER TDR TEMPERATURE HTG HEATING TYP TYPICAL HTR HEATER UG UNDERGROUND HYD HYDRANT VAC VACUUM ID INDIRECT V VENTILABLE AIR VOLUME INV INVERT VENT VENTILATION LB POUND VTR VENT THROUGH ROOF LB/HR POUNDS PER HOUR W WASTE LAT LEAVING AIR TEMPERATURE WB WALL BULB LP LOW PRESSURE WCO WALL CLEAN OUT LPG LIQUEFIED PETROLEUM GAS WH WALL HYDRANT </p>					
<b>Equipment Abbreviations</b>					
<p>AC AIR COOLING CONDENSING UNIT ET ELECTRICAL TANK AHU AIR HANDLING UNIT FWH ELECTRIC WATER HEATER AS AIR SEPARATOR FPU FAN COIL UNIT B BOILER GR GREASE INTERCEPTOR CH CHILLER GRV GRAVITY ROOF EXHAUST FAN CCT COOLING TOWER HWP HEATING PUMP CUH CABINET UNIT HEATER HRU HEAT RECOVERY UNIT CHW CHILLED WATER PUMP PRV POWER ROOF VENTILATOR DBP DOMESTIC WATER BOOSTER PUMP RE RETURN/EXHAUST FAN DUC DOMESTIC WATER CIRCULATING PUMP RUE RETURN/EXHAUST FAN EF EXHAUST FAN SP SUMP PUMP EDC ELECTRIC DUCT COIL UH UNIT HEATER WH WATER HEATER</p>					
<p><b>NOTE:</b> ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.</p>					

Plumbing Fixture Schedule													
Type Identity	Description	Manufacturer	Model	Qty	Product Type	Installation Type	ADA	Material Description	Finish	Trim	Wear Performance Requirements	Domestic Connections	Product Specification
LAV-1	Lavatory - ADA Shower Stall	By Others	DSCSR0302MD	22	Single Bowl	Integral	Yes	Solid Surface	See Sheet ID600	Chicago Faucets / 797-E70ABC	0.5 GPM	1/2"	Integral Lavatory. Faucet Holes On 4" Centers. Deck-Mounted Manual Faucet, Pop Up Drain, Loose Key Angle Stops, Supplies And Drain. Insulate Water And Waste To Meet Ada Requirements.
SH-1	Shower Stall - ADA	InPro	ENSRL030ROLL	2	ADA Roll In	Floor Set	No	Solid Surface	See Sheet ID600	Chicago Faucets / SH-PB1-01-000	2.5 GPM	1/2"	Tub Replacement Shower Receptor (Non-ADA). Shower Drain To Be Brass Body With Stainless Steel Strainer Equal To Oatey 42150. Shower System With Asse 1016 Compliant Type Pressure Balancing Combination Mixing Valve. ADA Requirements. ADA Roll In Shower Receptor. Shower Drain To Be Brass Body With Stainless Steel Strainer Equal To Oatey 42150. Shower System With Asse 1016 Compliant Type Pressure Balancing Combination Mixing Valve.
SH-2	Shower Stall - ADA	InPro	LR05239D-3	22	Single Bowl	Counter Set	No	Stainless Steel	See Sheet ID600	Chicago Faucets / SH-PB1-01-000	2.5 GPM	1/2"	Single Compartment, Self-Rimming, Perfect Drain, 18 Gauge, Dual Lever Swivel Faucet, Basket Strainer, P-Trap, Tailpieces, Supplies And Stops. Insulate Water And Waste To Meet Ada Requirements.
S-1	Sink	Elkey	URAD025226PD-3	2	Single Bowl	Counter Set	Yes	Stainless Steel	Chicago / 1100-E35-369ABC	1.5 GPM	1/2"	Single Compartment, Ada Compliant, Self-Rimming, Perfect Drain, 18 Gauge, Dual Lever Swivel Faucet, Basket Strainer, P-Trap, Tailpieces, Supplies And Stops. Insulate Water And Waste To Meet Ada Requirements.	
S-2	Sink - ADA	Elkey	K-25077	24	Tank	Floor Set	Yes	White Vitreous China	White		1.28 gal	1/2"	Elongated Floor Mounted Tank Type Water Closet, With Church 295C1 Elongated Open Front Seat Or Equal, Supplies And Stops.
WC-1	Water Closet	Kohler											

Electric Water Heater Schedule														
Identity	Manufacturer	Model	Count	Product Type	Installation Type	Domestic	Temp	Recovery	Storage Capacity	Electric Heat Rating	Electrical Load	Phase	Minimum Weight	Product Weight
WH-1	Rheem	MR50245-C	24	Storage	Floor-set	3/4"	90°F	21 GPH	50 gal	150 psi	45000 kW	45000.0 A	240 V	1 UEF: 0.91
														517 lb
														Provide 24" Plastic Water Heater Pan, Oatey #34163 Or Equivalent.

GENERAL PLUMBING NOTES:													
1. BUILDING SYSTEMS MUST REMAIN OPERATIONAL UNLESS OTHERWISE PERMITTED BY OWNER. COORDINATE AS REQUIRED.													
2. PATCH ALL HOLES THROUGH FLOORING OR SPINKER GROUT.													
3. VISIT THE BUILDING SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.													
4. REVIEW, COORDINATE, AND SCHEDULE INSTALLATION OF WORK WITH OTHER TRADES.													
5. COORDINATE ALL PLUMBING, MECHANICAL, AND ELECTRICAL WORK WITH OTHER TRADES.													
6. INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF EXISTING PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS SHALL BE APPROVED BY THE OWNER IN WRITING.													

<b>KEYNOTES - DEMO</b>	
Keynote Number	Keynote Description # ALL REMOVED ITEMS THAT THE OWNER WANTS SHALL BE REMOVED AND TURNED OVER TO THE OWNER AT DESIGNATED STORAGE SPACE ON SITE. ALL REMAINING ITEMS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.



**1**

**6-MECHANICAL OVERALL DEMO PLAN**

1/8" = 1'-0"

**M096**

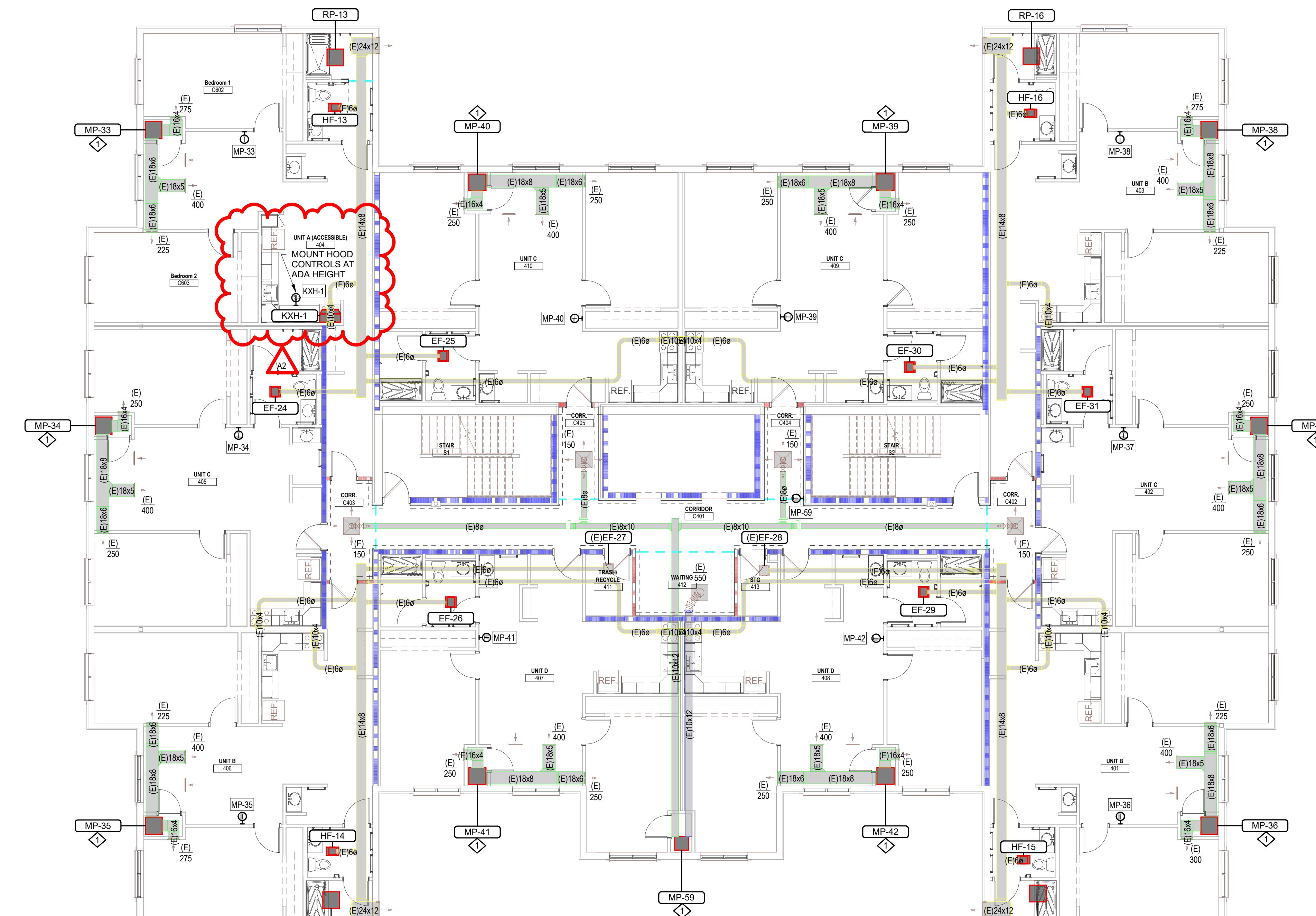
**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION**

Project Location: 820 LA CROSSE STREET  
LA CROSSE, WI 54601

Sheet Title:

4TH FLOOR PLAN

KEYNOTES - REMODEL	
Keynote Number	Keynote Description
#	COORDINATE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS WITH CEILING GRID, SPRINKLER HEADS, RECESSED LIGHTING AND ALL OTHER CEILING MOUNTED EQUIPMENT.
1	NEW VAV UNIT SHALL REUSE EXISTING WALL SLEEVE & LOUVER. PROVIDE MODIFICATIONS AS NECESSARY AND MAKE NEW DUCTWORK AND CONDENSATE PIPE CONNECTIONS TO EXISTING.



1

**4-MECHANICAL OVERALL REMODEL PLAN**

1/8" = 1'-0"

**BID SET**

Revisions:		
No.	Description	Date
A2	ADDENDUM #02	01/07/2026

Graphic Scale:

**VARIES**

Last Update:

1/6/2026 12:14:41 PM

**M104**

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION**

Project Title: **WESTERN TECHNICAL COLLEGE**  
Project Location: **820 LA CROSSE STREET  
LA CROSSE, WI 54601**  
Sheet Title:

HSR Project Number: **25040**  
Project Date: **DECEMBER 2025**  
Drawn By: **JB**

Key Plan:

**BID SET**

Revisions:

No. Description Date

A2 ADDENDUM #02 01/07/2026

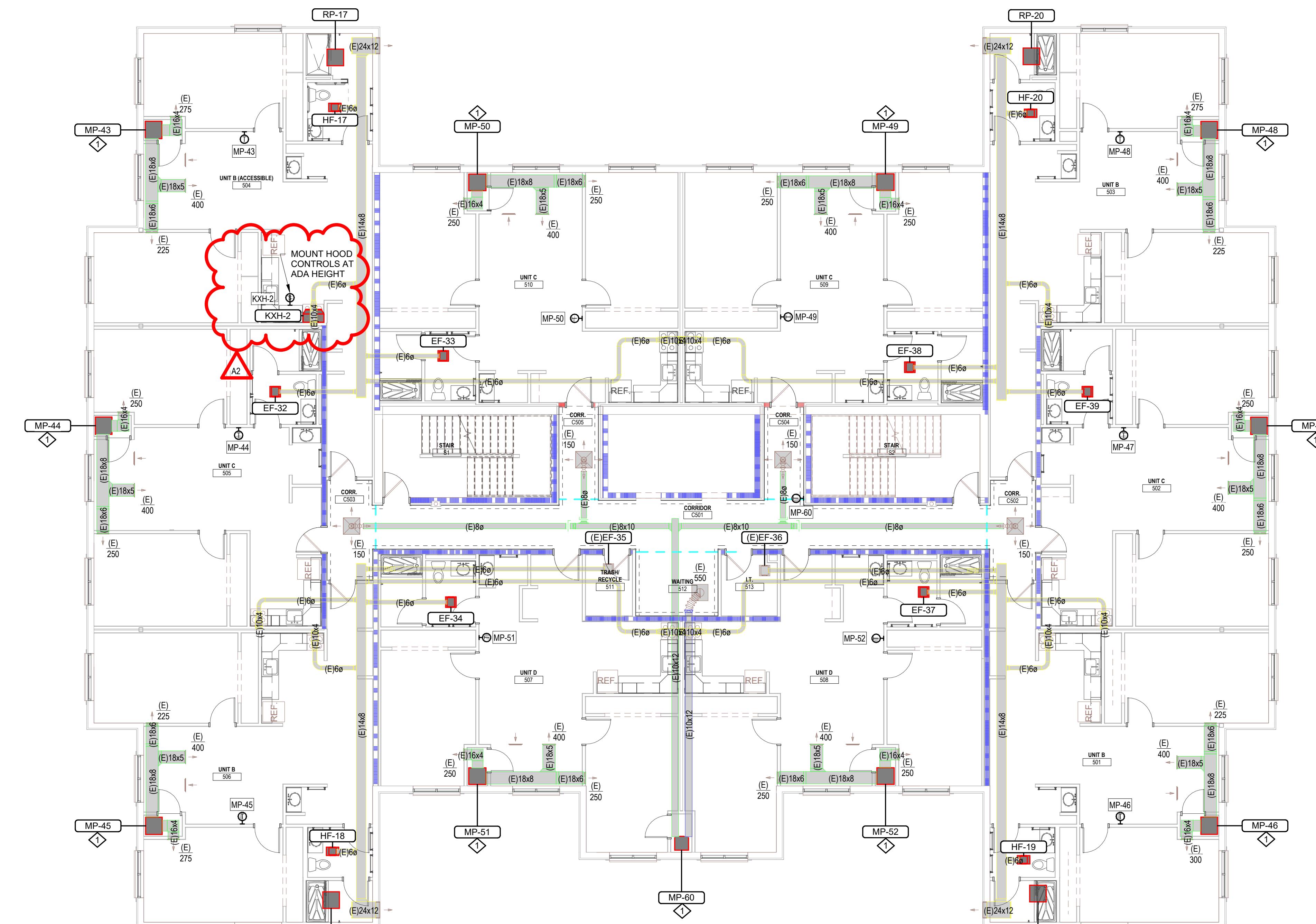
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**VARIES**

Last Update:

**1/6/2026 12:14:42 PM**

<b>KEYNOTES - REMODEL</b>	
Keynote Number #	Keynote Description
1	NEW VAV UNIT SHALL REUSE EXISTING WALL SLEEVE & LOUVER. PROVIDE MODIFICATIONS AS NECESSARY AND MAKE NEW DUCTWORK AND CONDENSATE PIPE CONNECTIONS TO EXISTING.



**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL PHASE 1 RENOVATION**

Project Location: 820 LA CROSSE STREET  
LA CROSSE, WI 54601

Sheet Title:

25040

Project Date:

DECEMBER 2025

Drawn By:

JB

Key Plan:

**BID SET**

Revisions:

No. Description Date

A2 ADDENDUM #02 01/07/2026

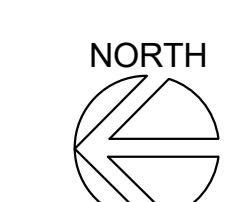
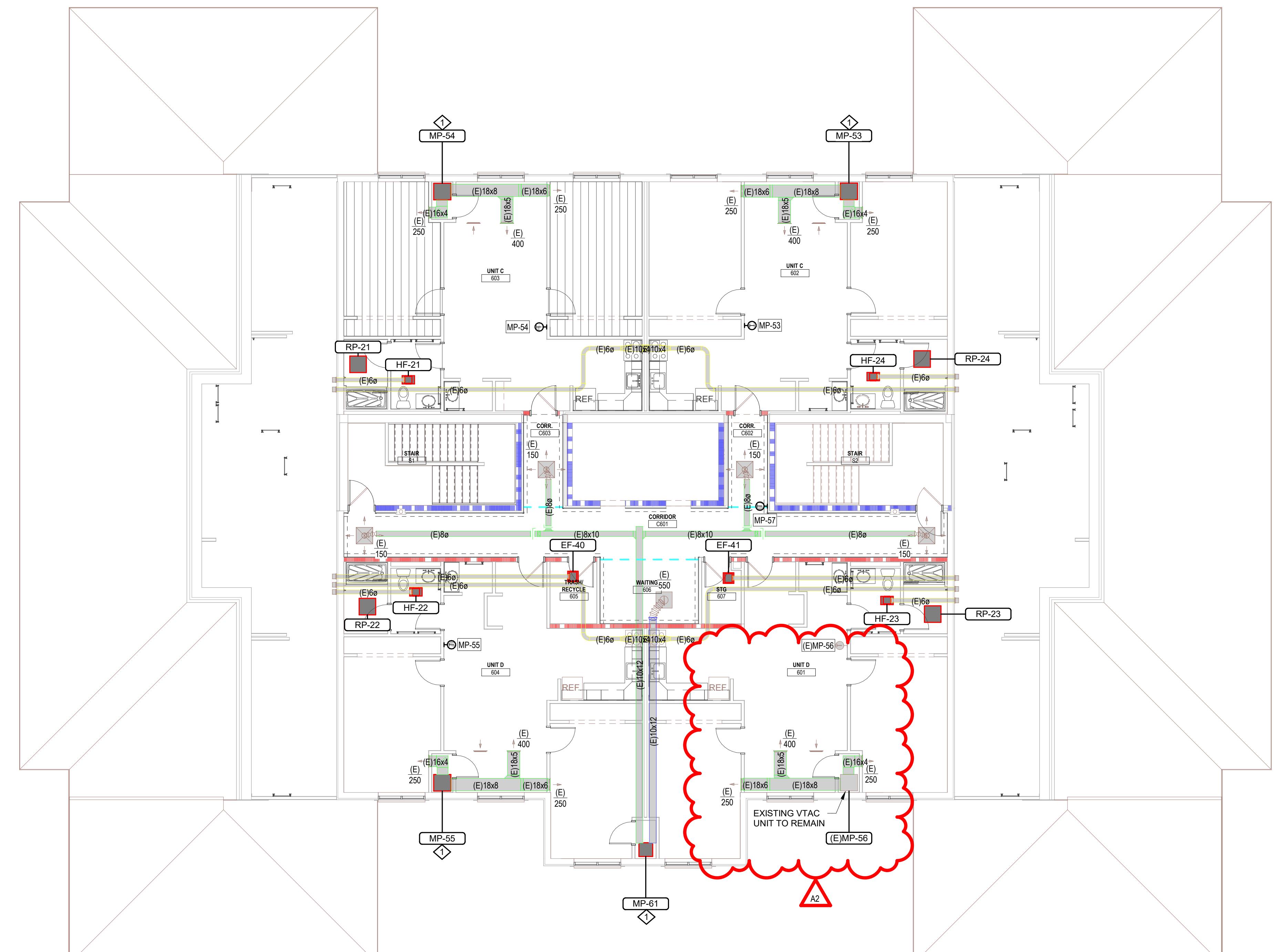
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1/5/2026 7:56:01 AM

<b>KEYNOTES - REMODEL</b>	
Keynote Number	Keynote Description
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1	NEW VTAC UNIT SHALL REUSE EXISTING WALL SLEEVE & LOUVER. PROVIDE MODIFICATIONS AS NECESSARY AND MAKE NEW DUCTWORK AND CONDENSATE PIPE CONNECTIONS TO EXISTING.



1

**6-MECHANICAL OVERALL REMODEL PLAN**

1/8" = 1'-0"

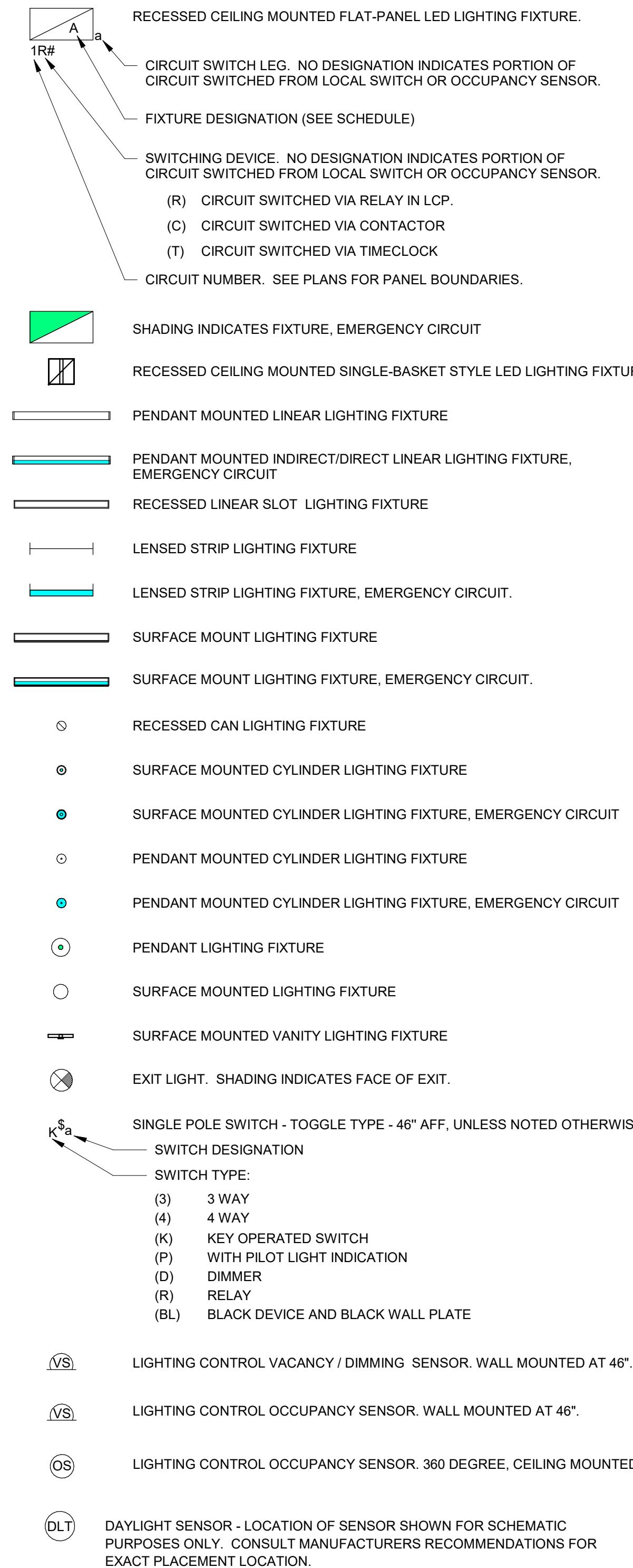
**M106**

VERTICAL TERMINAL AIR CONDITIONER SCHEDULE

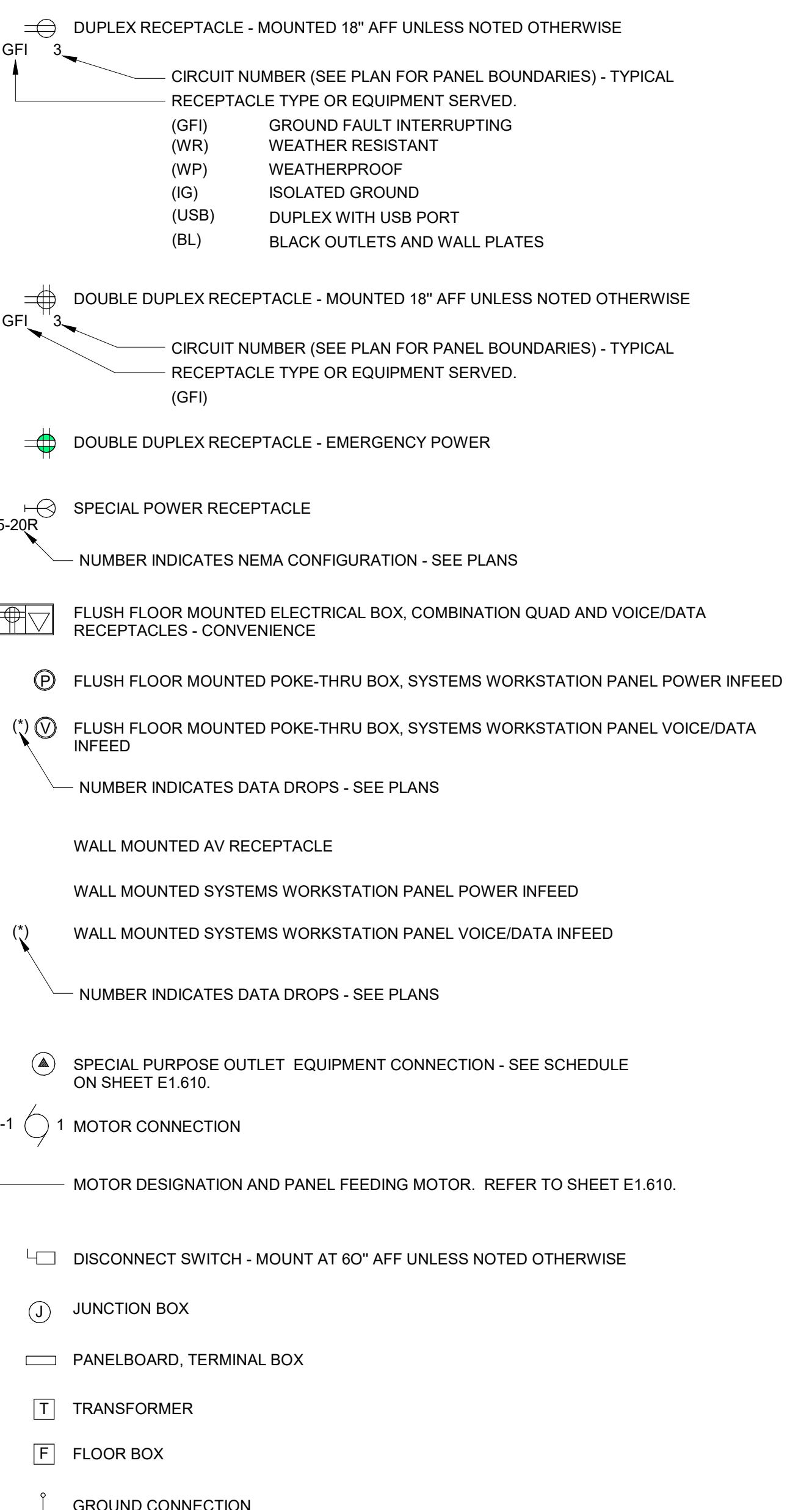
UNIT NO.	LEVEL	MANUFACTURER	MODEL NO.	TYPE	ARRANGEMENT	OUTDOOR AIRFLOW	EXT. STATIC PRESS.	DRIVE TYPE	QTY	POWER	SUPPLY FAN		CONDENSER FAN		FILTERS		COOLING CAPACITY				HEATING CAPACITY @ 35°F OAT				ELECTRIC HEATING COIL				COMPRESSOR				DIMENSIONS				REFERENCE	REMARKS: PROVIDE NEW WALL 24V PROGRAMMABLE THERMOSTAT WITH OCCUPANCY SENSOR W/ LOCAL OVERRIDE, 1" FILTER RACK, UNIT SHALL REUSE EXISTING WALL SLEEVE, MODIFY SUPPORT FOR NEW UNIT, VIBRATION ISOLATION													
											MOTOR	PRE-FILTER	MOTOR		AIRSIDE		AIRSIDE		ELEMENT		AIRSIDE		TYPE	REFRIGERANT TYPE / CHARGE	SUMMER OUTDOOR AIR TEMP	WINTER OUTDOOR AIR TEMP	COOLING EFFICIENCY (SEER)	HEATING EFFICIENCY (HSPF)	LENGTH	WIDTH	HEIGHT	UNIT WEIGHT	MCA	MOP	VOLTAGE	PHASE	MCA	MOP	VOLTAGE	PHASE											
																	HEAT CAP.	EAT CAP.	DB CAP.	DB CAP.	HEAT CAP.	EAT CAP.	DB CAP.	DB CAP.	TYPE	REFRIGERANT TYPE / CHARGE	SUMMER OUTDOOR AIR TEMP	WINTER OUTDOOR AIR TEMP	COOLING EFFICIENCY (SEER)	HEATING EFFICIENCY (HSPF)	LENGTH	WIDTH	HEIGHT	UNIT WEIGHT	MCA	MOP	VOLTAGE	PHASE	MCA	MOP	VOLTAGE	PHASE									
MP-33	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-34	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-35	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-36	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-37	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-38	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-39	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-40	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-41	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	(1)SCROLL	R-454B / 5 LBS.	95°F	5°F	11.9	6.3	1' - 8"	2' - 3"	5' - 7"	320 lbf	20 A	25 A	208 V	1	43 A	45 A	208 V	1		
MP-42	FOURTH FLOOR	FIRST CO.	EHE30210D	HEAT PUMP	VERTICAL	45	900	0.45 in-wg	DIRECT ECM	1	0.50 hp	DIRECT ECM	1	0.33 hp	1" MERV 6	26,500 Btu/h	20,935 Btu/h	80°F	70°F	92°F	60°F	58°F	4	21,000 Btu/h	20,935 Btu/h																										

## SYMBOLS LIST:

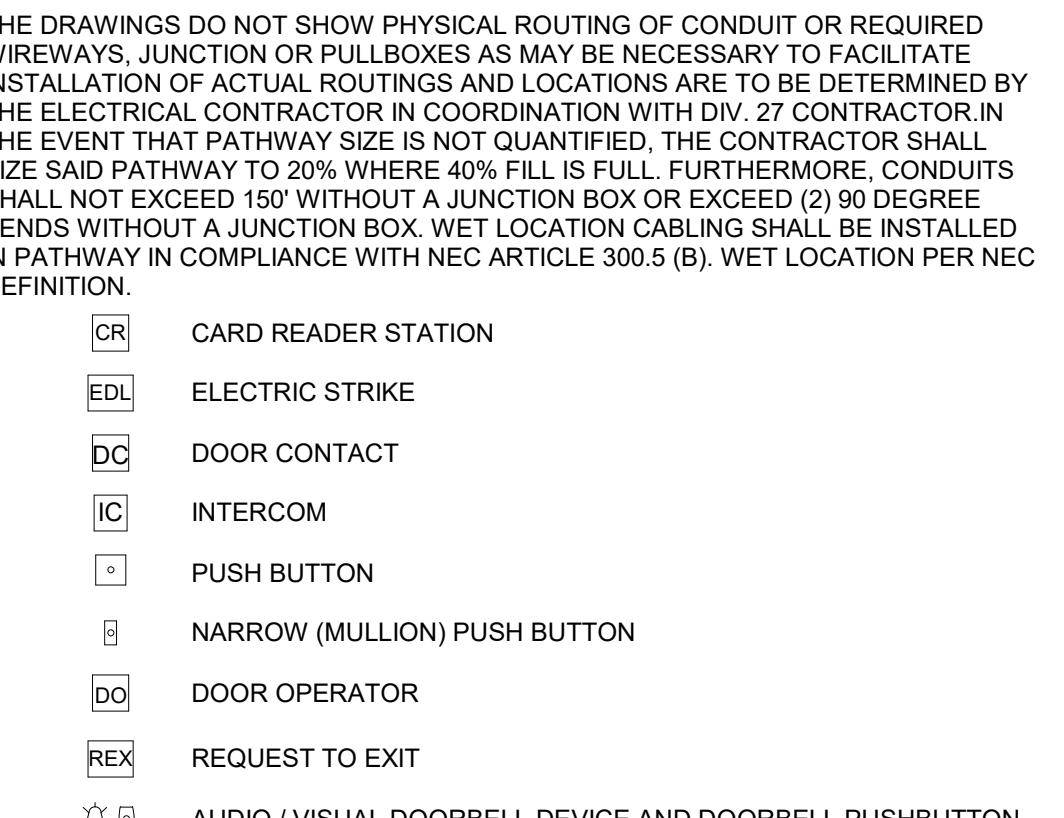
### LIGHTING:



### POWER:



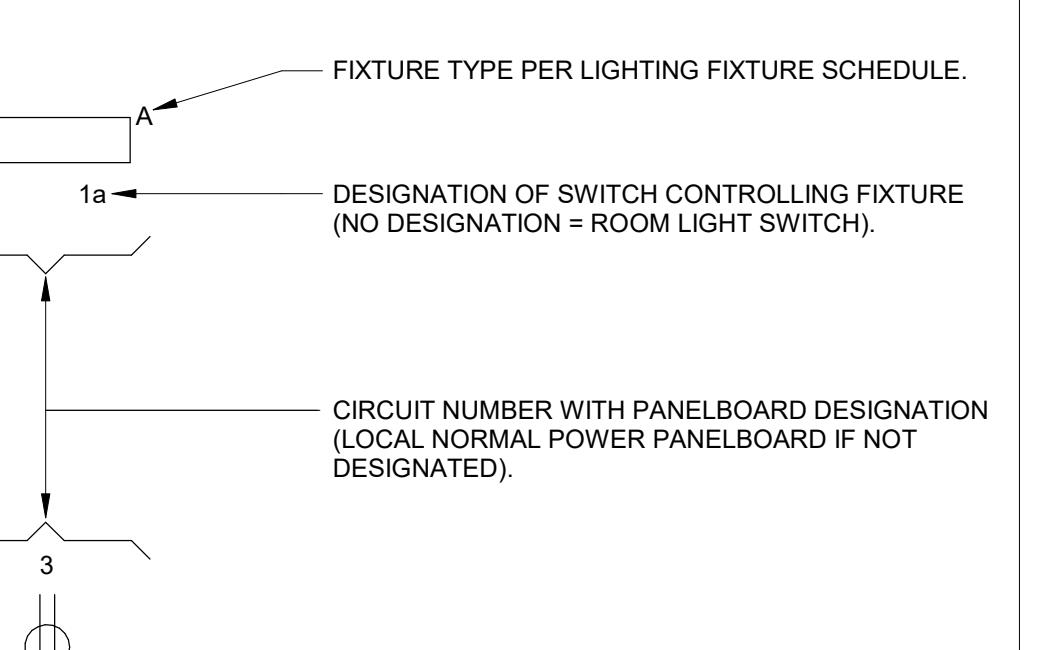
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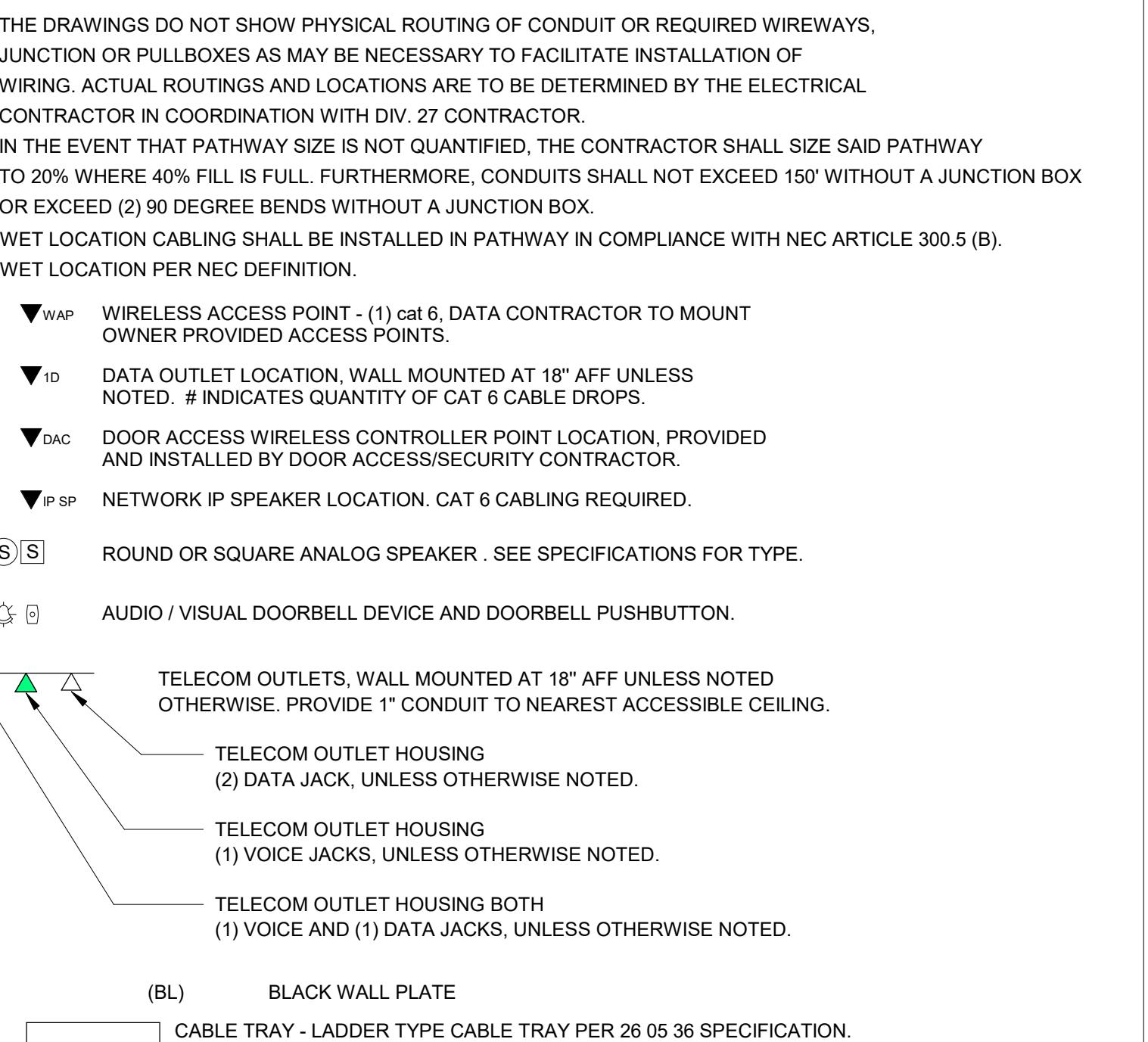
### FIRE ALARM:



### CIRCUITING LEGEND:



### SYSTEMS:



### SHEET SCHEDULE PHASE 1

E001	ELECTRICAL SYMBOLS, NOTES, ABBREVIATIONS
E002	ELECTRICAL NOTES AND SCHEDULES
E104	4TH FLOOR LIGHTING PLAN
E105	5TH FLOOR LIGHTING PLAN
E106	6TH FLOOR LIGHTING PLAN
E204	4TH FLOOR POWER PLAN
E205	5TH FLOOR POWER PLAN
E206	6TH FLOOR POWER PLAN
E301	ALL FLOORS DOOR ACCESS PLAN
E500	ELECTRICAL DETAILS
E501	ENLARGED LIGHTING, UNIT TYPES "A" & "B"
E502	ENLARGED LIGHTING, UNIT TYPES "C" & "D"
FA100	LOWER LEVEL FIRE ALARM PLAN
FA101	1ST FLOOR FIRE ALARM
FA104	4TH FLOOR FIRE ALARM
FA105	5TH FLOOR FIRE ALARM
FA106	6TH FLOOR FIRE ALARM

### SHEET SCHEDULE - DEMO - PHASE1

ED104	4TH FLOOR LIGHTING - DEMO PLAN
ED105	5TH FLOOR LIGHTING - DEMO PLAN
ED106	6TH FLOOR LIGHTING - DEMO PLAN
ED204	4TH FLOOR POWER - DEMO PLAN
ED205	5TH FLOOR POWER - DEMO PLAN
ED206	6TH FLOOR POWER - DEMO PLAN
FD100	LOWER LEVEL LIGHTING - DEMO PLAN
FD101	1ST FLOOR LIGHTING - DEMO PLAN
FD104	4TH FLOOR FIRE ALARM - DEMO PLAN
FD105	5TH FLOOR FIRE ALARM - DEMO PLAN
FD106	6TH FLOOR FIRE ALARM - DEMO PLAN

### SHEET SCHEDULE -- DEMO -- PHASE 2

ED100	LOWER LEVEL LIGHTING - DEMO PLAN
ED101	1ST FLOOR LIGHTING - DEMO PLAN
ED102	2ND FLOOR LIGHTING - DEMO PLAN
ED103	3RD FLOOR LIGHTING - DEMO PLAN
FD100	LOWER LEVEL FIRE ALARM - DEMO PLAN
FD101	1ST FLOOR FIRE ALARM - DEMO PLAN
FD102	2ND FLOOR FIRE ALARM - DEMO PLAN
FD103	4TH FLOOR FIRE ALARM - DEMO PLAN

### SHEET SCHEDULE PHASE 2

E001	ELECTRICAL SYMBOLS, NOTES, ABBREVIATIONS
E002	ELECTRICAL NOTES AND SCHEDULES
E100	LOWER LEVEL - LIGHTING PLAN
E101	1ST FLOOR LIGHTING PLAN
E102	2ND FLOOR LIGHTING PLAN
E103	3RD FLOOR LIGHTING PLAN
E500	ELECTRICAL DETAILS
E501	ENLARGED LIGHTING, UNIT TYPES "A" & "B"
E502	ENLARGED LIGHTING, UNIT TYPES "C" & "D"
FA100	LOWER LEVEL FIRE ALARM PLAN
FA101	1ST FLOOR FIRE ALARM
FA102	2ND FLOOR FIRE ALARM
FA103	3RD FLOOR FIRE ALARM

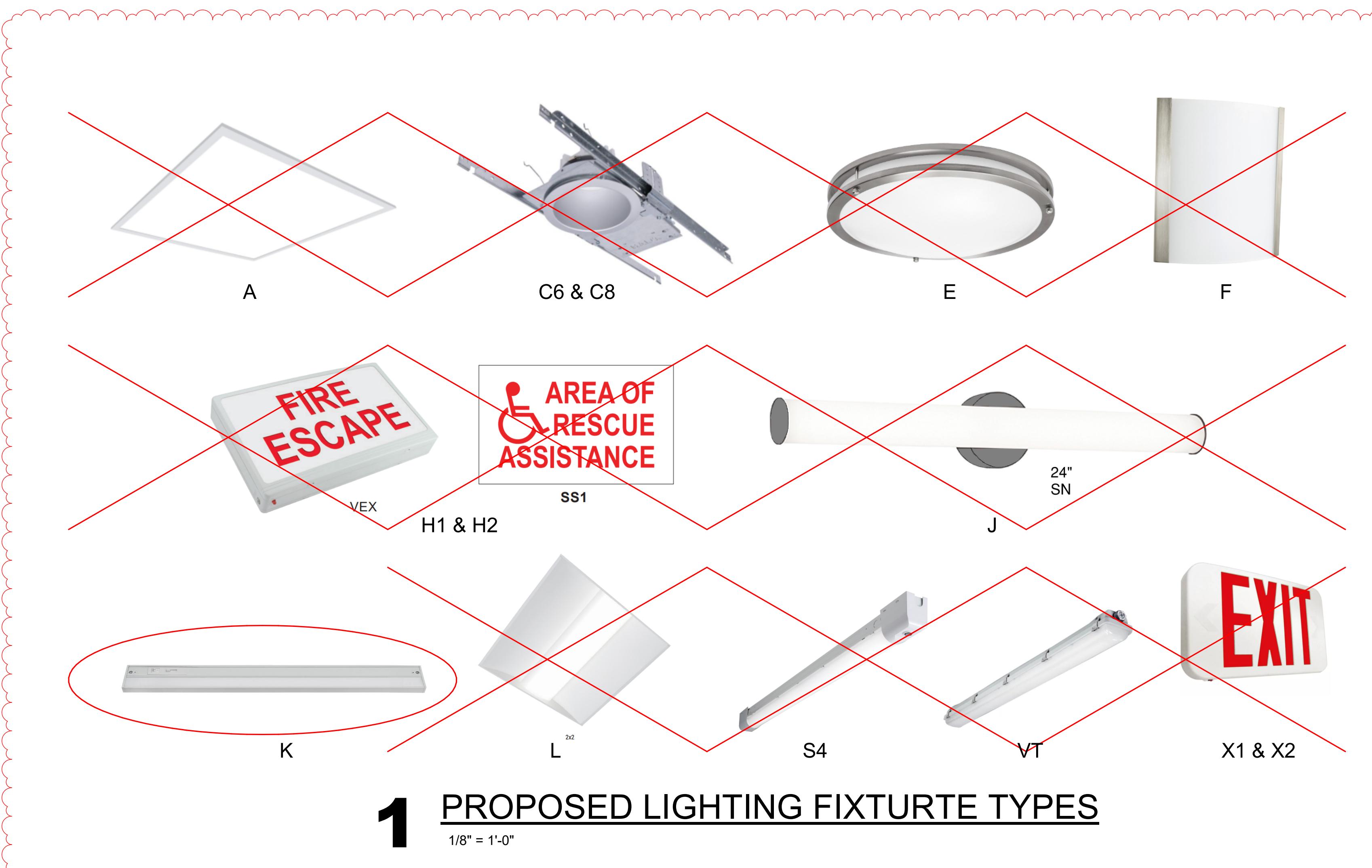
Revisions:  
No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale:  
VARIES

Last Update:  
1/8/2026 11:22:29 AM

**E001**

Consultant:



## 1 PROPOSED LIGHTING FIXTURE TYPES

1/8" = 1'-0"

GENERAL NOTES - LIGHTING	
1	ALL SWITCHES TO REMAIN UNLESS OTHERWISE NOTED ON PLAN.
2	ALL FIXTURES ARE TO BE REPLACED 1-FOR-1 INTO SAME LOCATIONS UNLESS OTHERWISE NOTED ON PLAN.

GENERAL NOTES - FIRE ALARM	
1	LOWER-LEVEL FIRE ALARM WORK IN PHASE 1 CONSISTS ONLY OF REPLACING THE FIRE PUMP CONTROL PANEL. COORDINATE WITH FIRELINE SPRINKLER AND STARFIRE INC. FOR REQUIREMENTS FOR REPLACING FIRE PUMP CONTROLLER.
2	1ST FLOOR FIRE ALARM WORK IN PHASE 1 CONSISTS ONLY OF REPLACING FIRE ALARM CONTROL PANEL AT THE MAIN ENTRANCE LOBBY #10, AND THE FIRE ALARM ANNUNCIATOR PANEL LOCATED IN THE SECURITY OFFICE, RM #100

KEYNOTES - LIGHTING	
1	PHASE 2, FUTURE WORK.
2	KITCHEN SINK LIGHTING FIXTURE TO BE REMOVED AND DISCARDED. REMOVE EXISTING FIXTURE WALL JUNCTION BOX, CONDUIT, AND WIRING BACK TO NEAREST ABOVE-CEILING JUNCTION BOX, DO NOT ABANDON IN PLACE. MODIFY/EXTEND/FISH CIRCUIT USING MC CABLE TO NEW UNDERCABINET LIGHT. COORDINATE WITH GENERAL CONTRACTOR FOR CASEWORK LAYOUT.
3	BATHROOM LIGHT AND FAN SWITCHES TO BE REPLACED WITH OCCUPANCY SENSORS, LEVITON MODEL #ODS10 OR EQUIVALENT. RE-USE EXISTING BOXES AND CONDUCTORS AS POSSIBLE. ELECTRICAL CONTRACTOR CAN CONNECT FAN AND LIGHT TO ONE OCCUPANCY SENSOR IF EXISTING WIRING ALLOWS. INSTALL BLANK COVER PLATES ON ANY UNUSED SWITCH BOXES.
4	ALL BATHROOMS AND SHOWERS WITH EXTERIOR WALLS ARE TO HAVE NEW DIGITAL PUSHBUTTON TIMER SWITCHES, LEVITON MODEL #DT230 OR EQUIVALENT, INSTALLED FOR THE FAN HEATERS AND THE RADIANT HEATING CEILING PANELS.
5	STAIRWELL LIGHTING TO INCLUDE FACTORY BUILT-IN MOTION SENSOR FOR DIMMING CONTROL. PROGRAM FIXTURES FOR DIMMING TO 25% WITH NO MOVEMENT, 100% FULL BRIGHTNESS UPON SENSING MOVEMENT.
6	INSTALL 2' LED STRIP LIGHT INTO MECHANICAL CLOSET. REUSE EXISTING CONDUIT AND WIRING, MODIFYING IT AS NECESSARY. FIXTURES MAY VARY. INSTALL INTO THE BEST LOCATION TO ACCOMMODATE FOR LIGHTING RESULTS AND INSTALLATION ISSUES.
A01	ALL LIGHTING * EXCEPT * KITCHEN SINK DEMO AND UNDERCABINET INSTALL HAS BEEN REMOVED FROM THIS PROJECT.

KEYNOTES - POWER	
1	PHASE 2, FUTURE WORK.
2	ELECTRICAL CONTRACTOR TO COORDINATE WITH WTC & DOOR CONTRACTOR TO PROVIDE CONDUIT AND POWER TO ANY NEW DOOR ACCESS CONTROL PANEL IN DATA/IT ROOM #001.
3	ELECTRICAL CONTRACTOR IS TO DISCONNECT EXISTING VTAC UNITS. UNITS ARE TO BE TURNED OVER TO WTC INTACT FOR FUTURE USE OR AUCTION.
4	ELECTRICAL CONTRACTOR IS TO RECONNECT NEW VTAC EQUIPMENT TO EXISTING ELECTRICAL PANEL. NEW UNITS REQUIRE AN ADDITIONAL CIRCUIT ON A SEPARATE BREAKER. VERIFY QUANTITY AND AMPACITY OF CONDUCTORS, CONDUIT, AND BREAKERS ARE SUFFICIENT TO MEET CODE REQUIREMENTS. SEE SHEET M600 FOR VTAC UNIT SPECIFICATIONS.

KEYNOTES - FIRE ALARM	
1	BEDROOM NOTIFICATION DEVICE TO BE A SPEAKER WITH STROBE FOR ADA & HEARING IMPAIRED COMPLIANCE.
2	ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL PANELS AND RELATED FIRE ALARM EXPANSION PANELS (EXPANSION AMP, AMPLIFIER PANEL, ETC.) PROVIDE AND INSTALL NEW MAIN FIRE ALARM CONTROL PANEL AT MAIN ENTRANCE AND NEW FIRE ALARM ANNUNCIATOR PANEL IN SECURITY OFFICE AND RELATED EXPANSION PANELS AS SPECIFIED BY FIRE ALARM VENDOR. CUSTOM ALARM. COORDINATE THOROUGHLY WITH CUSTOM ALARM, WESTERN TECHNICAL COLLEGE FACILITIES STAFF, AND GENERAL CONTRACTOR FOR TIMING SEQUENCE OF THIS WORK.
3	ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW FIRE PUMP CONTROLLER. COORDINATE THOROUGHLY WITH CUSTOM ALARM, WESTERN TECHNICAL COLLEGE FACILITIES STAFF, AND GENERAL CONTRACTOR FOR TIMING SEQUENCE OF THIS WORK.
4	COORDINATE WITH WESTERN TECHNICAL COLLEGE TO INSTALL (NEW MODEL FOR 2026) WTC-PROVIDED AND CONTRACTOR INSTALLED (GUARD STOVE/RANGE SAFETY SHUTOFF DEVICE CONTROL PANEL TO BOTTOM OF ADJACENT UPPER CABINET AT FRONT EDGE, INSTALL "PLUG & PLAY" INLINE RANGE PLUG & OUTLET SWITCHING DEVICE BEHIND STOVE AND CONNECT AND SECURE THE PROVIDED CAT 5 CABLE FROM CONTROLLER TO INLINE OUTLET SWITCHING DEVICE. ** DO NOT DEMO THE EXISTING BATTERY-POWERED KITCHEN SMOKE DETECTOR OR THE FIREALERT POWER-INTERRUPTING DEVICE, UNTIL WHICH TIME THE NEW GUARD IS AVAILABLE AND INSTALLED. AFTER GUARD IS INSTALLED, PROCEED WITH DEMO OF BATTERY-POWERED KITCHEN SMOKE DETECTOR, AND REPLACE CEILING TILE. **
5	ELECTRICAL CONTRACTOR TO DISCONNECT, REMOVE AND TURN OVER TO WTC FACILITIES DEPARTMENT ALL EXISTING NON-SYSTEM, BATTERY POWERED SMOKE DETECTORS LOCATED IN THE KITCHEN NEAR THE RANGE.

KEYNOTES - LOW VOLTAGE	
1	ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL AN AUDIO/VISUAL DOORBELL SYSTEM FOR ALL ADA SUITES TO ACCOMMODATE HEARING IMPAIRED RESIDENTS.
2	ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL CABLE SUPPORTS, ACCESSORIES, AND (1) HOMERUN CONSISTING OF: (1) CAT6 CABLE AND (1) 18/2 UNTWISTED & UNSHELDED WIRE FROM THE DOOR ACCESS CONTROL PANELS ON THE LOWER LEVEL IN IT ROOM #001 TO EACH WIRELESS GATEWAY DEVICE LOCATION, WITH A 5' LOOP AT EACH END. COORDINATE WITH DOOR ACCESS CONTRACTOR FOR TYPE & LOCATIONS. DOOR ACCESS CONTRACTOR TO INSTALL WIRELESS GATEWAY MODULE(S) ABOVE ACOUSTIC GRID CEILING.
3	ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL CUT-IN SINGLE-GANG SWITCH BOXES WITH 3/4" EMT TO A "DACP-4-11/16" JUNCTION BOX ABOVE CEILING FOR ADA ACCESSIBLE WALL-MOUNTED CARD READER DEVICES, ADA INTERIOR ONLY PUSHBUTTONS, AND REQUEST TO EXIT (REX), (CARD READERS, ADA PUSHBUTTONS, AND REX BY WTC DOOR ACCESS CONTRACTOR).
4	ELECTRICAL CONTRACTOR TO INSTALL CONDUIT FOR NEW ELECTRONIC DOOR STRIKES FOR ADA SUITES #103, 104, 204, 304, 404, 504 FROM DAC JUNCTION BOX INTO DOOR FRAME FOR STRIKE WIRING. COORDINATE WITH DOOR ACCESS CONTROL CONTRACTOR FOR TYPE & LOCATIONS.
5	ELECTRICAL CONTRACTOR TO INSTALL CONDUIT FOR NEW ELECTRONIC DOOR OPERATOR FOR ADA SUITES #103, 104, 204, 304, 404, 504 FROM DAC JUNCTION BOX INTO SUITABLE LOCATION FOR OPERATOR WIRING. COORDINATE WITH DOOR ACCESS CONTROL CONTRACTOR FOR TYPE & LOCATIONS.
6	ELECTRICAL CONTRACTOR TO COORDINATE CAPACITY OF THE EXISTING DOOR ACCESS CONTROL PANEL WITH WTC FACILITIES AND WTC DOOR ACCESS CONTRACTOR. EC TO INSTALL ADDITIONAL DAC PANEL IF EXISTING PANEL DOES NOT HAVE SUFFICIENT CAPACITY.
7	ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A 'SMART' HOMERUN FROM EACH ADA SUITE TO THE ELECTRONIC DOOR ACCESS CONTROL PANEL LOCATED IN IT RM #001 IN LOWER LEVEL. SMART CABLE SHALL BE "SMART WIRE ACCESS CONTROL CABLE PLENUM (CMP) (18AWG/4C + 22AWG/2C + 22AWG/6C)" OR EQUIVALENT. REFER TO DOOR ACCESS CONTROL DETAIL ON E003.
8	ADA COMPLIANT UNITS ONLY TO RECEIVE WIRED EXTERIOR-SIDE CARD READERS, INTERIOR-SIDE PUSH-BUTTON OPERATOR, DOORBELL WITH VISUAL AND AUDIO ALERTS. SEE CALLOUT/DETAIL 4/E301 AND 5/E500 FOR ENLARGED PLAN DETAILS AND NOTES.
9	NON-ADA COMPLIANT UNITS ONLY TO RECEIVE STANDARD WIRELESS CARD ENTRY LOCKSET, FLOORS 1-6. SEE CALLOUT/DETAIL 6/E500 FOR ENLARGED PLAN DETAILS AND NOTES.

LIGHTING FIXTURE SCHEDULE					
Type Mark	Description	Manufacturer	Model	Initial Color Temperature	Type Comments
A	2x4 LED Flat Panel	Cooper Lighting - Metalux	24CGTS-L3C3	3500 K	
B	2x2 LED Flat Panel	Cooper Lighting - Metalux	22CGTS-L3C3	3500 K	
C6	6' Recessed LED Can Light	Cooper Lighting - Halo	HC6	3500 K	
C8	8' Recessed LED Can Light	Cooper Lighting - Halo	HC8	3500 K	
E	14" Round Surface mount LED Fixture	AFX	CAF14L5AJUDSN "Carlisle"	3500 K	
F	Wall Sconce	AFX	IDS0910LAJUDSN "Ideal"	3500 K	
H1	Single-Face Area of Rescue Assistance Fixture with battery backup	Barron Lighting - Extronics	VEX-U-WB-WH-SS1	3500 K	
H2	Dual-Face Area of Rescue Assistance Fixture with battery backup	Barron Lighting - Extronics	VEX-U-WB-WH-SS1	3500 K	
J	24" LED Vanity Light	AFX	LIAV2404LAJUDSN "Leia"	3500 K	
K	22" LED Undercabinet light fixture	AFX	HEYU22 "Healy"	3500 K	
L	2x2 LED Single Basket Fixture	Metalux	22CZSCT3-UNV "Cruze"	3500 K	
M	2x4 LED Single Basket Fixture	Metalux	24CZSCT3-UNV "Cruze"	3500 K	
S2	2' LED Strip Light Fixture	Cooper Lighting - Metalux	2SLSTPS2-UNV	3500 K	
S4	4' LED Strip Light Fixture w/ motion sensor	Cooper Lighting - Metalux	4SLR-LD5-295L-LN-UNV-L835-CD1-U	3500 K	WLS Dimming
VT	Vandal-Resistant Vaportite LED Strip Fixture	Cooper Lighting - Fail Safe	4VRV71-SL3C3	3500 K	
X1	Single-Face Exit Light Fixture with battery backup	Cooper Lighting - Sure Lites	APX7RC	3500 K	
X2	Dual-Face Exit Light Fixture with battery backup	Cooper Lighting - Sure Lites	APX7RG	3500 K	

**E002**

Revisions:  
No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale: VARIES  
Last Update: 1/8/2026 11:22:29 AM

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Location: 820 La Crosse St  
La Crosse, WI 54601

4TH FLOOR LIGHTING DEMO PLAN

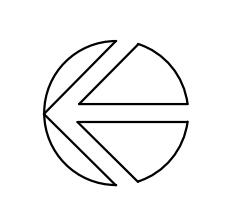
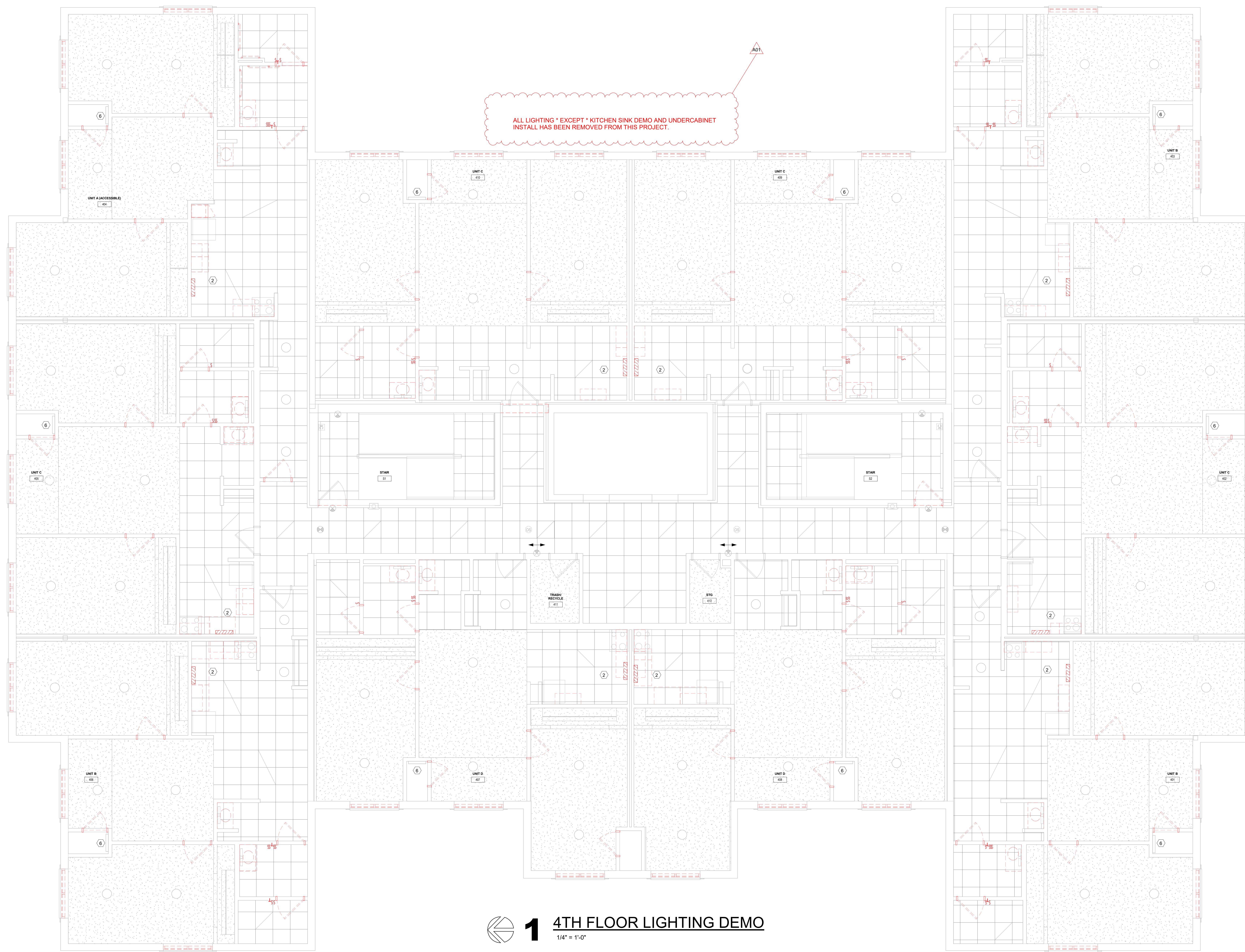
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HSR Project Number: **25040-2022**  
Project Date: **DECEMBER 16, 2025**  
Drawn By: **HSR - jmh**

Key Plan:

Revisions:  
No. Description Date  
A01 ADDENDUM #1 01/25/2022

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Last Update: **1/8/2026 11:22:45 AM**



**1** 4TH FLOOR LIGHTING DEMO  
1/4" = 1'-0"

**ED104**

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Location: 820 La Crosse St  
La Crosse, WI 54601

Sheet Title: 5TH FLOOR LIGHTING DEMO PLAN

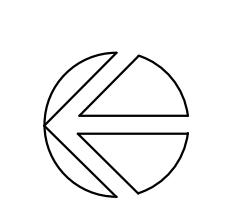
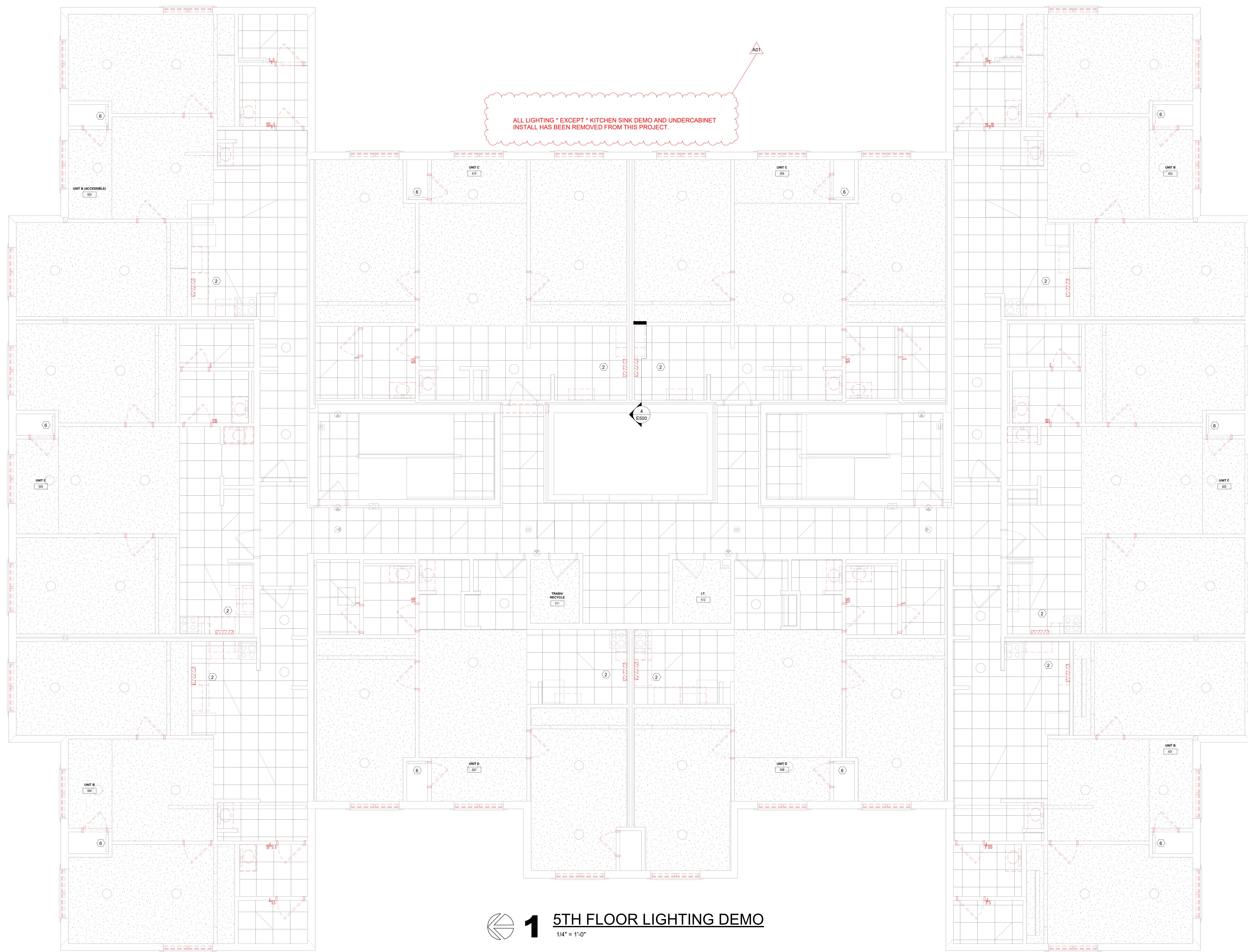
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Project Date: DECEMBER 16, 2025  
Drawn By: HSR - jmh

Key Plan:

Revisions: No. Description Date  
A01 ADDENDUM #1 01/25/2022

Graphic Scale: VARIES

Last Update: 1/8/2026 11:22:46 AM



**1 5TH FLOOR LIGHTING DEMO**

**ED105**

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Location: 820 La Crosse St  
La Crosse, WI 54601

6TH FLOOR LIGHTING DEMO PLAN

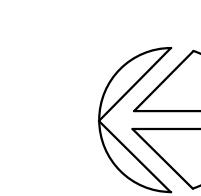
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HSR Project Number: **25040-2022**  
Project Date: **DECEMBER 16, 2025**  
Drawn By: **HSR - jmh**

Key Plan:

Revisions:  
No. Description Date  
A01 ADDENDUM #1 01/25/2022

Graphic Scale:  
**VARIES**

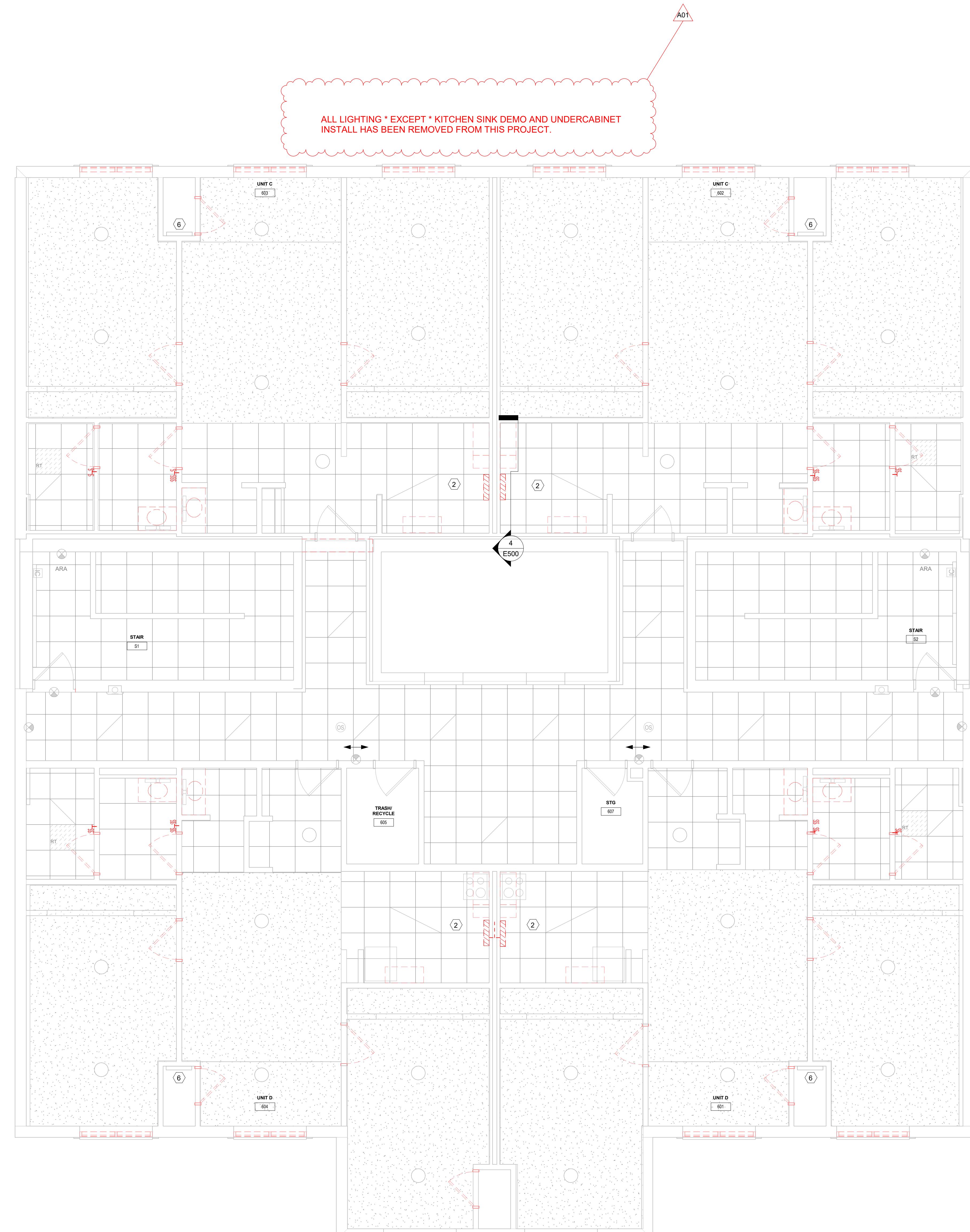
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**1/8/2026 11:22:46 AM**



**1**

**6TH FLOOR LIGHTING DEMO**

1/4" = 1'-0"



**ED106**



**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

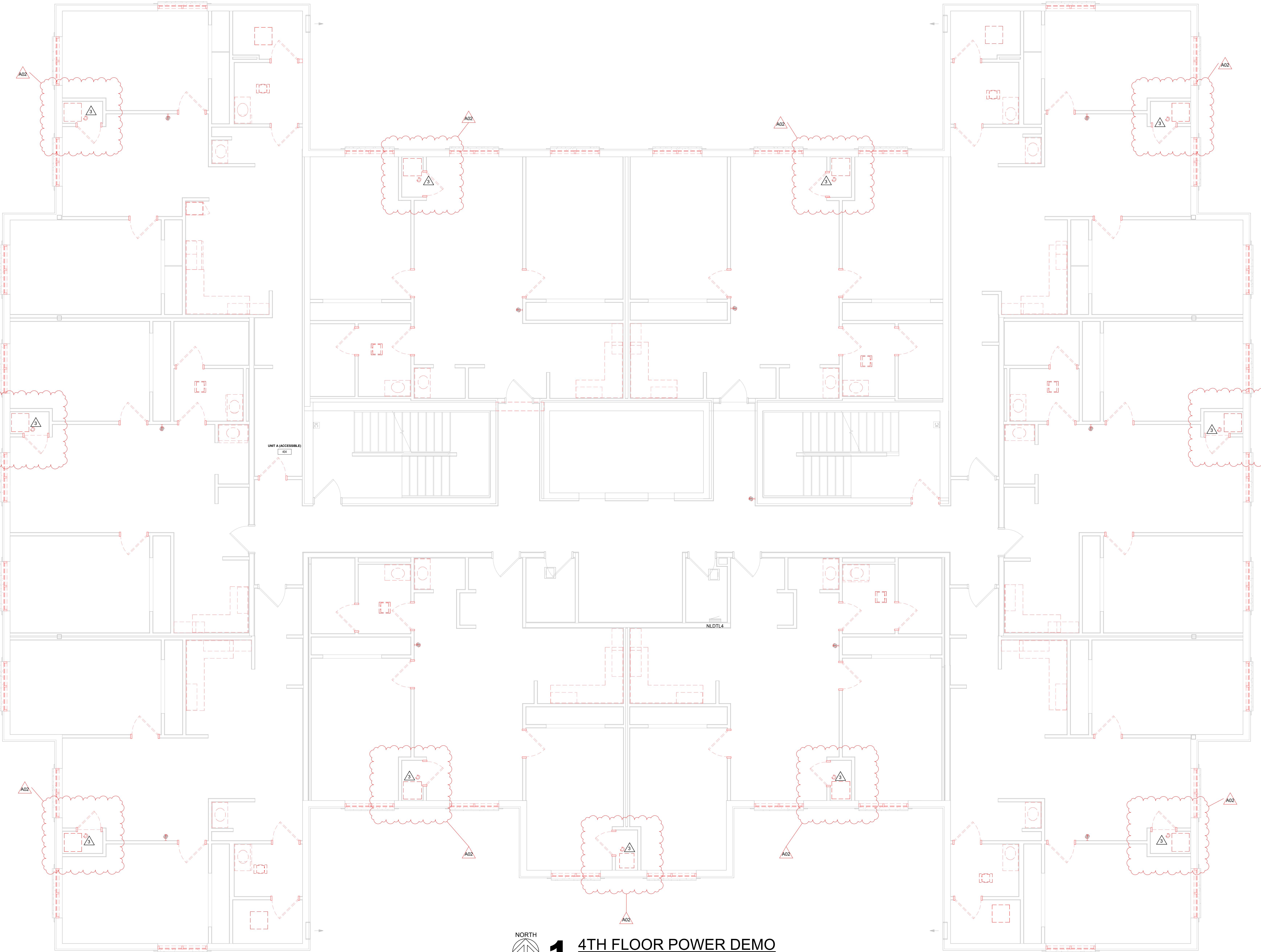
Project Location: 820 La Crosse St  
La Crosse, WI 54601

4TH FLOOR POWER DEMO PLAN

Project Title: 25040-2022  
HSR Project Number: 25040-2022  
Project Date: DECEMBER 16, 2025  
Drawn By: Author  
Key Plan:

Revisions:  
No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale: VARIES  
Last Update: 1/8/2026 11:22:47 AM



**ED204**

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

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Project Location: La Crosse, WI 54601

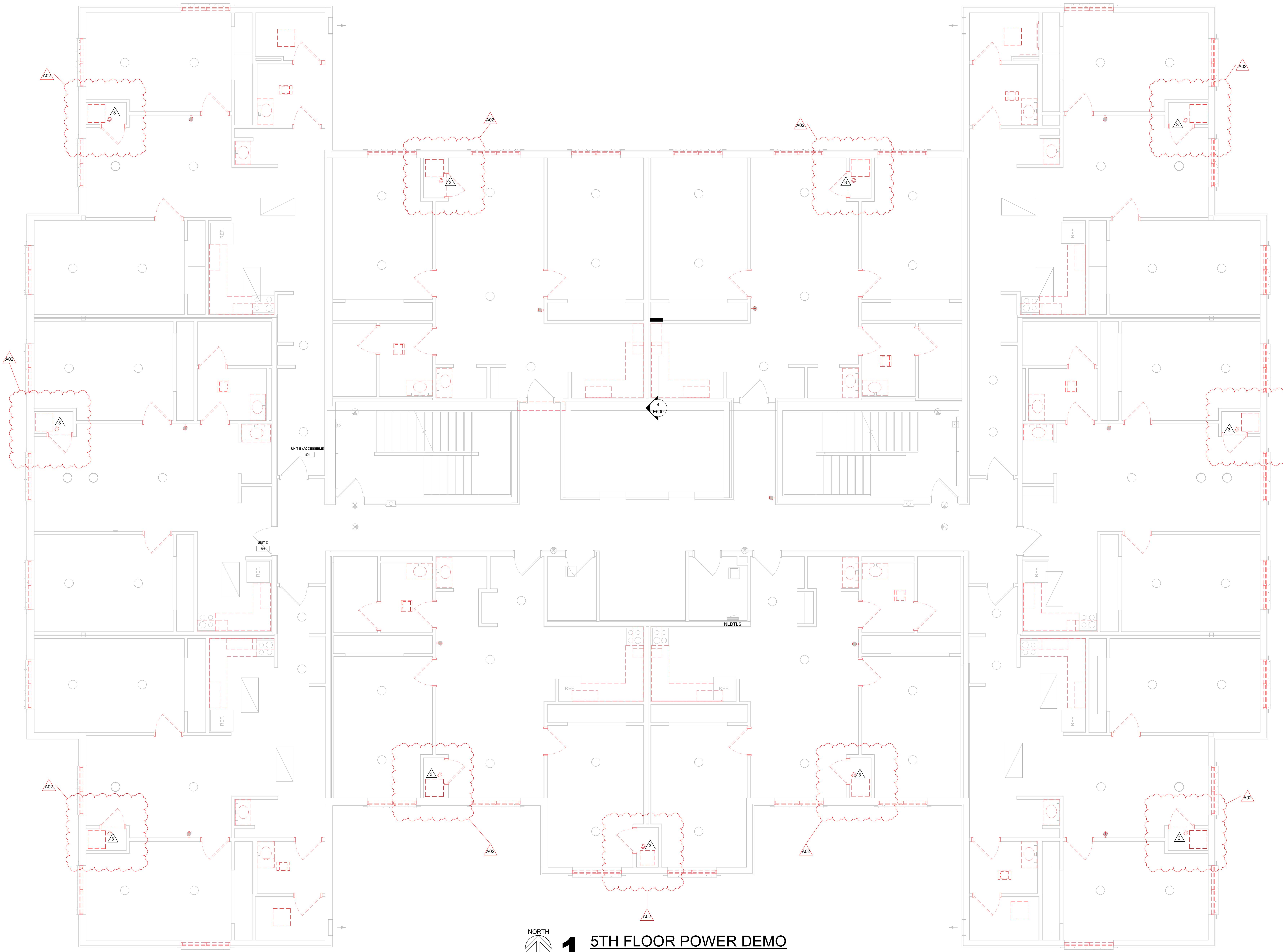
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HSR Project Number: 25040-2022  
Project Date: DECEMBER 16, 2025  
Drawn By: Author  
Key Plan:

Revisions:  
No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale: VARIES  
Last Update: 1/8/2026 11:22:48 AM

ED205



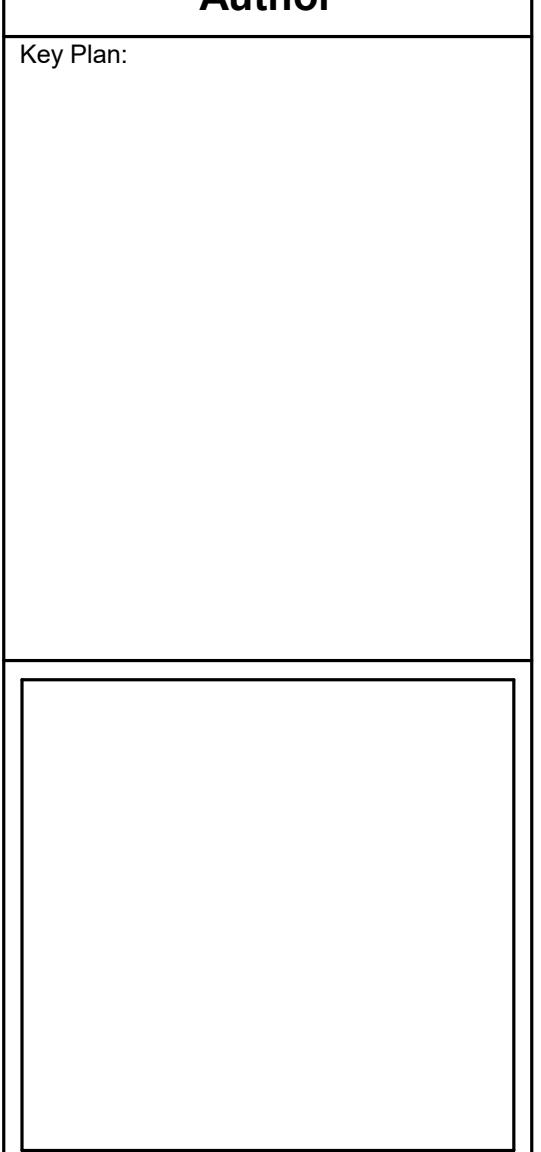


**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Title: 620 La Crosse St  
Project Location: La Crosse, WI 54601

Sheet Title: 6TH FLOOR POWER DEMO PLAN

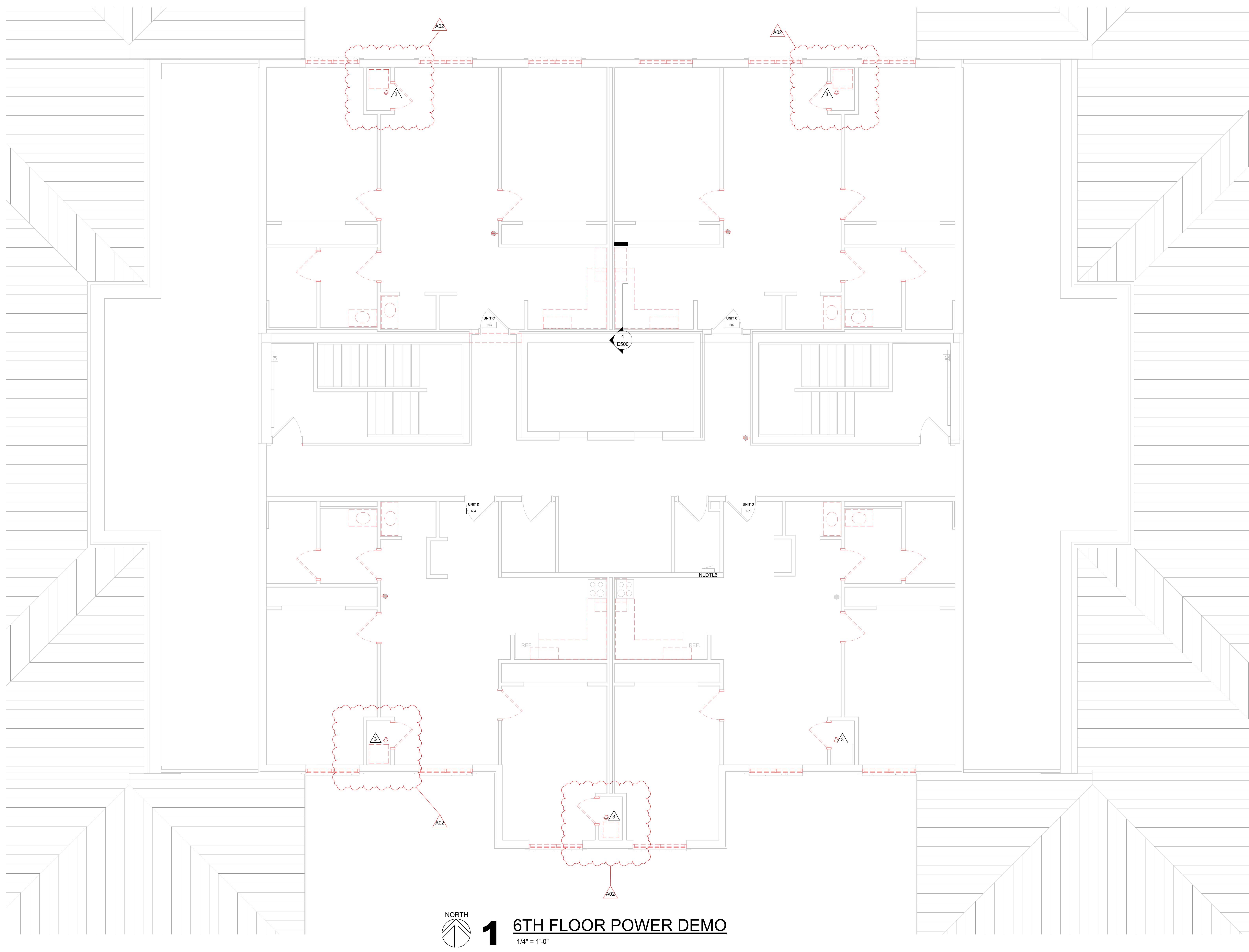
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Project Date: DECEMBER 16, 2025  
Drawn By: Author  
Key Plan:



Revisions:  
No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale: VARIES  
Last Update: 1/8/2026 11:22:49 AM

**ED206**



WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1

Project Location: 820 La Crosse St  
La Crosse, WI 54601

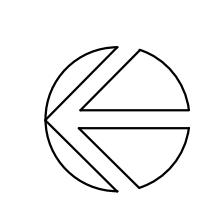
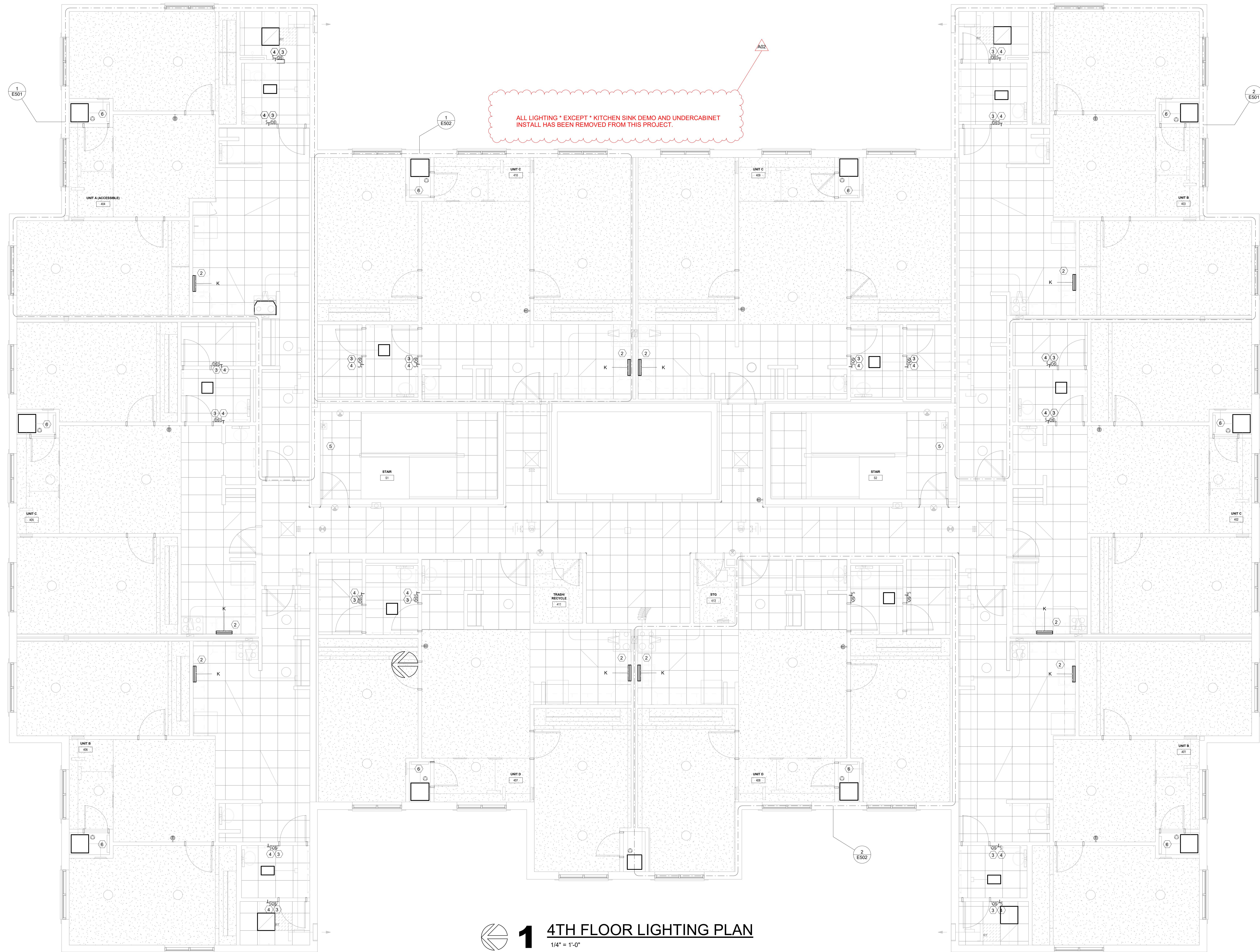
4TH FLOOR LIGHTING PLAN

Project Title: HSR Project Number: 25040-2022  
Project Date: DECEMBER 16, 2025  
Drawn By: HSR - jmh  
Key Plan:

Revisions: No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale: VARIES

Last Update: 1/8/2026 11:22:32 AM



1 4TH FLOOR LIGHTING PLAN  
1/4" = 1'-0"

**E104**

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Location: 820 La Crosse St  
La Crosse, WI 54601

5TH FLOOR LIGHTING PLAN

Project Title:  
HSR Project Number:  
25040-2022  
Project Date:  
DECEMBER 16, 2025  
Drawn By:  
HSR - jmh

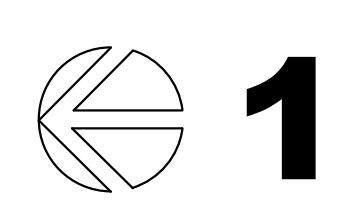
Key Plan:

Revisions:  
No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale:  
VARIES

Last Update:  
1/8/2026 11:22:35 AM


**E105**



**1** 5TH FLOOR LIGHTING PLAN  
1/4" = 1'-0"

ALL LIGHTING \* EXCEPT \* KITCHEN SINK DEMO AND UNDERCABINET  
INSTALL HAS BEEN REMOVED FROM THIS PROJECT.

A02



**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Location: 820 La Crosse St  
La Crosse, WI 54601

6TH FLOOR LIGHTING PLAN

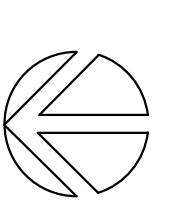
Project Title: 25040-2022  
HSR Project Number: 25040-2022  
Project Date: DECEMBER 16, 2025  
Drawn By: HSR - jmh  
Key Plan:

Revisions:  
No. Description Date  
A02 ADDENDUM #2 01/07/2026

Graphic Scale:  
VARIES

Last Update: 1/8/2026 11:22:36 AM

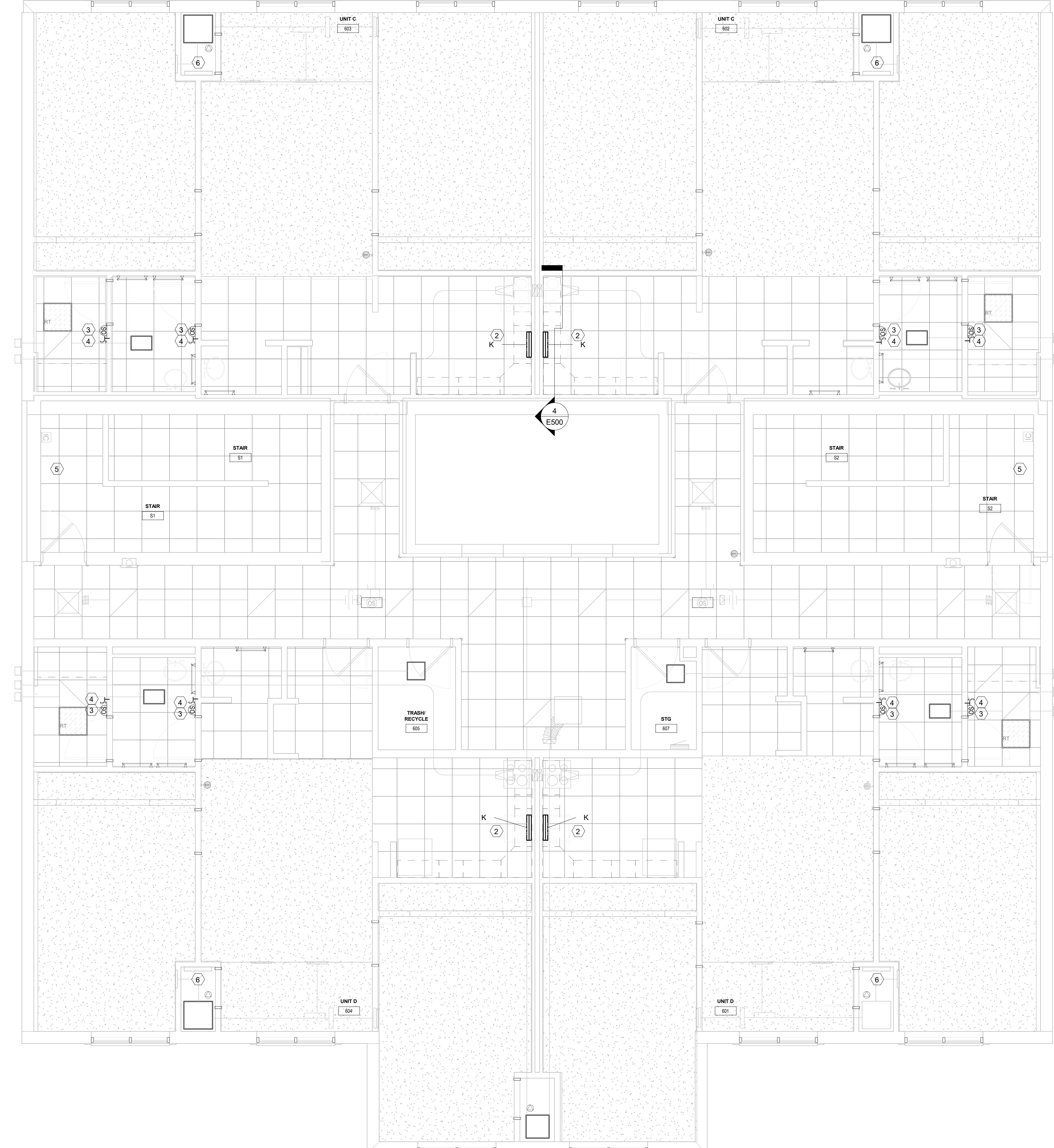
**E106**



**1**

**6TH FLOOR LIGHTING PLAN**  
1/4" = 1'-0"

ALL LIGHTING \* EXCEPT \* KITCHEN SINK DEMO AND UNDERCABINET  
INSTALL HAS BEEN REMOVED FROM THIS PROJECT.





**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Title: 820 La Crosse St  
Project Location: 820 La Crosse, WI 54601

Sheet Title: 4TH FLOOR POWER PLAN

Project Number: 25040-2022  
Project Date: DECEMBER 16, 2025  
Drawn By: Author  
Key Plan:

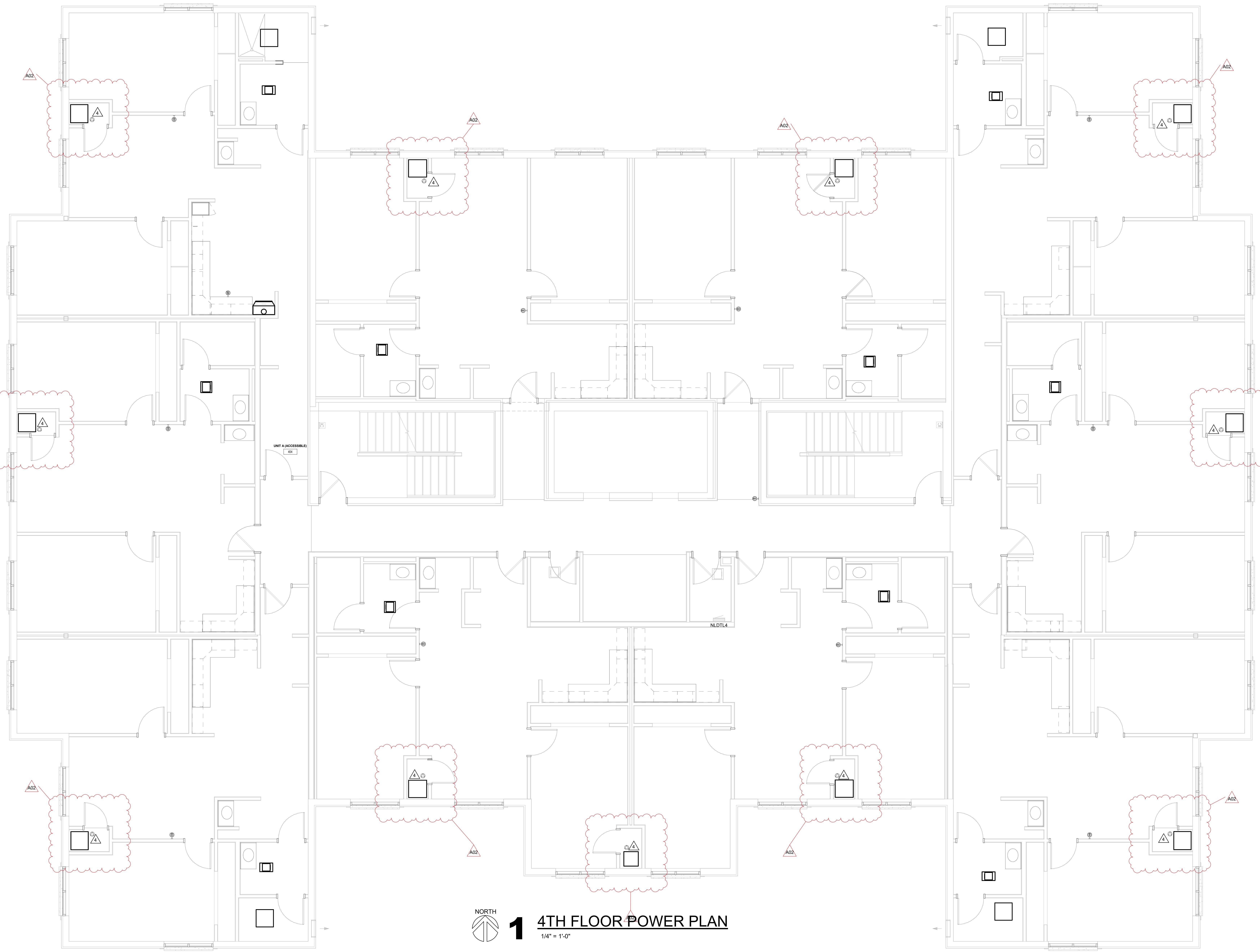
Revisions:

No. Description Date

A02 ADDENDUM #2 01/07/2026

Graphic Scale: VARIES

Last Update: 1/8/2026 11:22:37 AM



**E204**

**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

Project Location: 820 La Crosse St  
La Crosse, WI 54601

5TH FLOOR POWER PLAN

Project Title: HSR Project Number: 25040-2022  
Project Date: DECEMBER 16, 2025  
Drawn By: Author  
Key Plan:

Revisions:

No. Description Date

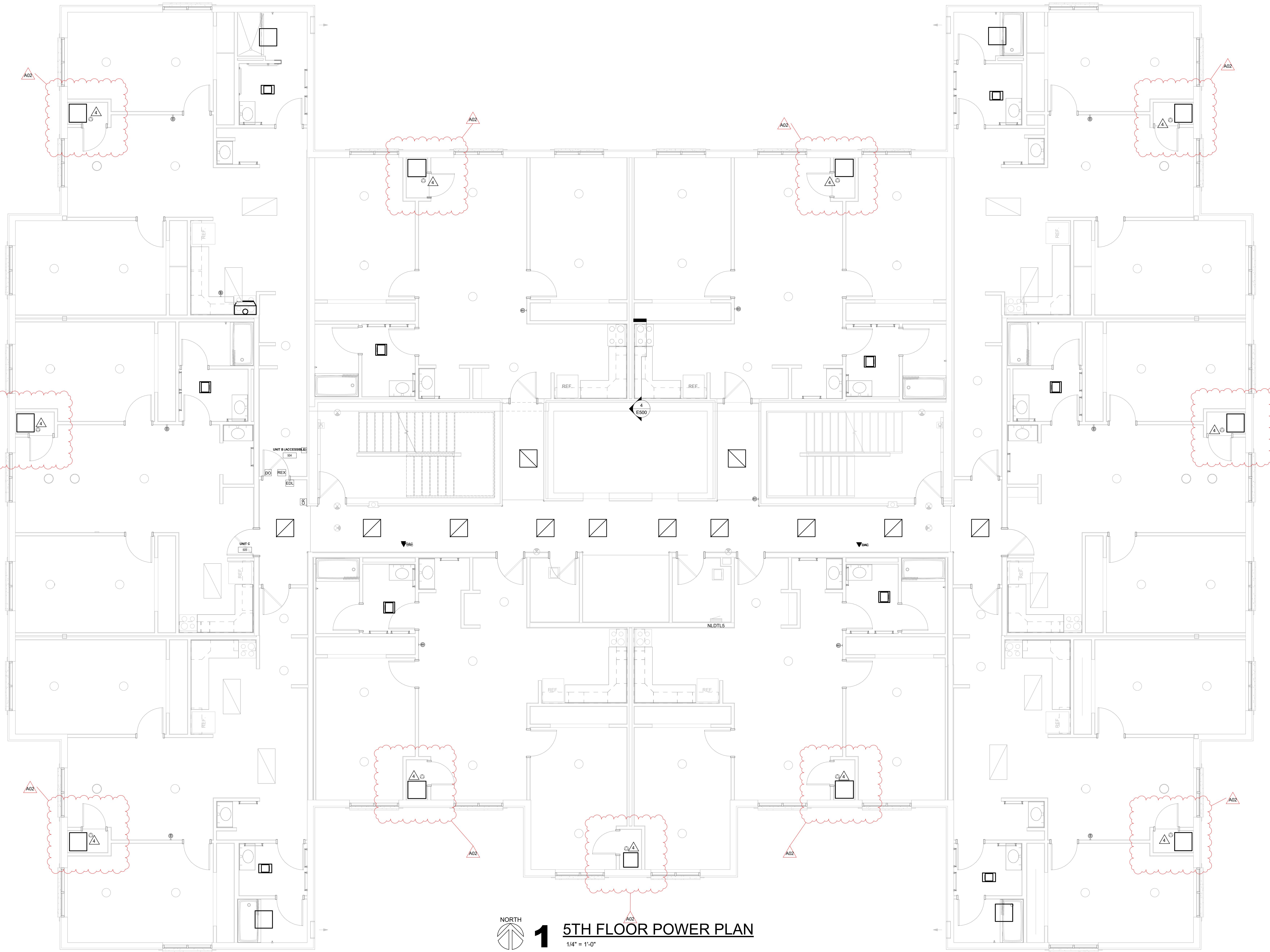
A02 ADDENDUM #2 01/07/2026

Graphic Scale:

VARIABLES

Last Update:

1/8/2026 11:22:38 AM



**E205**



**WESTERN TECHNICAL COLLEGE  
RESIDENCE HALL RENOVATION, PHASE 1**

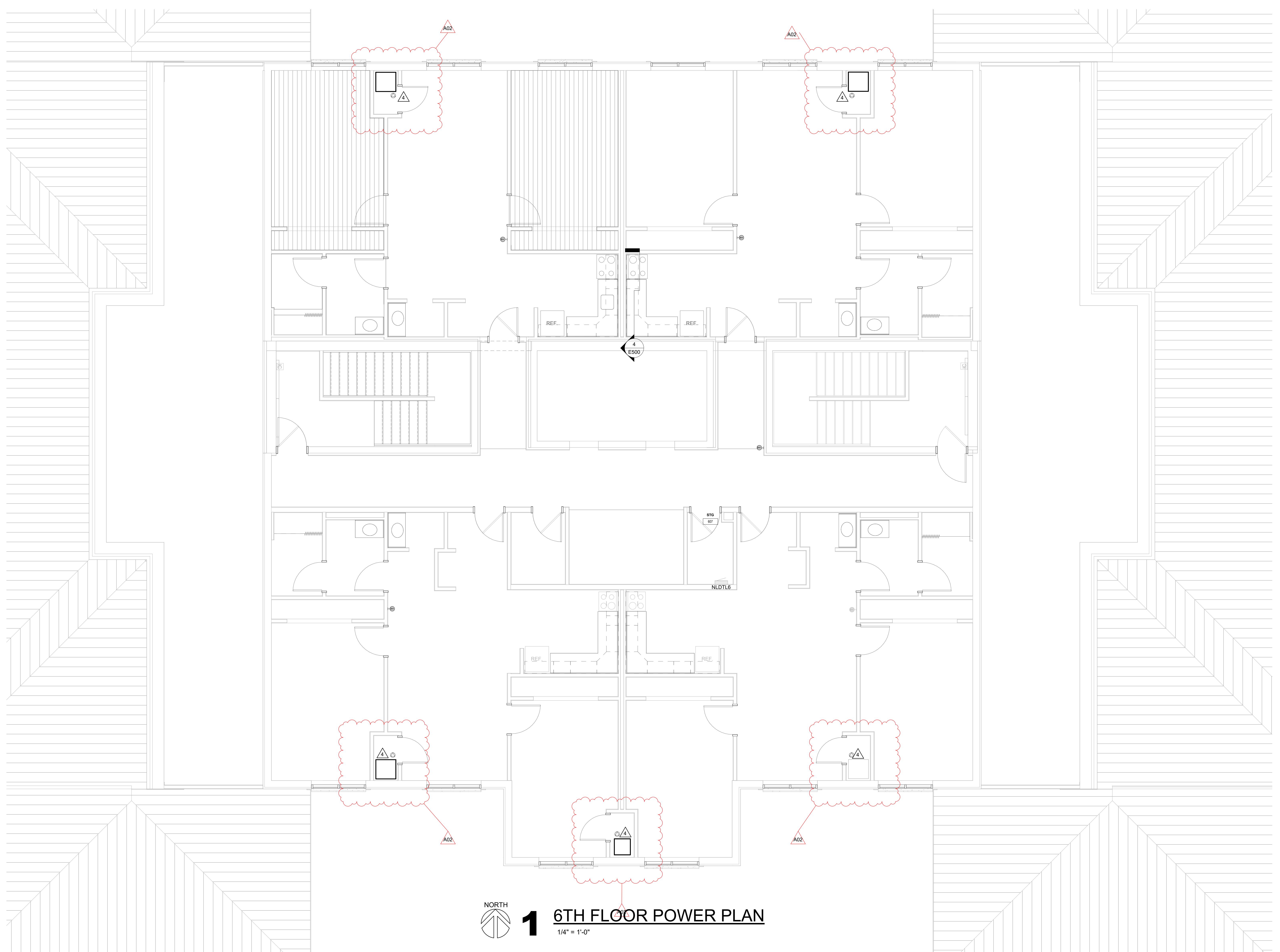
Project Location: 820 La Crosse St  
La Crosse, WI 54601

6TH FLOOR POWER PLAN

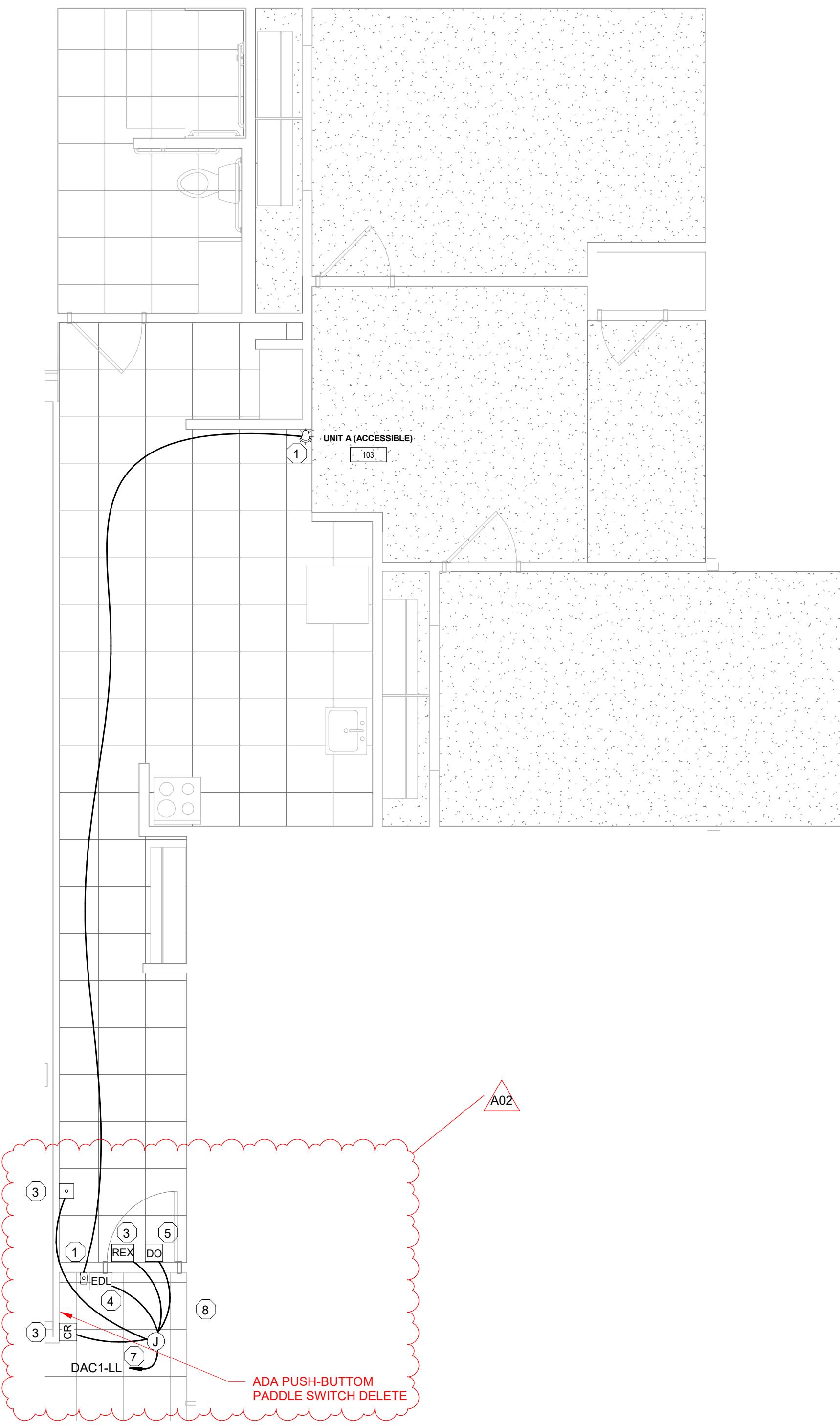
Project Title: HSR Project Number: 25040-2022  
Project Date: DECEMBER 16, 2025  
Drawn By: Author  
Key Plan:

Revisions:		
No.	Description	Date
A02	ADDENDUM #2	01/07/2026

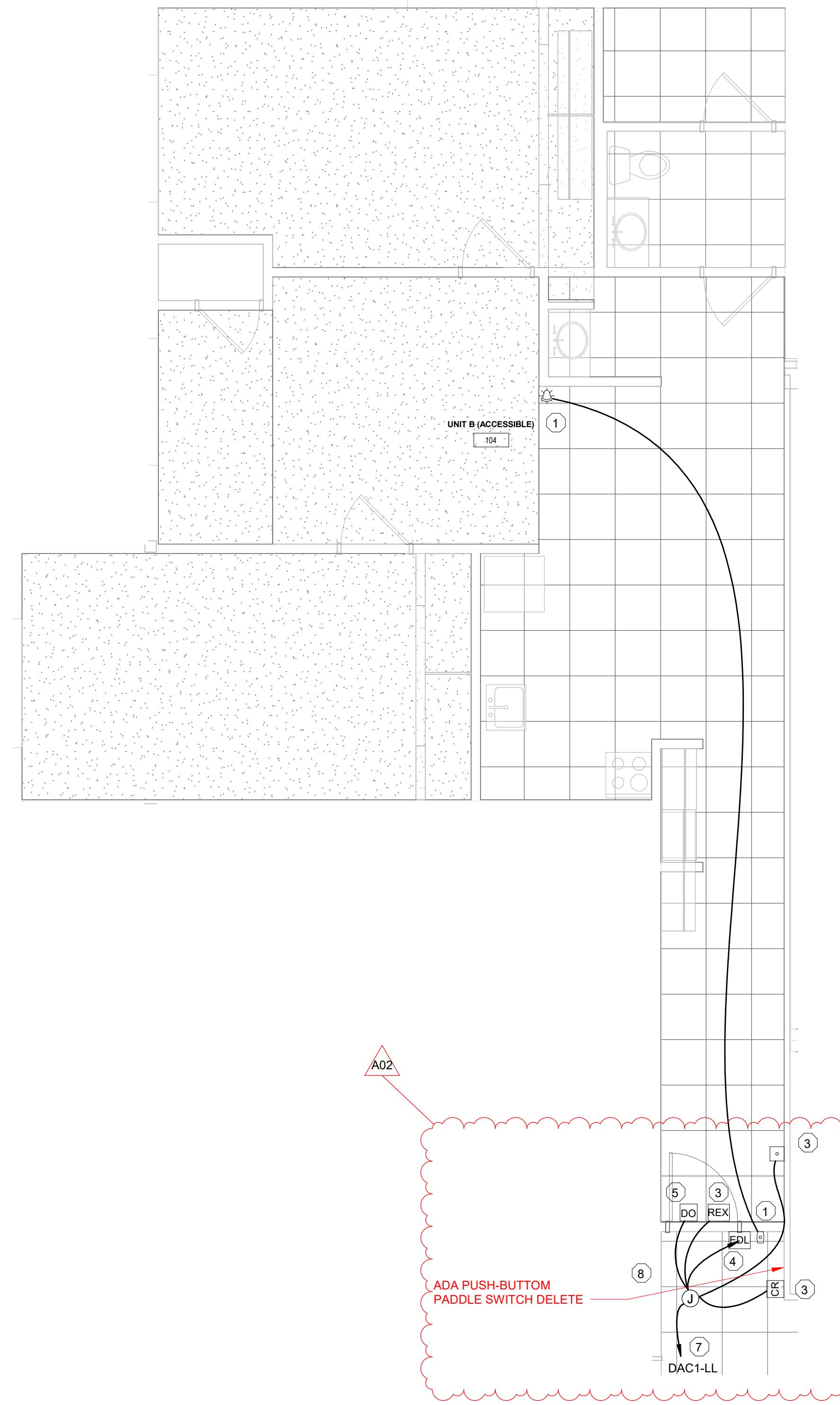
Graphic Scale: VARIES  
Last Update: 1/8/2026 11:22:39 AM



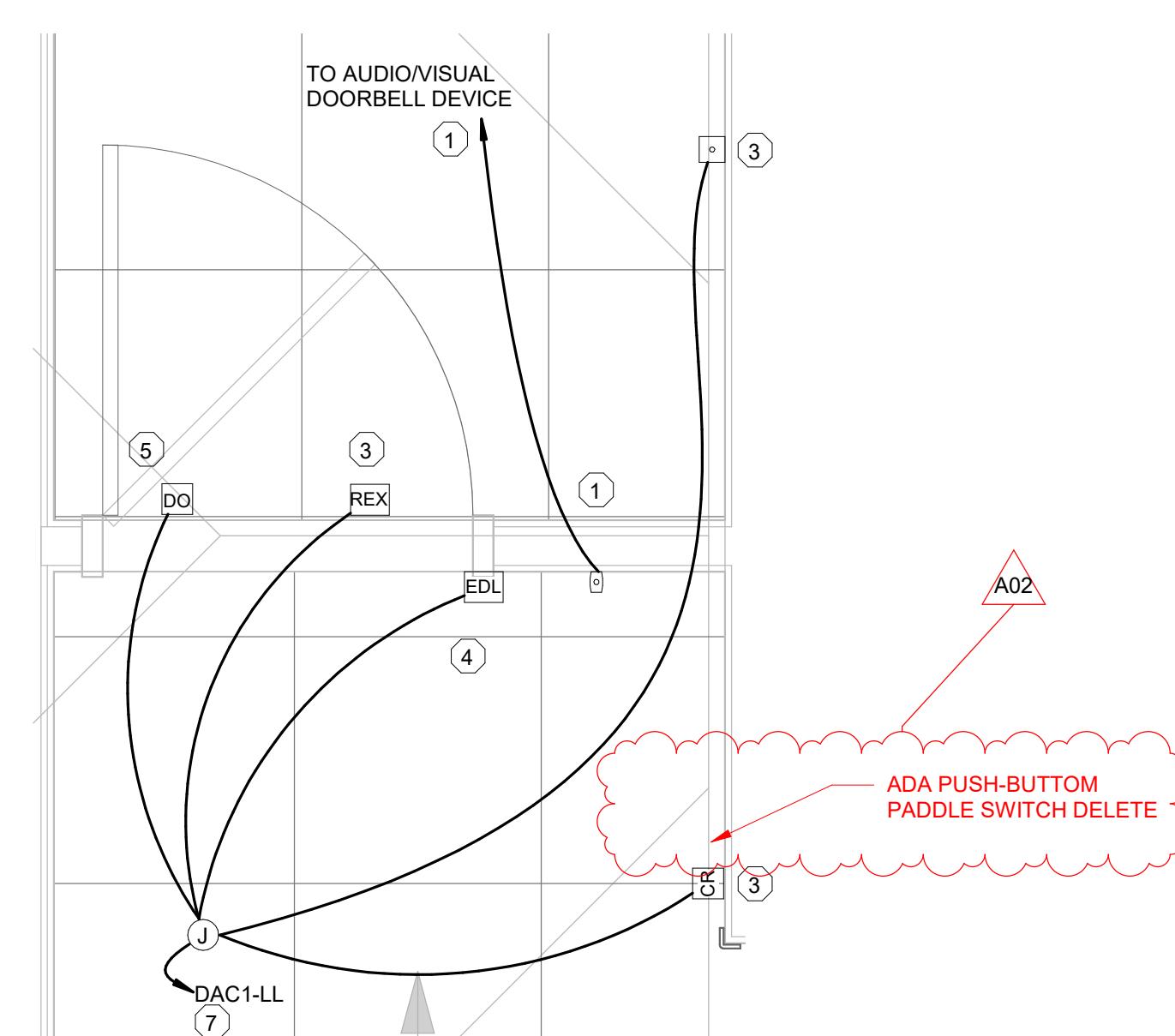
**E206**



**3** ENLARGED ADA UNIT #103  
LOW VOLTAGE PLAN  
1/4" = 1'-0"

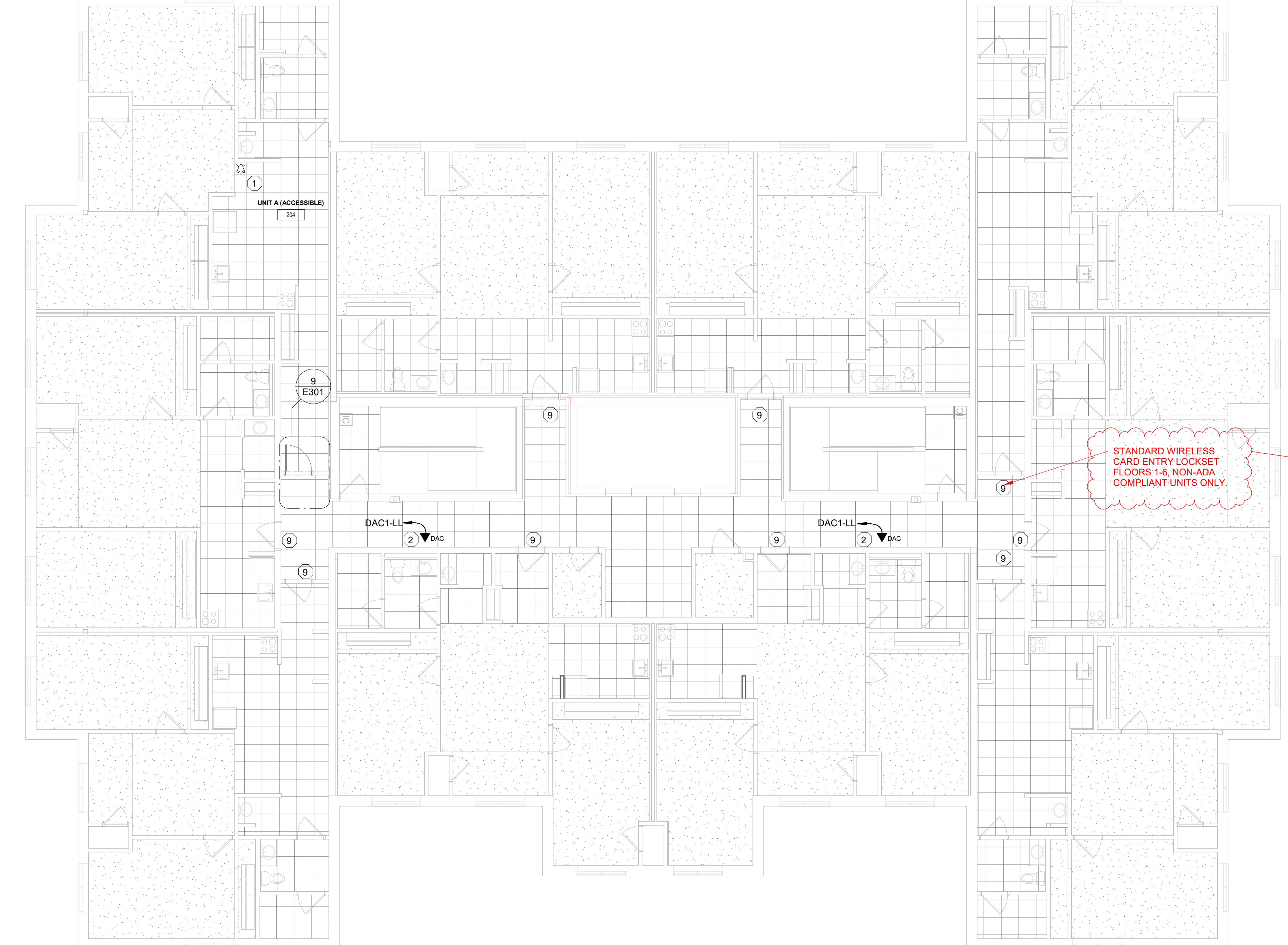


**17** ENLARGED ADA UNITS  
#104, 204, 304, 404, 504  
LOW VOLTAGE PLAN  
1/4" = 1'-0"

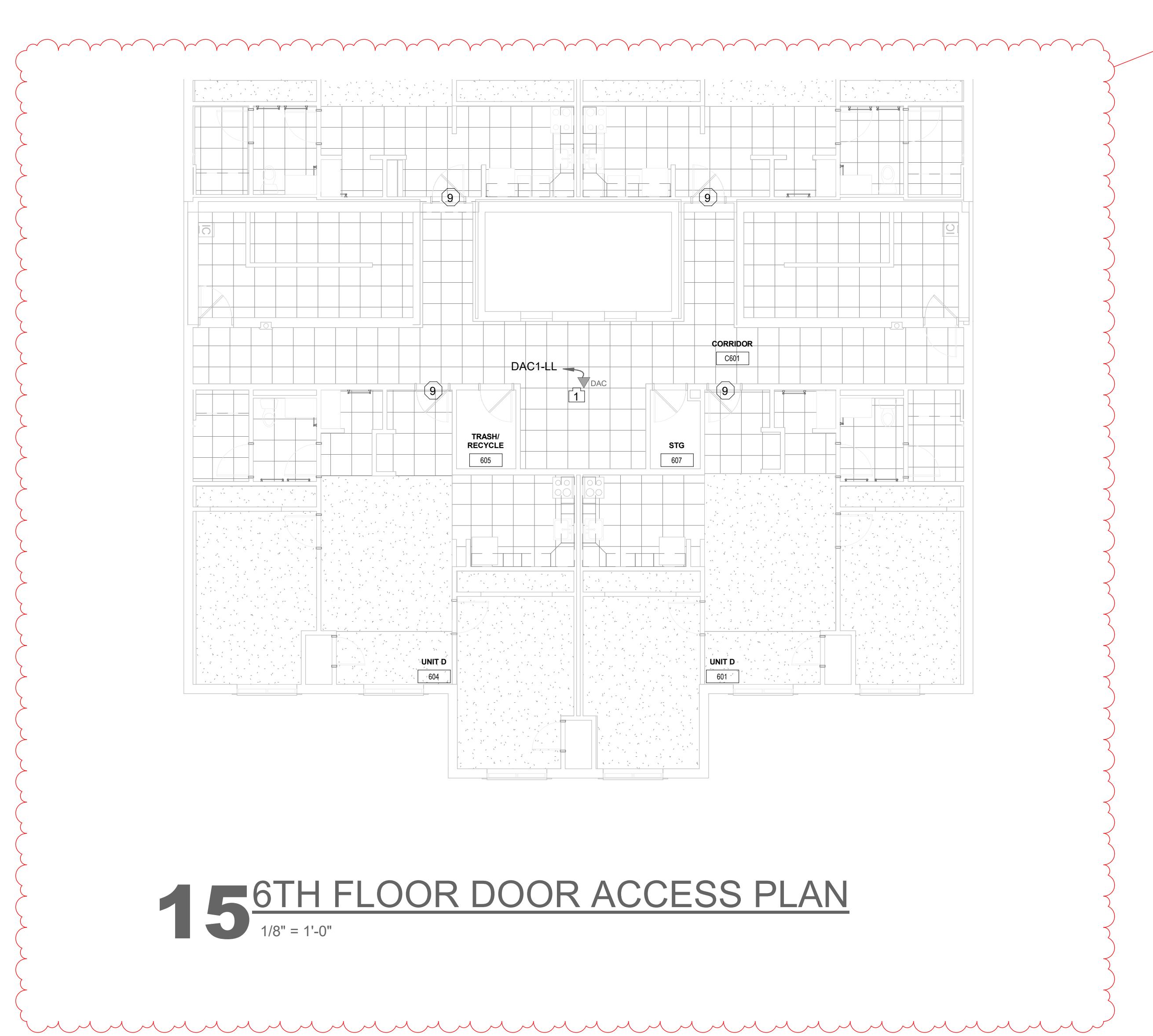


**9** ADA SUITE ENTRY  
ENLARGED DETAILS  
3/4" = 1'-0"

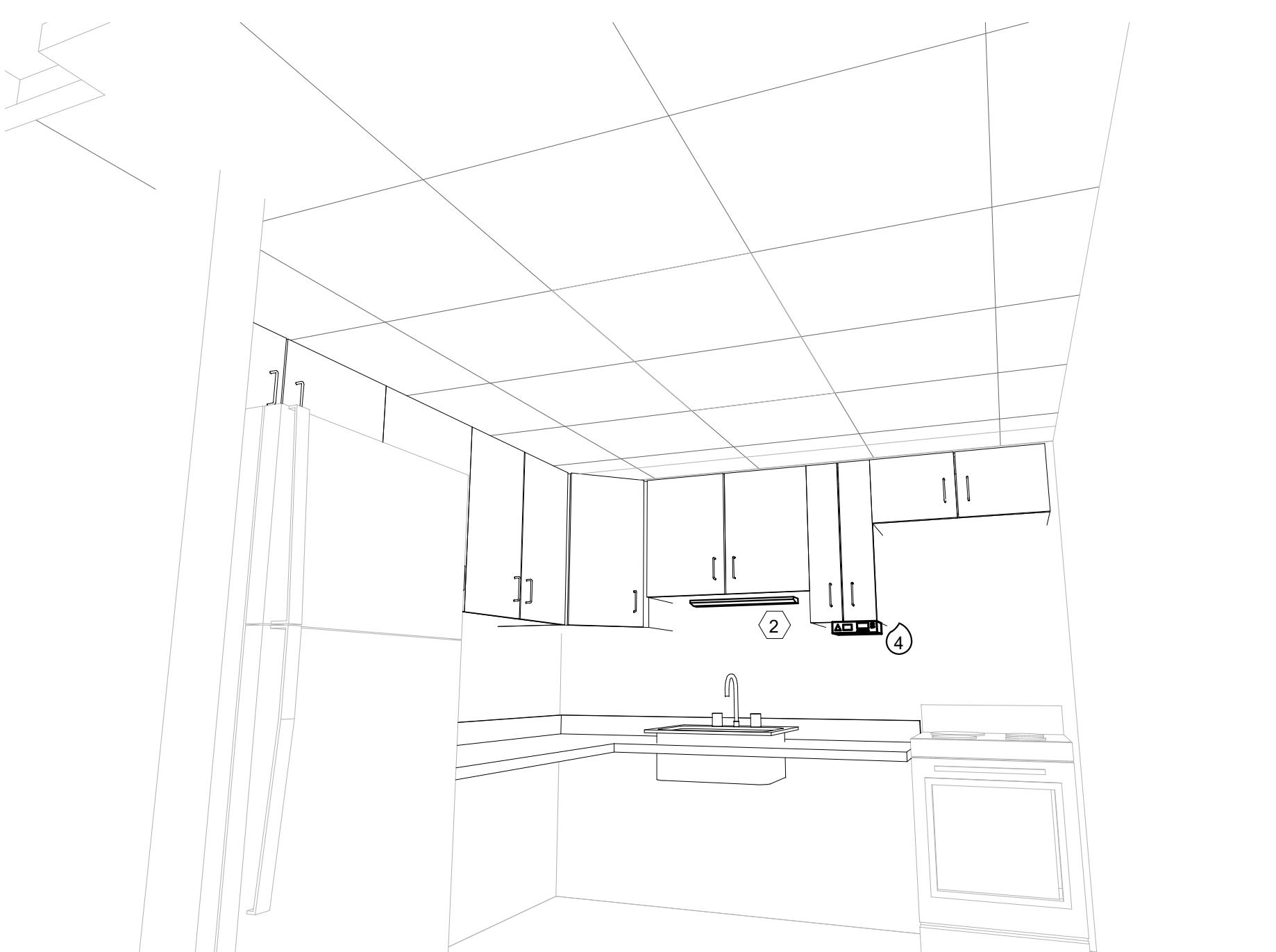
**10** LOWER LEVEL DATA  
ROOM #001 - ENLARGED  
1/2" = 1'-0"



**12** 1ST FLOOR AND 2ND THRU 6TH FLOOR  
DOOR ACCESS PLAN (TYP)  
1/8" = 1'-0"



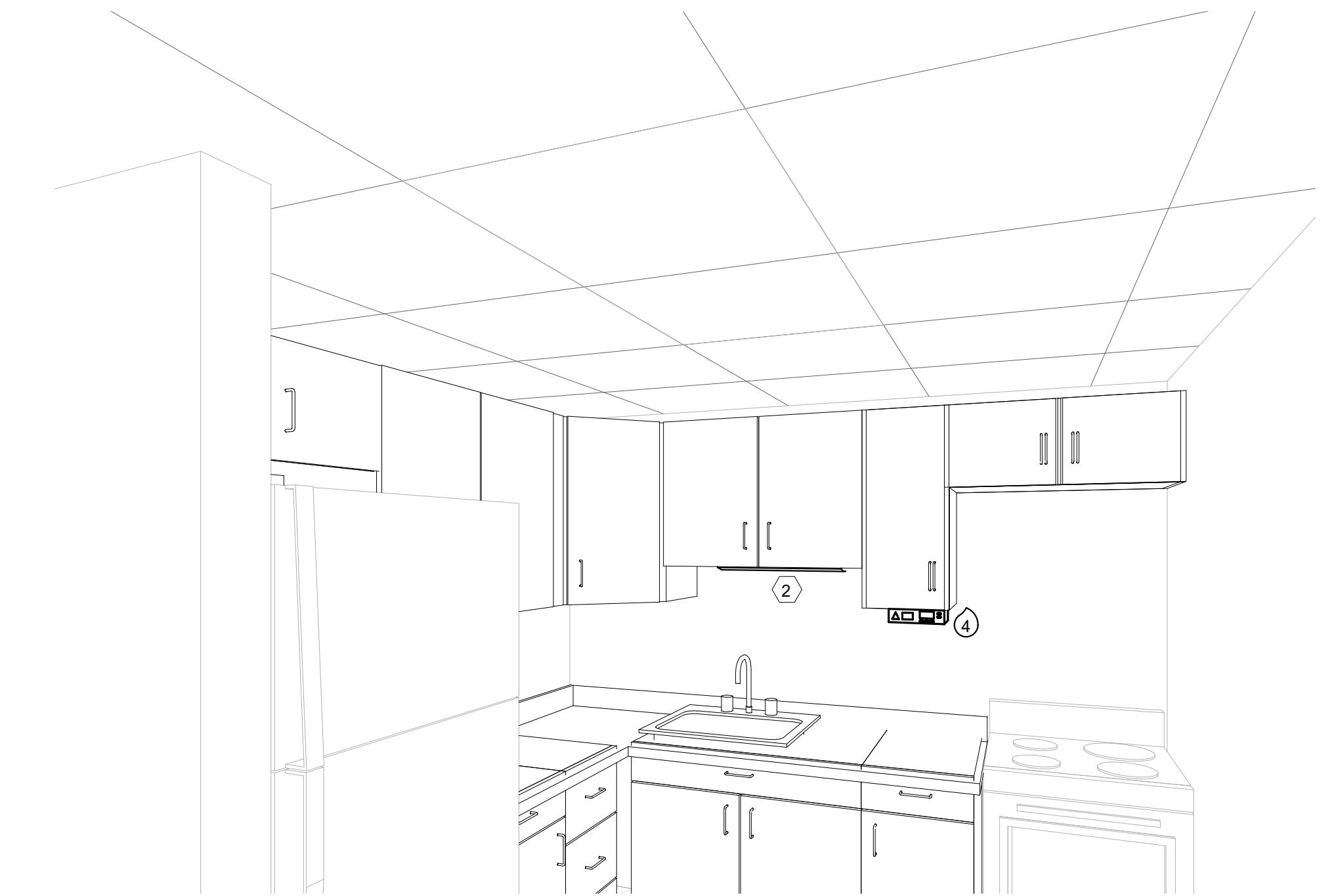
**15** 6TH FLOOR DOOR ACCESS PLAN  
1/8" = 1'-0"



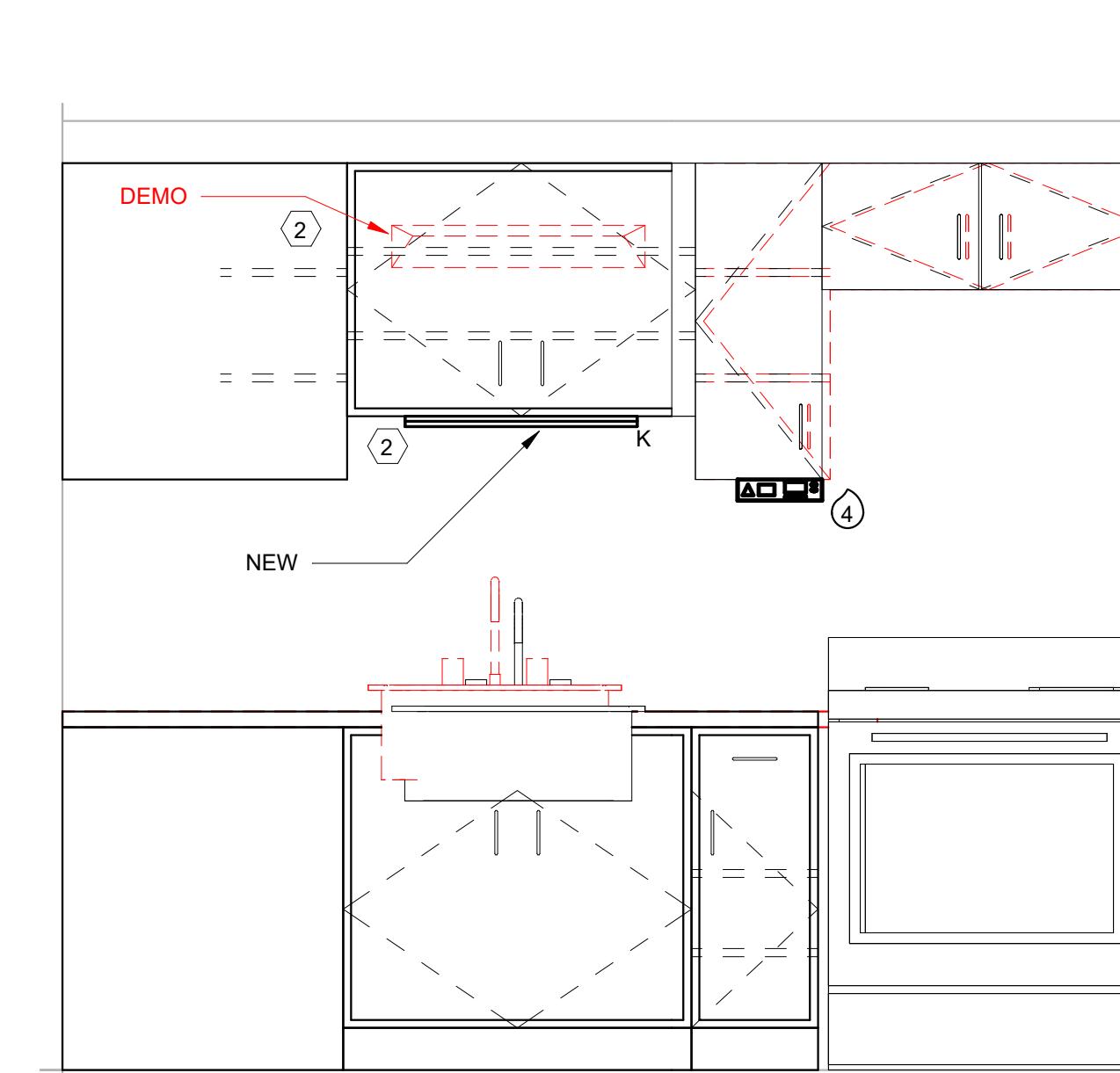
**1** 3D VIEW, KITCHEN #515



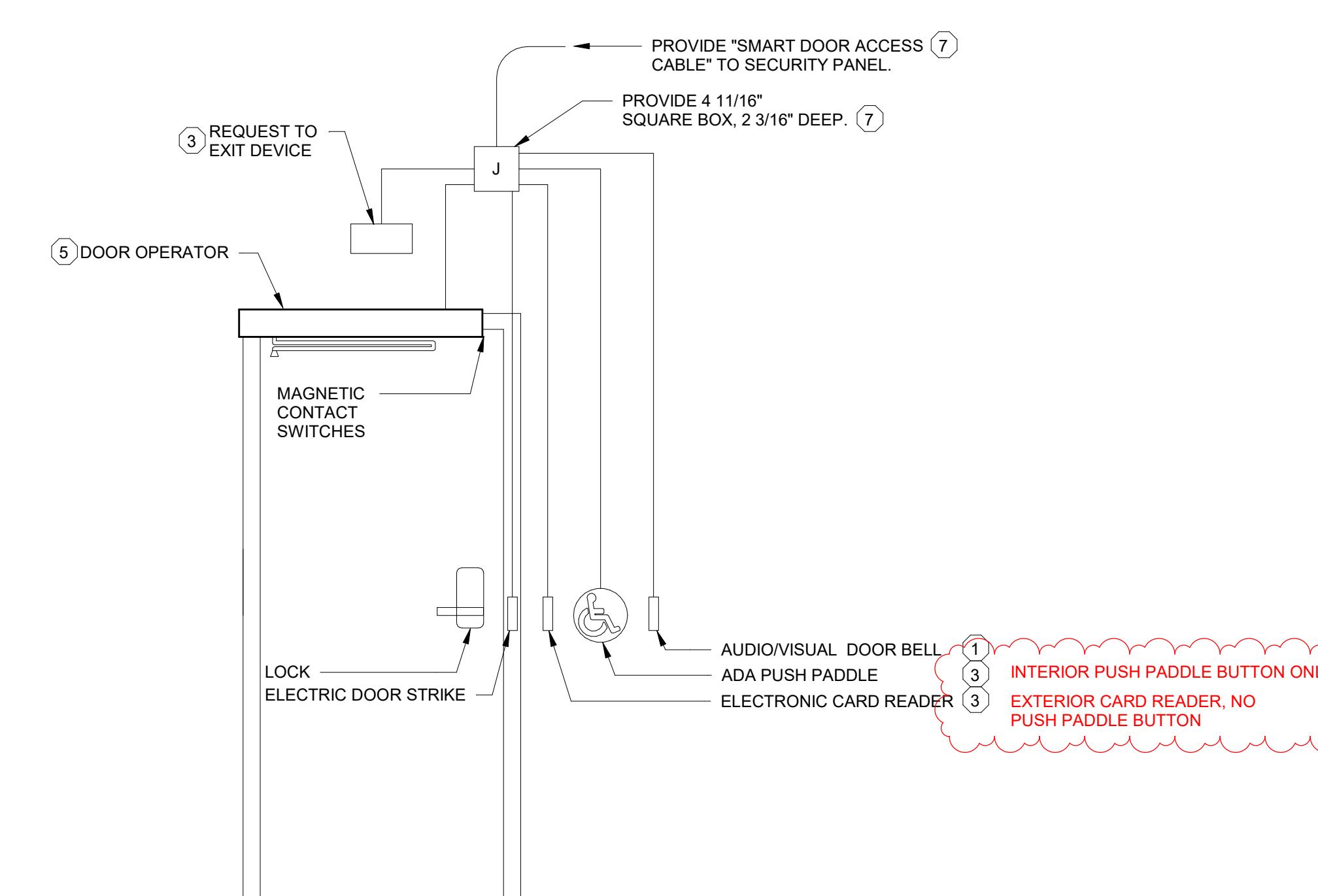
**2** 3D View, KITCHEN #4042



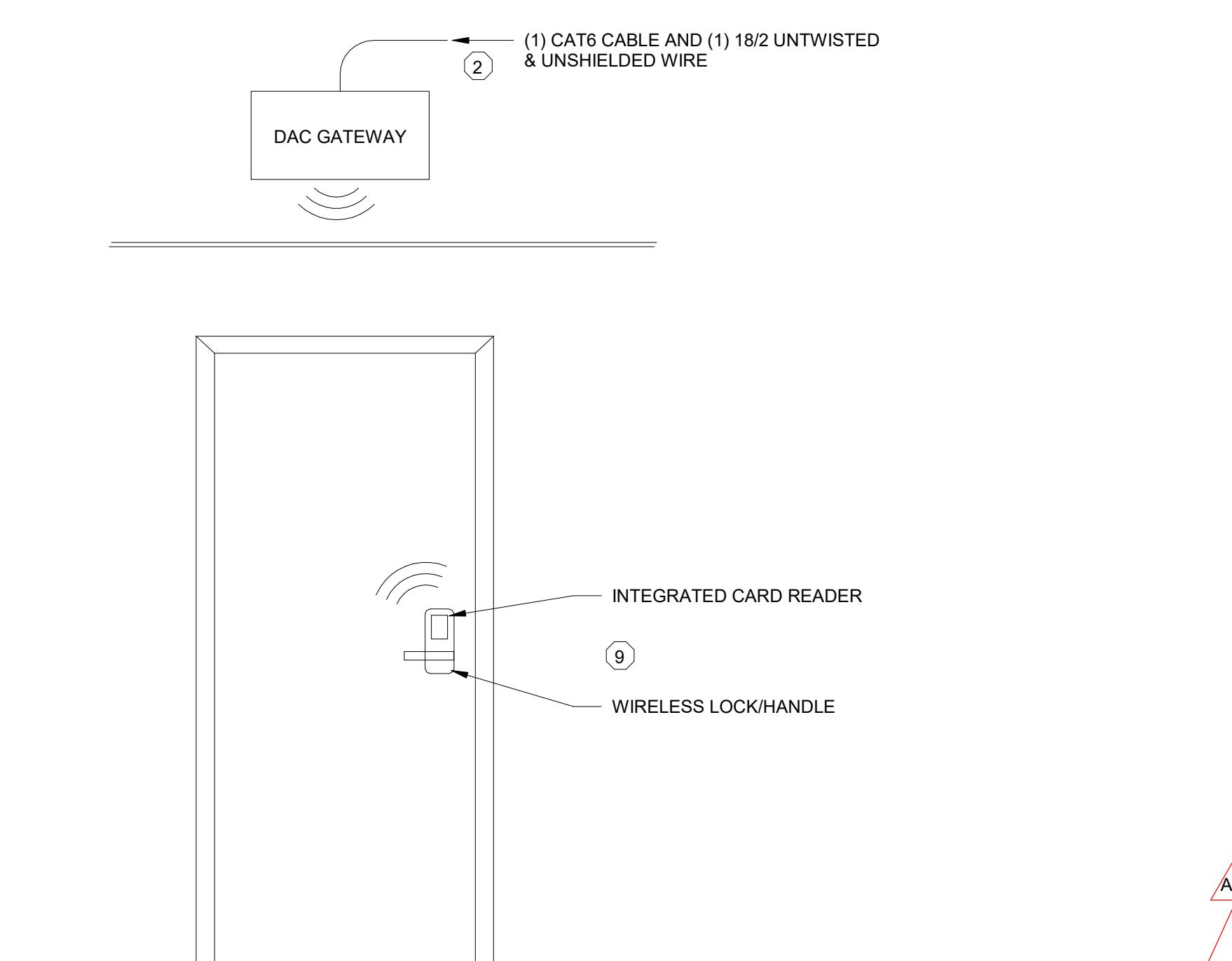
**3** 3D View, KITCHEN #505



**4** Section View, #602 KITCHEN SINK  
3/4" = 1'-0"



**5** WTC ADA DOOR ACCESS DETAIL  
NTS



**6** WTC NON-ADA UNIT  
WIRELESS DOOR ACCESS DETAIL,  
FLOORS 1-6  
NTS

Project Title:	HSR Project Number:	
	25040-2022	
Project Date:	DECEMBER 16, 2025	
Drawn By:	HSR - jmh	
Key Plan:		

Revisions:		
No.	Description	Date
A01	ADDENDUM #1	01/25/2022

Graphic Scale:

VARIES

Last Update:		
	1/8/2026	11:22:44 AM

**E500**