

ADDENDUM NO. 2

TO: PLANS AND SPECIFICATIONS FOR THE STATE OF MISSOURI

HVAC Improvements
Fulton Reception and Diagnostic Center
Fulton, Missouri
Project No.: C2406-01

Bid Opening Date: 1:30 PM, January 6th, 2026 (Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

Section 007300

- 1) Replace Paragraph 2.0 Contract Specialist with the following:
Mandy Roberson
Division of Facilities Management, Design and Construction
301 West High Street, Room 730
Jefferson City, MO 65101
Telephone: 573-522-0074
Email: Mandy.Roberson@oa.mo.gov

Section 230913

- 1) Paragraph 1.1: Delete Humidistats and thermostats.
- 2) Paragraph 2.1: Add subparagraph B to clarify which control panels are to be provided with RTU's vs. provided by the BAS contractor.
- 3) Paragraph 2.2-A: Add requirement for control dampers to be furnished by the sheet metal contractor.
- 4) Delete paragraph 2.4.
- 5) Paragraph 2.5-A: Add subparagraph 4 to clarify which input/output sensors and transmitters are to be provided with RTU's vs. provided by the BAS contractor.
- 6) Delete paragraph 2.8.

Section 230923

- 1) Paragraph 2.1 A: Revise approved manufacturer to solely be Schneider Electric by C&C Group.

Section 233713

- 1) Paragraph 2.3 A: Add Curbs Plus as an acceptable manufacturer.

Section 237413

- 1) Paragraph 2.13 C: Revise thermostat section to be space sensors provided by the RTU manufacturer shipped loose and field installed in the return/exhaust air ducts.

Section 284600

- 1) Paragraph 3.5 B: Remove reference to fire alarm connection to smoke control system.

DRAWING CHANGES:

A201 – Level 2 RCP – Building D

- 1) Materials Legend:
 - a. Revise the Epoxy paint number to match the RCP General Notes.
 - b. Revise the reference to Interior Epoxy Coatings spec section.

A400 – Building Sections & Details

- 1) A5 and A12 Building Sections:
 - a. Revise the existing ceilings to remain.
 - b. Edited notes for existing ceilings and materials.
- 2) Detail D3 Dayroom Soffit
 - a. Edited notes for existing ceilings and materials.

Sheet M101.Ba – HVAC – Level 1 Plan – Building B – Area A

- 1) Remove wall-mounted space sensors.
- 2) Add note that sheet is provided for reference only. Scope has been removed from construction documents.

Sheet M101.D – HVAC – Level 1 Plan – Building D

- 1) Remove wall-mounted space sensors from dayrooms.
- 2) Delete keynote M78.
- 3) Add keynote M46 and requirement for connecting electric meter to BAS.

Sheet M101.L – HVAC – Level 1 Plan – Building L

- 1) Remove wall-mounted space sensors from dayrooms.
- 2) Delete keynote M78.
- 3) Add keynote M46 and requirement for connecting electric meter to BAS.

Sheet M102.Ba – HVAC – Level 2 Plan – Building B – Area A

- 1) Add temperature sensor, CO2 sensor and humidity sensor to return duct at each dayroom RTU.
- 2) Add keynote 44.

Sheet M102.D – HVAC – Level 2 Plan – Building D

- 1) Add temperature sensor and humidity sensor to return duct at each dayroom RTU.
- 2) Add keynote 43.

Sheet M102.L – HVAC – Level 2 Plan – Building L

- 1) Add temperature sensor and humidity sensor to return duct at each dayroom RTU.
- 2) Add keynote 43.

Sheet M103.L – Mechanical Roof Plan – Building L

- 1) Revise dayroom ventilation fan keynote 30 to keynote 19 to indicate exhaust fan is to remain and not demolished. Delete keynote 30.

Sheet 400 – Mechanical Schedules

- 1) Revise RTU schedule note C to indicate 4" MERV-13 filters in lieu of 2".
- 2) Revise RTU schedule notes D & U to indicate fused disconnects with 65 KAIC ratings.
- 3) Revise RTU schedule note M to indicate roof curbs with integrated security bars.
- 4) Revise RTU schedule note T to indicate modulating gas heat is required.

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- 5) Add RTU schedule note X to indicate additional requirements for the 100% outside air RTU's.

Sheet 600 – Mechanical Controls

- 1) Revise RTU control matrices to reflect control panels and sensors by RTU manufacturer.
- 2) Add electricity metering to Global Building Monitoring.

E301.D – Equipment Connection-Level 1-Bldg D

- 1) Equipment Connection - Bldg. D - typ. of Bldgs. E,F,G,&K:
 - a. Remove connection to firefighter control panel.
 - b. Add connection to replaced Fire Alarm Control Panel.

E301.L – Equipment Connection-Level 1-Bldg L

- 1) Equipment Connection - Bldg. L - typ. of Bldgs. M:
 - a. Remove connection to firefighter control panel.
 - b. Add connection to replaced Fire Alarm Control Panel.

FA000 – FIRE ALARM GENERAL NOTES AND LEGEND

- 1) Fire Alarm Scope of Work Notes:
 - a. Remove note 2 regarding smoke control systems.

BIDDERS QUESTIONS AND RESPONSES:

1. Please confirm whether the renovation project requires an integration into Fulton State Hospital's existing JCI Metasys BAS or if the building is to be standalone?

Response: This Facility is a Department of Corrections Facility. It is completely stand alone, has nothing to do with the Department of Mental Health. It has a Schneider Controls system by C&C Group.

2. The previous bid prison projects had the PotterNet software system. Will this site need Network connections like the other Prisons did and if so is it SF or MM fiber? If connection to smoke control is required, a smoke control user interface and one relay and input module will be needed for each point of smoke control.

Response: The buildings will need to be networked together using multimode fiber. The interface, relays, and modules for smoke control do not currently exist and are not needed with the new system.

3. Clarify Control Dampers to be provided by sheet metal contractor (230913).

Response: Specification has been updated as noted. Refer to attached revised specification.

4. Remove Andover Continuum controls from approved vendor list and specify Schneider Electric by C&C Group (230923-2.1).

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Response: Specification has been updated as noted. Refer to attached revised specification.

5. Modify 237413-2.13C to call for all space sensors (Temperature, Humidity, and CO2 to be communicating devices so they are visible through the BAS Interface.

Response: Specification has been updated as noted. Refer to attached revised specification.

6. Modify Note B (Division 23 contractor shall provide device) on M600 to read (Equipment Manufacturer shall provide device).

Response: Drawing has been updated as noted. Refer to attached revised drawing.

7. Modify Rooftop Unit Control Matrix on M600 to read Equipment manufacturer shall provide control panel(s), wiring, thermostat(s), temperature sensor(s), humidistat(s), and/or CO2 Sensor(s).

Response: Drawing has been updated as noted. Refer to attached revised drawing.

8. 284600-3.5B calls for the Fire Alarm system to connect to the BAS to activate the smoke control system. FA000 Fire Alarm Scope of work note 2 calls for the Fire Alarm system to be reconnected to the existing smoke control system. We currently don't have a smoke control system in this site.

Response: Specification and drawing have been updated to remove reference to BAS and smoke control system. Refer to attached revised specification and drawing.

9. E301 Sheets Note E18 calls for fire fighter control panels. These are not shown anywhere else on the drawings. If they are part of the job who is providing and monitoring these.

Response: Drawing has been updated to remove reference to fire fighter control panels. Refer to attached revised drawing.

10. E201.D Note E14 calls for monitoring connection to the panelboard metering system, this system is not shown anywhere else in the drawings.

Response: Mechanical Controls drawing has been updated to include connection to panelboard metering system. Refer to attached revised drawing.

11. Unit Price No. 1 remove and replace suspended g.b. ceiling and furring. Looking at A5/A400 it appears that there are two different, existing ceiling systems: one that is a suspended grid (one detail shows studs and another indicates CRC (cold rolled channels)) with abuse board above the Dayrooms and one that is a hat channel furring system with abuse board that attaches to the underside of the sloping bar joist. The question is that it appears the detail is a bit inaccurate because it shows the furring system as suspended and not attached to the underside of the bar joist. So, which is this

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portion of ceiling: suspended or attached to the bar joist as a furring system as described in the Unit Price description?

Response: The existing ceilings in the dayrooms are both ceiling systems: furring channels and gyp. board directly attached to the bar joists (for smoke control) and the suspended ceilings. Sheet A400 has been revised to better reflect the existing ceiling systems and revised notes. For Unit Price #1, the ceiling system is 5/8" type X abuse-resistant gypsum board on suspended 2 1/2" x 18 ga. metal studs at 16" o.c. The patching of the existing ceiling does not include the new mezzanine soffits, which is a set quantity.

12. For question above: can we get a definitive description of the suspended grid system for above the Dayrooms and for above the 2nd housing level walkway? 092216 spec calls for suspended studs, suspended crc and hat channel furring (implied direct applied to the bar joists).

Response: Reference to revised drawing A400 for updated details and notes.

13. There is no RCP sheet for the building B reflected ceiling. The new mechanical roof opening appears to be above the gymnasium floor but there is no indication of an existing or new ceiling. Do we have ceiling work in this building?

Response: There is no ceiling work in building B. The gymnasium is open to structure with no existing ceiling.

14. Is ceiling patch in dayrooms being painted to the extent of the patch area or is the entire dayroom ceiling being repainted?

Response: The entire gypsum board ceilings in each dayroom are being repainted with epoxy paint. The new mezzanine soffits will receive new epoxy paint. Reference RCP General Note #5 and the Materials Legend on sheet A201.

15. Are roofing guardrails per keyed note 3 on A121 intended to be temporary or permanent? If permanent, how do they attach to the existing roof?

Response: The railing system specified (basis of design) is a permanent safety rail, but the design allows it to sit on top of the roof without being attached to the roof.

16. Structural roof plans: can you identify on the plans where the bar joist stiffeners are to be placed?

Response: Bar joist stiffeners shall be installed at every point of contact/support between the joist and a perpendicular wide flange beam supporting an HVAC unit. If the web of the wide flange beam lands within 3 inches of a panel point in the joist, the stiffener can be omitted.

17. What work is indicated with details 3 and 4 on S200?

Response: Detail 3/S-200 is to be used for the new louver opening at the north-west corner of building K, see callout at the top-left in plan S102D. Detail 4/S-400 is for the extension of the concrete pad supporting transformer PMTN-7, see electrical drawings

18. Ladder installation shown on 1/S200:

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- a. Will cmu be existing grouted at threaded rod locations?

Response: Record drawings indicate the CMU wall is fully grouted, contractor to field verify condition and notify structural engineer if any discrepancy is found.

- b. Will anchor system to cmu be the same as anchor system to brick?

Response: Anchorage for the ladder relies exclusively on the attachment to the CMU wall, threaded rods do not require epoxy adhesive to the face brick. Connection to face brick shall however be properly sealed to prevent water intrusion (see architectural drawings).

19. It seems that alternate 3 pricing is zero dollars but may be added to contract via unit pricing after the quantity of windows to be applied to is determined. The quantities shown on sheets A110 and A111 are the maximum possible quantities. Is this correct?

Response: The drawings have provided a total number of windows per building, but in the chance that a window was missed, having a per window unit cost will allow windows to added (or deleted) with a set construction cost.

GENERAL COMMENTS:

1. If an additional site visit is necessary, please contact James Welch, 573-592-4040, James.Welch@doc.mo.gov who will coordinate with the on-site personnel.
2. Please contact Mandy Roberson, contract specialist, at Mandy.Roberson@oa.mo.gov for questions about bidding procedures, MBE/WBE/SDVE goals, good faith effort forms, and bid submittal requirements.
3. All bids shall be submitted on the provided bid forms without additional terms and conditions, modifications, or stipulations. Each space on the bid forms shall be properly filled. Failure to do so will result in rejection of the bid.
4. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. All MBE, WBE, and SDVE contractors, subcontractors, and suppliers must be certified by the State of Missouri, Office of Equal Opportunity. No other certifications from other Missouri certifying agencies will be accepted. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.
5. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
6. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
7. Current Planholders list available online at: <https://oa.mo.gov/facilities/bid-opportunities/bid-listing-electronic-plans> Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to order official plans and specifications.

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ATTACHMENTS:

Drawings: A201, A400, M101.Ba, M101.D, M101.L, M102.Ba, M102.D, M102.L, M103.L, M400, M600, E301.D, E301.L, FA000.

END ADDENDUM NO. 2



Joe Cantrell, Architect
License #A-6475



TEL: (636) 441-1111 FAX: (636) 441-1112
WWW.HENDERSONENGINEERS.COM

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

HVAC IMPROVEMENTS -
FULTON RECEPTION AND
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CORRECTIONAL CENTER

1391 ROUTE O
FULTON, MO 65251

PROJECT # C2406-01
SITE # 7010
FACILITY # 9327010027

REVISION: Addendum #2
DATE: 12/12/2025
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ISSUE DATE: 09/26/2025

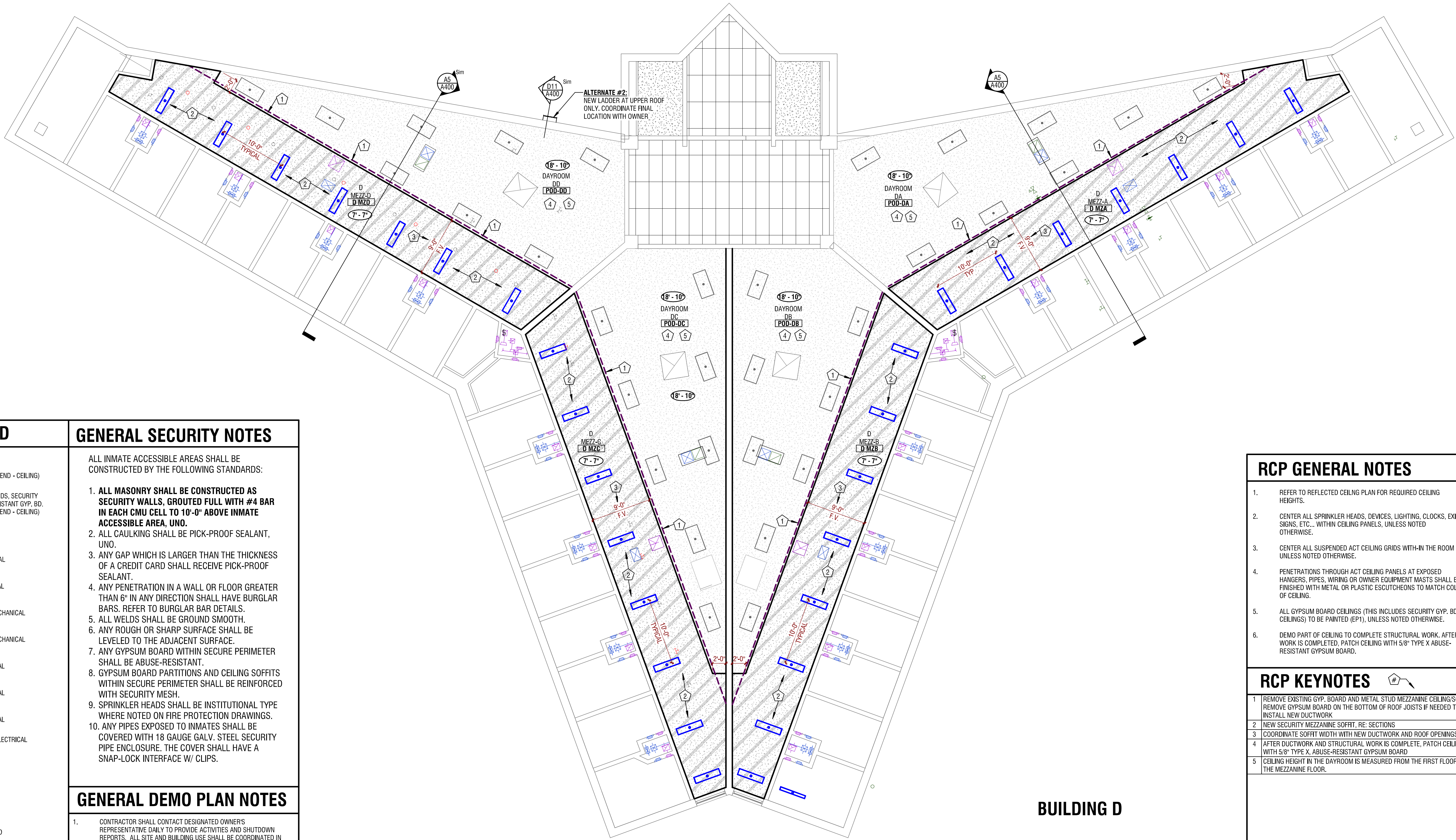
CAD DWG FILE:
DRAWN BY: J Ralph
CHECKED BY:
DESIGNED BY:

SHEET TITLE:
Level 2 RCP -
Building D

SHEET NUMBER:

A201

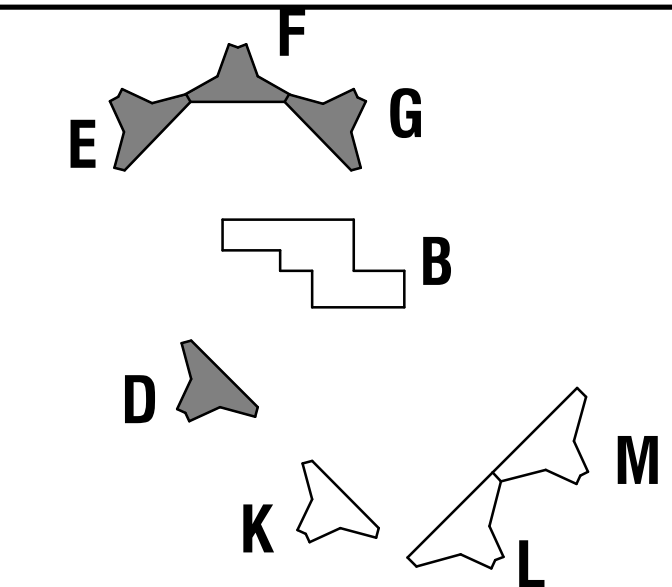
8 OF 90 SHEETS
09/26/2025



BUILDING D

Buildings D, E, F, G, and K are identical.
The scope shown on this drawing will also
be required for Buildings E, F, G and K

A102 - RCP Building D Level 2
1/8" = 1'-0"



Key Plan Buildings D, E, F, G and K
NTS

RCP SYMBOLS LEGEND

- GB: GYP BD CEILING / SOFFIT (PAINTED EP1, PER MATERIALS LEGEND - CEILING)
- GB: SECURITY CEILING - METAL STUDS, SECURITY MESH, AND 5/8" TYPE X, ABUSE-RESISTANT GYP. BD. (PAINTED EP1, PER MATERIALS LEGEND - CEILING)
- CEILING ACCESS DOOR
- DIFFUSER - RETURN, RE: MECHANICAL
- DIFFUSER - SUPPLY, RE: MECHANICAL
- LINEAR DIFFUSER - SUPPLY, RE: MECHANICAL
- ROUND DIFFUSER - SUPPLY, RE: MECHANICAL
- 2' x 2' LIGHT FIXTURE, RE: ELECTRICAL
- 2' x 4' LIGHT FIXTURE, RE: ELECTRICAL
- 1' x 4' LIGHT FIXTURE, RE: ELECTRICAL
- CORNER MTD. SECURITY LED, RE: ELECTRICAL
- CAN LIGHT, RE: ELECTRICAL
- LINEAR LIGHT, RE: ELECTRICAL
- CEILING MOUNTED JUNCTION BOX
- MOISTURE RESISTANT SECURITY LED

GENERAL SECURITY NOTES

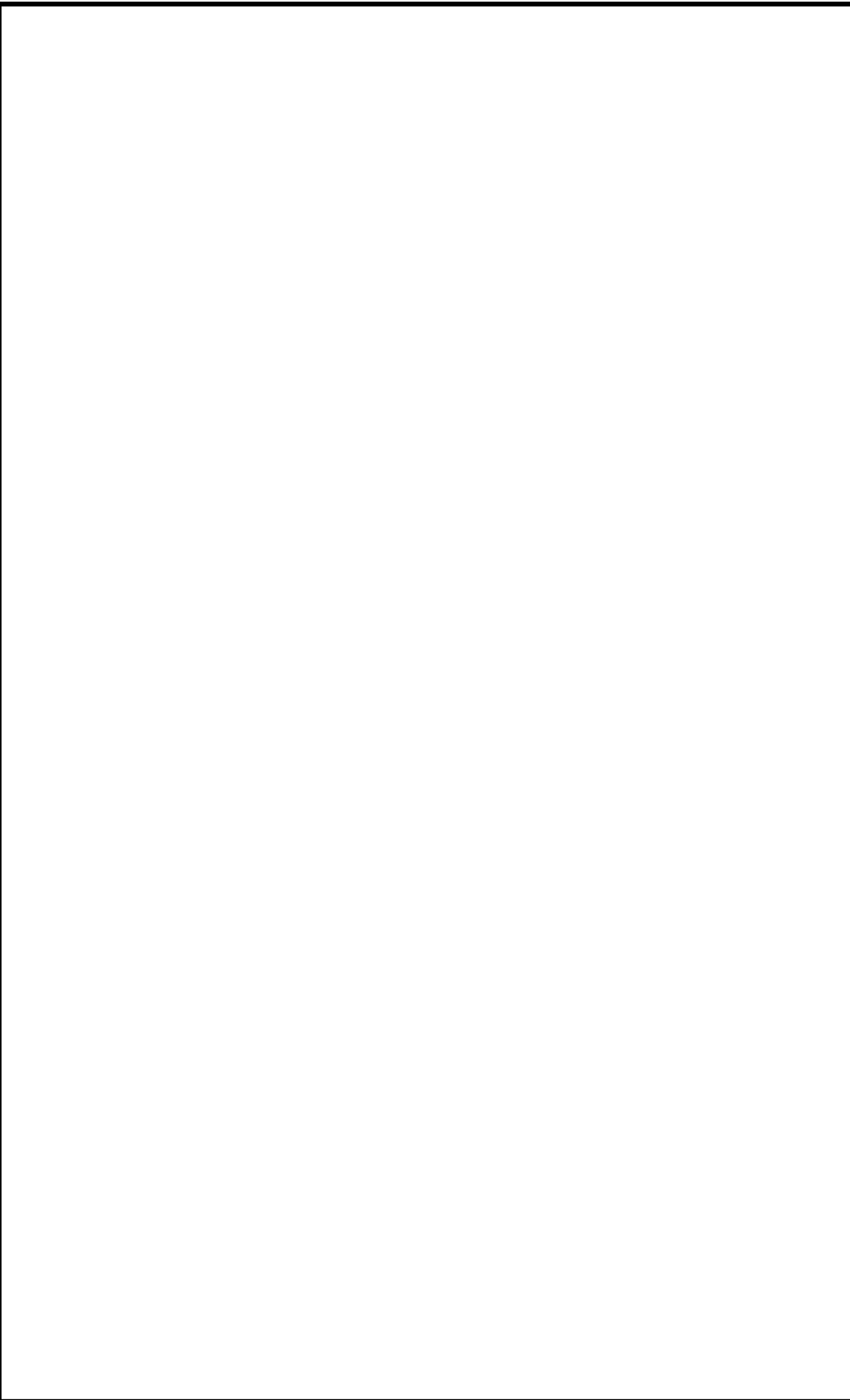
- ALL INMATE ACCESSIBLE AREAS SHALL BE CONSTRUCTED BY THE FOLLOWING STANDARDS:
1. ALL MASONRY SHALL BE CONSTRUCTED AS SECURITY WALLS, GROUTED FULL WITH #4 BAR IN EACH CMU CELL TO 10'-0" ABOVE INMATE ACCESSIBLE AREA, UNO.
2. ALL CAULKING SHALL BE PICK-PROOF SEALANT, UNO.
3. ANY GAP WHICH IS LARGER THAN THE THICKNESS OF A CREDIT CARD SHALL RECEIVE PICK-PROOF SEALANT.
4. ANY PENETRATION IN A WALL OR FLOOR GREATER THAN 6" IN ANY DIRECTION SHALL HAVE BURGLAR BARS. REFER TO BURGLAR BAR DETAILS.
5. ALL WELDS SHALL BE GROUND SMOOTH.
6. ANY ROUGH OR SHARP SURFACE SHALL BE LEVELED TO THE ADJACENT SURFACE.
7. ANY GYPSUM BOARD WITHIN SECURE PERIMETER SHALL BE ABUSE-RESISTANT.
8. GYPSUM BOARD PARTITIONS AND CEILING SOFFITS WITHIN SECURE PERIMETER SHALL BE REINFORCED WITH SECURITY MESH.
9. SPRINKLER HEADS SHALL BE INSTITUTIONAL TYPE WHERE NOTED ON FIRE PROTECTION DRAWINGS.
10. ANY PIPES EXPOSED TO INMATES SHALL BE COVERED WITH 18 GAUGE GALV. STEEL SECURITY PIPE ENCLOSURE. THE COVER SHALL HAVE A SNAP-LOCK INTERFACE W/ CLIPS.

GENERAL DEMO PLAN NOTES

- CONTRACTOR SHALL CONTACT DESIGNATED OWNERS REPRESENTATIVE DAILY TO PROVIDE ACTIVITIES AND SHUTDOWN REPORTS. ALL SITE AND BUILDING USE SHALL BE COORDINATED IN ADVANCE WITH THE OWNER.
- MEP DEMOLITION SHALL BE PER THEIR ASSOCIATED DRAWINGS. ALL ABANDONED EQUIPMENT AND SYSTEMS NOT SPECIFICALLY NOTED IN MEP DRAWINGS SHALL BE REMOVED.
- ALL MEP SYSTEMS TO SURROUNDING SPACES SHALL BE MAINTAINED, UNLESS COORDINATED IN ADVANCE WITH THE OWNER.
- CONTRACTOR SHALL MEET WITH OWNERS REPRESENTATIVE PRIOR TO BEGINNING ANY WORK TO SET MINIMUM PROCEDURES FOR DUST CONTAINMENT.
- ALL EXISTING WALL AND CEILING MOUNTED CLOCKS, EQUIPMENT, MONITORS, SIGNAGES, ACCESSORIES, ETC., WITHIN AREA OF THE WORK SHALL BE REMOVED AND RE-INSTALLED AS INDICATED IN THE DRAWINGS, OR SALVAGED BACK TO THE OWNER, UNLESS DIRECTED OTHERWISE BY THE OWNER.
- WHERE REMOVAL OF EXISTING WALLS, EQUIPMENT, ETC., DISRUPTS OR DISTURBS EXISTING ELECTRICAL, MECHANICAL OR PLUMBING SERVICES TO AREAS NOT DESIGNATED AS CONSTRUCTION AREAS, THE CONTRACTOR SHALL PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO INSURE UNINTERRUPTED SERVICE TO SAID AREAS.
- CONTRACTOR IS TO REMOVE COMPLETELY ANY EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF THE NEW CONSTRUCTION.
- OWNER WILL BE RESPONSIBLE FOR REMOVING AND STORING ITEMS SUCH AS FURNITURE, PLAQUES, MOVEABLE EQUIPMENT, ETC...
- REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
- ITEMS BEING REMOVED REMAIN THE PROPERTY OF THE OWNER. CONSULT WITH THE OWNER TO DETERMINE THEIR PROPER REUSE, STORAGE, OR DISPOSAL.

MATERIALS LEGEND - CEILINGS

| MATERIAL | CODE | MANUFACTURER | MODEL / PATTERN | COLOR | SIZE | NOTES |
|--|------|--|---|---|------|--|
| CEILING | | | | | | |
| GYPSUM BOARD | GB | SEE DRAWINGS, DETAILS & SPECIFICATIONS | | | | |
| PAINT | | | | | | |
| PAINT | EP1 | SHERWIN WILLIAMS | REFERENCE INTERIOR EPOXY COATINGS SPEC SECTION 099656 | MATCH EXISTING/ADJACENT. SUBMIT COLORS TO ARCHITECT FOR SELECTION | -- | PAINT ALL GYPSUM BD CEILINGS (EXISTING AND NEW) THIS COLOR |
| NOTE: INSTANCES WHERE EPOXY PAINT (EP#) VERSIONS OF THESE COLORS ARE NEEDED, RE: SPEC FOR MORE INFORMATION | | | | | | |
| OTHER ABBREVIATIONS | | | | | | |
| EXISTING TO REMAIN | ETR | | | | | |
| PATCH TO MATCH | PTM | | | | | |
| OPEN TO STRUCTURE | OTS | | | | | |



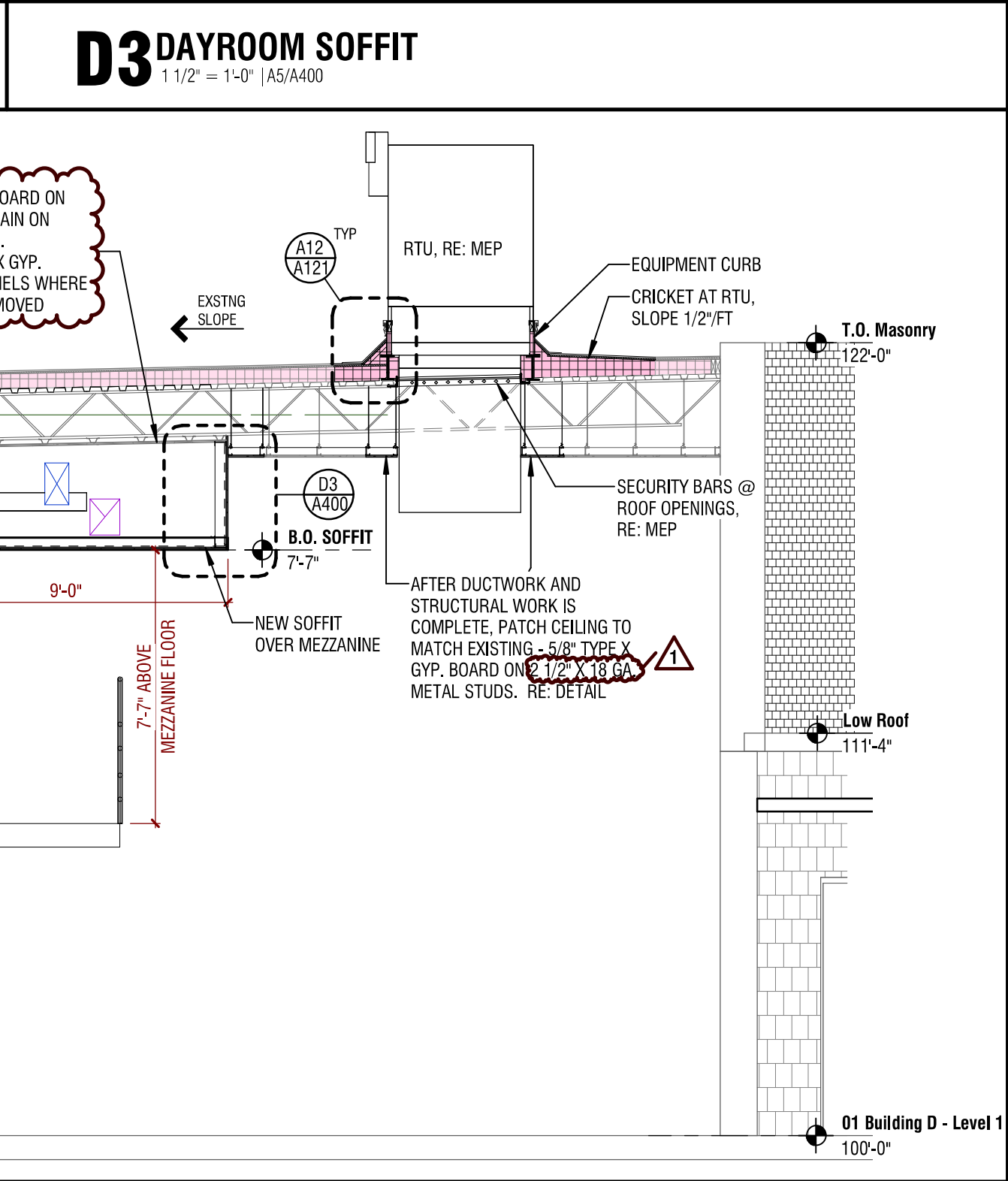
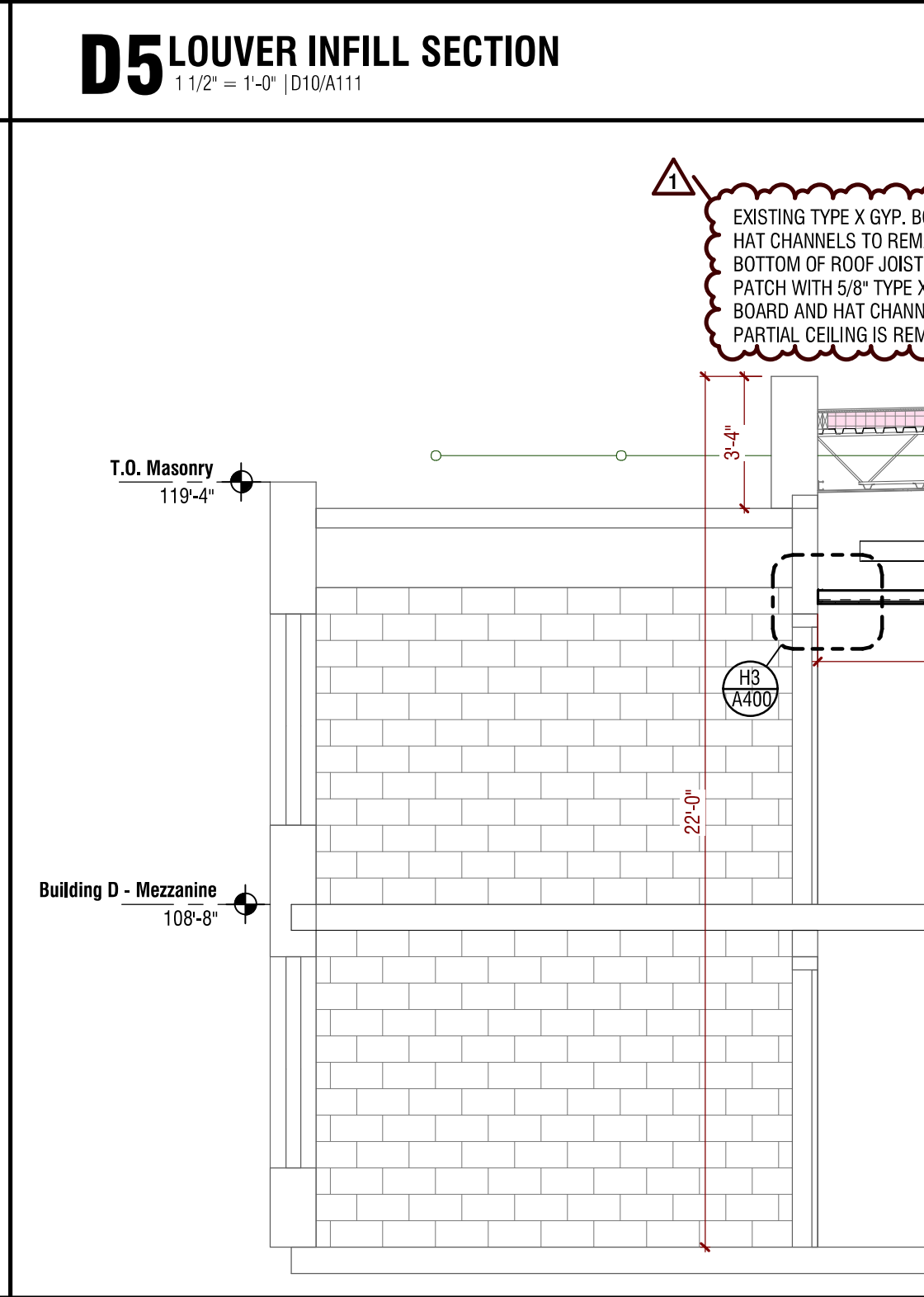
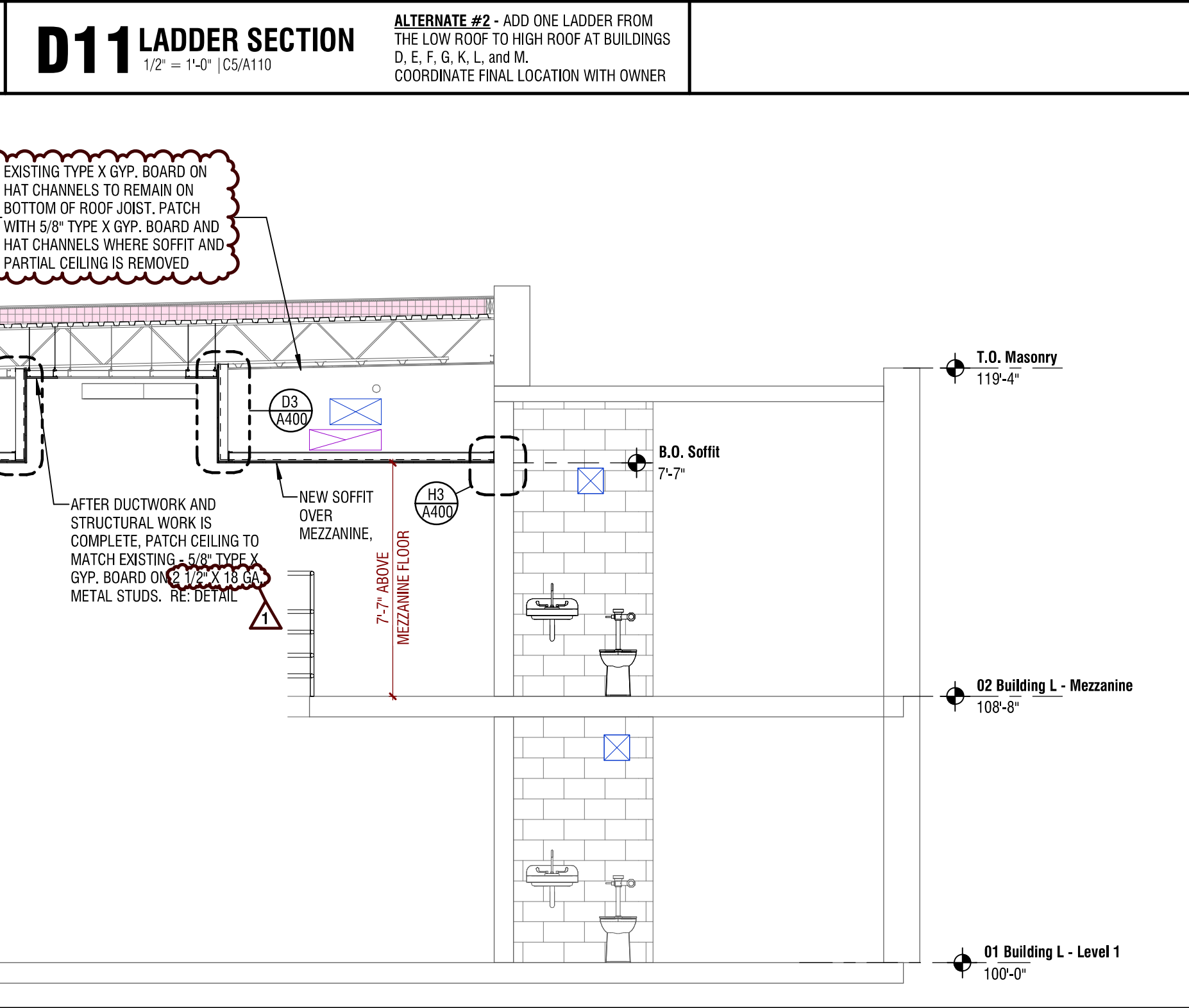
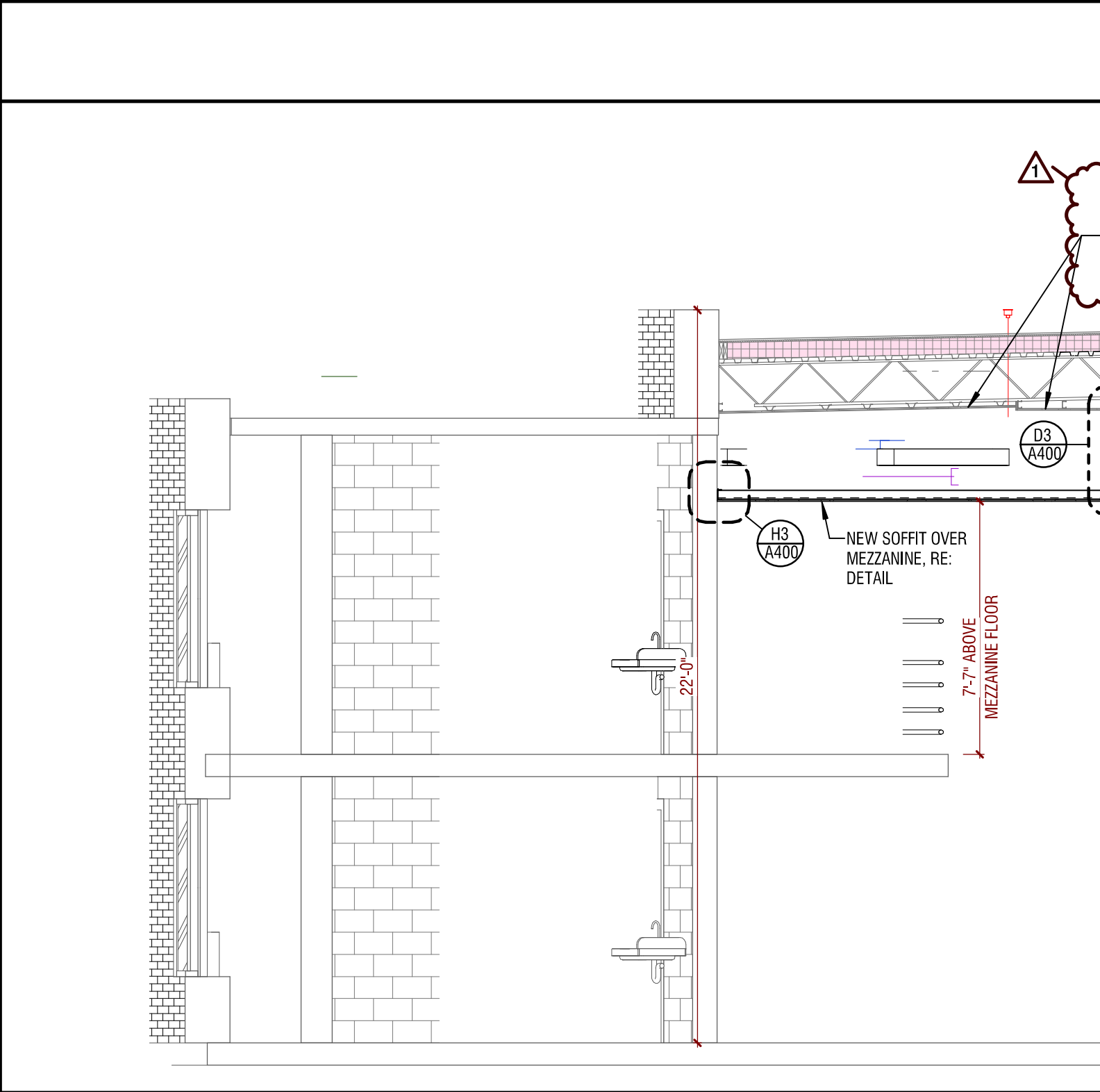
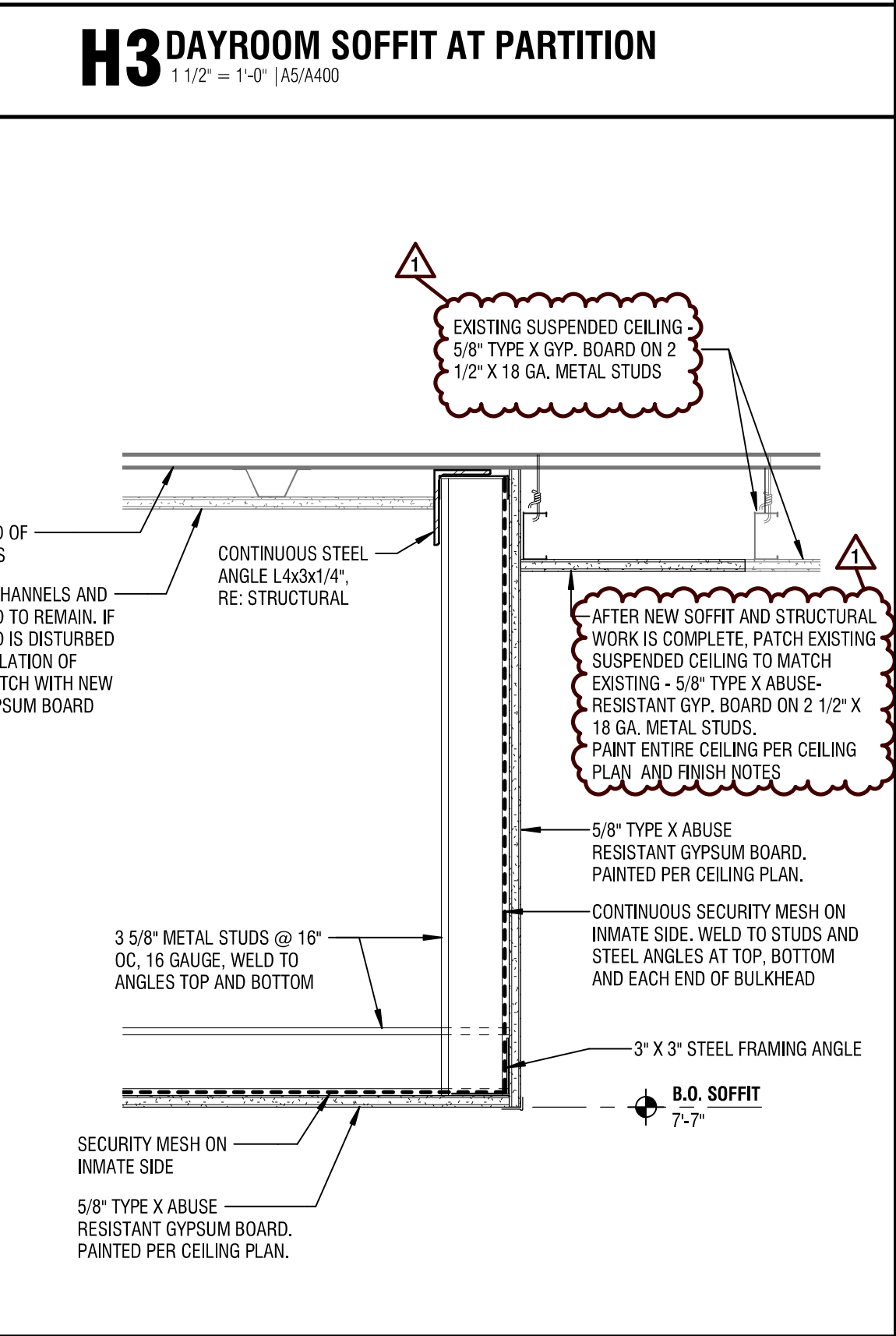
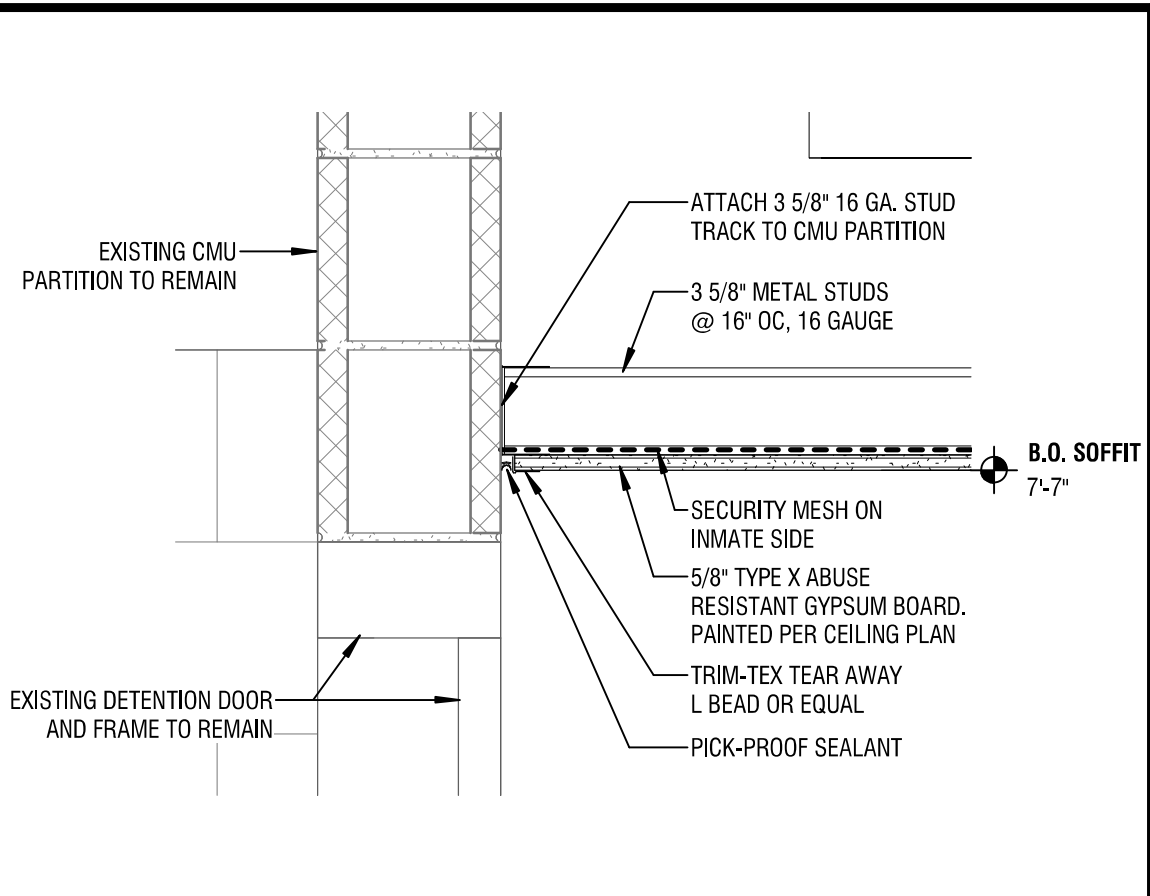
MATERIALS LEGEND

| MATERIAL | CODE | MANUFACTURER | MODEL/ PATTERN | COLOR | SIZE | NOTES |
|--|------|--------------|----------------|---------------------------|------|---|
| FLOORING | | | | | | |
| EXISTING TO REMAIN | | | | | | |
| BASE | | | | | | |
| EXISTING TO REMAIN | | | | | | |
| WALLS & MISC. SURFACES | | | | | | |
| PAINT | EP1 | SEE SPECS | -- | MATCH EXISTING | -- | TOUCH-UP PAINT FOR EXISTING INTERIOR WALLS THAT ARE DAMAGED DUE TO NEW CONSTRUCTION |
| NOTE: INSTANCES WHERE EPOXY PAINT (EP#) VERSIONS OF THESE COLORS ARE NEEDED, RE: SPEC FOR MORE INFORMATION | P2 | SEE SPECS | -- | MATCH ADJACENT WALL COLOR | -- | PAINT FOR NEW INTERIOR LOUVERS, RE: D12/A400 |
| | P3 | SEE SPECS | -- | TBD | -- | EXTERIOR PAINT |
| OTHER ABBREVIATIONS | | | | | | |
| EXISTING TO REMAIN | ETR | | | | | |
| NO FINISH | NF | | | | | |
| PATCH TO MATCH | PTM | | | | | |

GENERAL SECURITY NOTES

ALL INMATE ACCESSIBLE AREAS SHALL BE CONSTRUCTED BY THE FOLLOWING STANDARDS:

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A12 BUILDING L SECTION - NE
1/4" = 1'-0" | A6/A12

D11 LADDER SECTION
1/2" = 1'-0" | C5/A110

D5 LOUVER INFILL SECTION
1 1/2" = 1'-0" | D10/A111

D3 DAYROOM SOFFIT
1 1/2" = 1'-0" | A5/A400

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

Joe Cantrell, Architect
License #A-6475

TEL: FAX:
WWW.HENDERSONENGINEERS.COM

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

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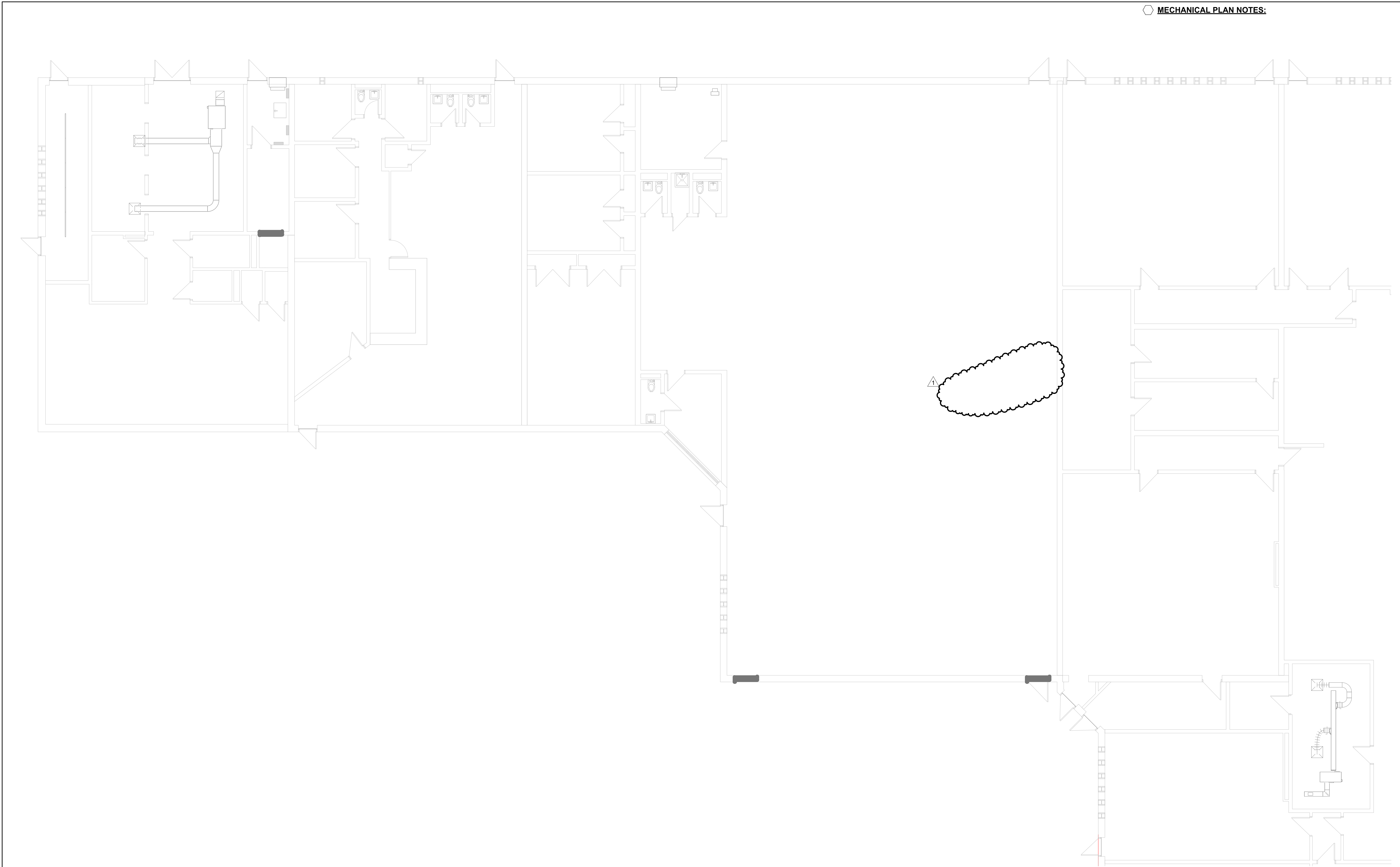
REVISION: Addendum #2
DATE: 12/12/2025
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ISSUE DATE: 09/26/2025

CAD DWG FILE:
DRAWN BY: J Ralph
CHECKED BY:
DESIGNED BY:

SHEET TITLE:
Building
Sections &
Details

SHEET NUMBER:
A400

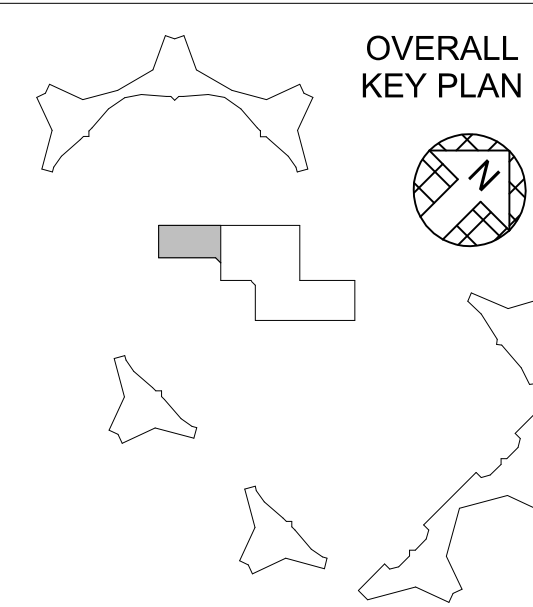
10 OF 90 SHEETS
09/26/2025



MECHANICAL PLAN NOTES:

1 HVAC - LEVEL 1 PLAN - BUILDING B - AREA A
1/8" = 1'-0"

THIS SHEET IS PROVIDED
FOR REFERENCE ONLY.
SCOPE WAS REMOVED FROM
CONSTRUCTION DOCUMENTS
IN ADDENDUM #2.



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



KELLEY P. CRAMM
LICENSE # E-022323

HENDERSON
ENGINEERS

8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM

2450001658
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2026

OFFICE OF ADMINISTRATION
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MANAGEMENT,
DESIGN AND CONSTRUCTION

HVAC IMPROVEMENTS -
FULTON RECEPTION AND
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1393 ROUTE O
FULTON, MO 65251

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REVISION:

DATE:

REVISION:

DATE:

ISSUE DATE: 09/26/2025

CAD DWG FILE:
DRAWN BY: E. Warden
CHECKED BY: J. Pummill
DESIGNED BY: M. Mizell, E. Warden

SHEET TITLE:

HVAC - LEVEL 1
PLAN - BUILDING B
- AREA A

SHEET NUMBER:

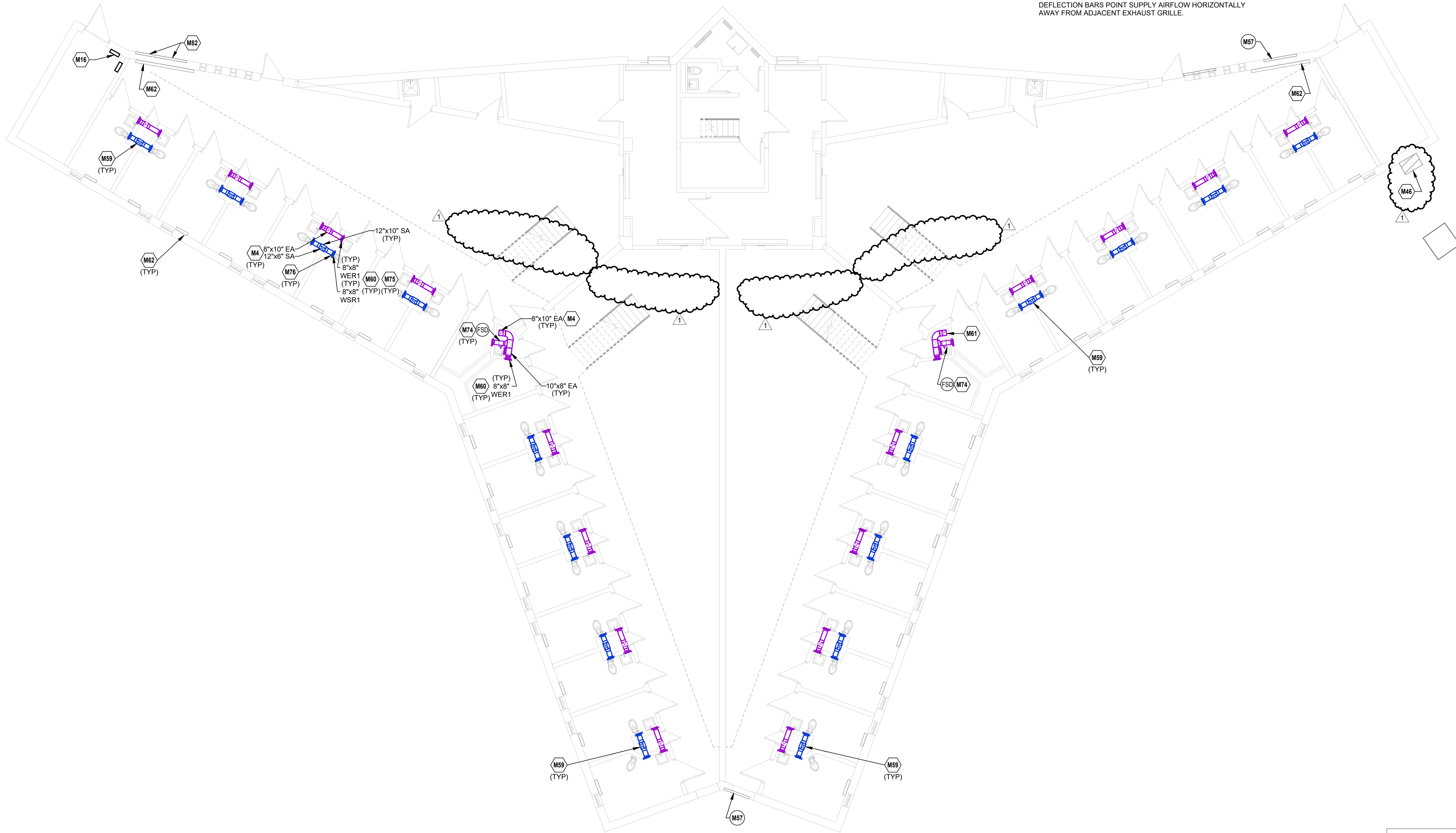
M101.Ba

26 OF 90 SHEETS
09/26/2025

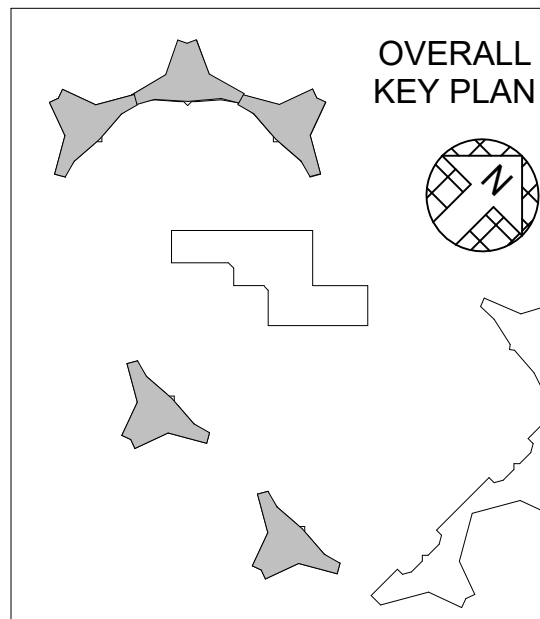
BUILDINGS D,E,F,G,K ARE SIMILAR. ANY SCOPE SHOWN ON THIS DRAWING WILL ALSO BE REQUIRED ON BUILDINGS E,F,G,K WITH DISCREPANCIES NOTED.

- MECHANICAL PLAN NOTES:**
- M4 DUCT UP TO FLOOR ABOVE.
 - M16 FURNISH AND INSTALL BAS CONTROL PANEL FOR ALL MECHANICAL EQUIPMENT IN THIS BUILDING. BAS CONTROL PANEL SHALL BE ON EMERGENCY POWER.
 - M46 PROVIDE CONTROL WIRING TO COMMUNICATE WITH ELECTRIC METER FOR ELECTRICITY METERING (RE: ELECTRICAL AND M800 MECHANICAL CONTROLS).
 - M57 EXISTING LOUVER TO REMAIN.
 - M59 REFER TO TYPICAL TAGGING ON PLANS AND DETAILS 2 & 3 ON SHEET M5.01 FOR CELL CHASE DUCT DETAILS (TYP ALL CELL CHASES).
 - M60 REFER TO SCHEDULES ON SHEET M402 FOR AIRFLOWS OF EACH ROOM WITHIN EACH BUILDING.
 - M61 REFER TO TYPICAL TAGGING ON PLANS AND DETAIL 1 ON SHEET M5.01 FOR ALL SHOWER CHASE DUCT DETAILS (TYP ALL SHOWER CHASES).
 - M62 EXISTING TO REMAIN BASEBOARD HEATERS.
 - M74 COMBINATION FIRE SMOKE DAMPERS SHALL BE 120V.
 - M75 INSTALL SUPPLY GRILLE VERTICALLY SUCH THAT DEFLECTION BARS POINT SUPPLY AIRFLOW HORIZONTALLY AWAY FROM ADJACENT EXHAUST GRILLE.

- MECHANICAL PLAN NOTES:**
- M76 ADJUST GRILLE LOCATIONS AS REQUIRED TO ACCOMMODATE LOCATION OF EXISTING PIPING. LOCATE SUPPLY GRILLES AS FAR FROM EXHAUST AS POSSIBLE. DUCT SIZES MAY BE CHANGED AS REQUIRED PROVIDED FREE AREA OF DUCT IS UNCHANGED.
 - M82 EXISTING LOUVER TO REMAIN IN BUILDINGS D, E, F & G.



① HVAC - LEVEL 1 PLAN - BUILDING D
1/8" = 1'-0"



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



KELLEY P. CRAMM
LICENSE # E-022323

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2450001658
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2026

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

HVAC IMPROVEMENTS -
FULTON RECEPTION AND
DIAGNOSTIC
CORRECTIONAL CENTER

1393 ROUTE O
FULTON, MO 65251

PROJECT # C2406-01
SITE # 7010
FACILITY # 9327010027

REVISION: Addendum #2
DATE: 12/12/2025
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/26/2025

CAD DWG FILE:
DRAWN BY: E. Warden
CHECKED BY: J. Pummill
DESIGNED BY: M. Mizell, E. Warden

SHEET TITLE:
HVAC - LEVEL 1
PLAN - BUILDING D

SHEET NUMBER:

M101.D

27 OF 90 SHEETS
09/26/2025

KELLEY P. CRAMM

1 HVAC - LEVEL 1 PLAN - BUILDING L
3/32" = 1'-0"

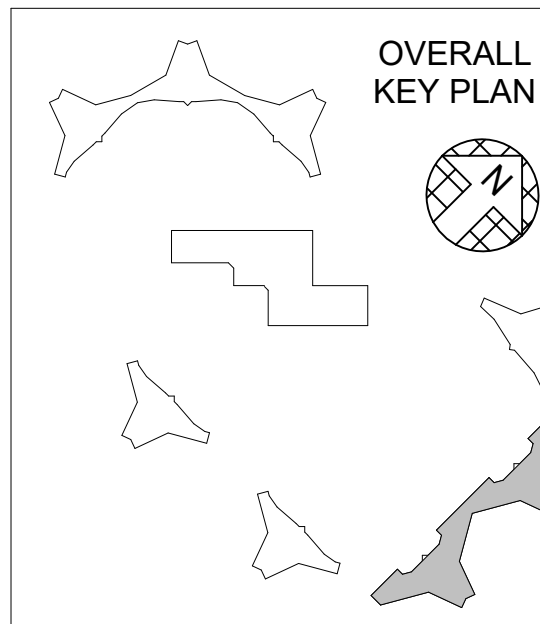
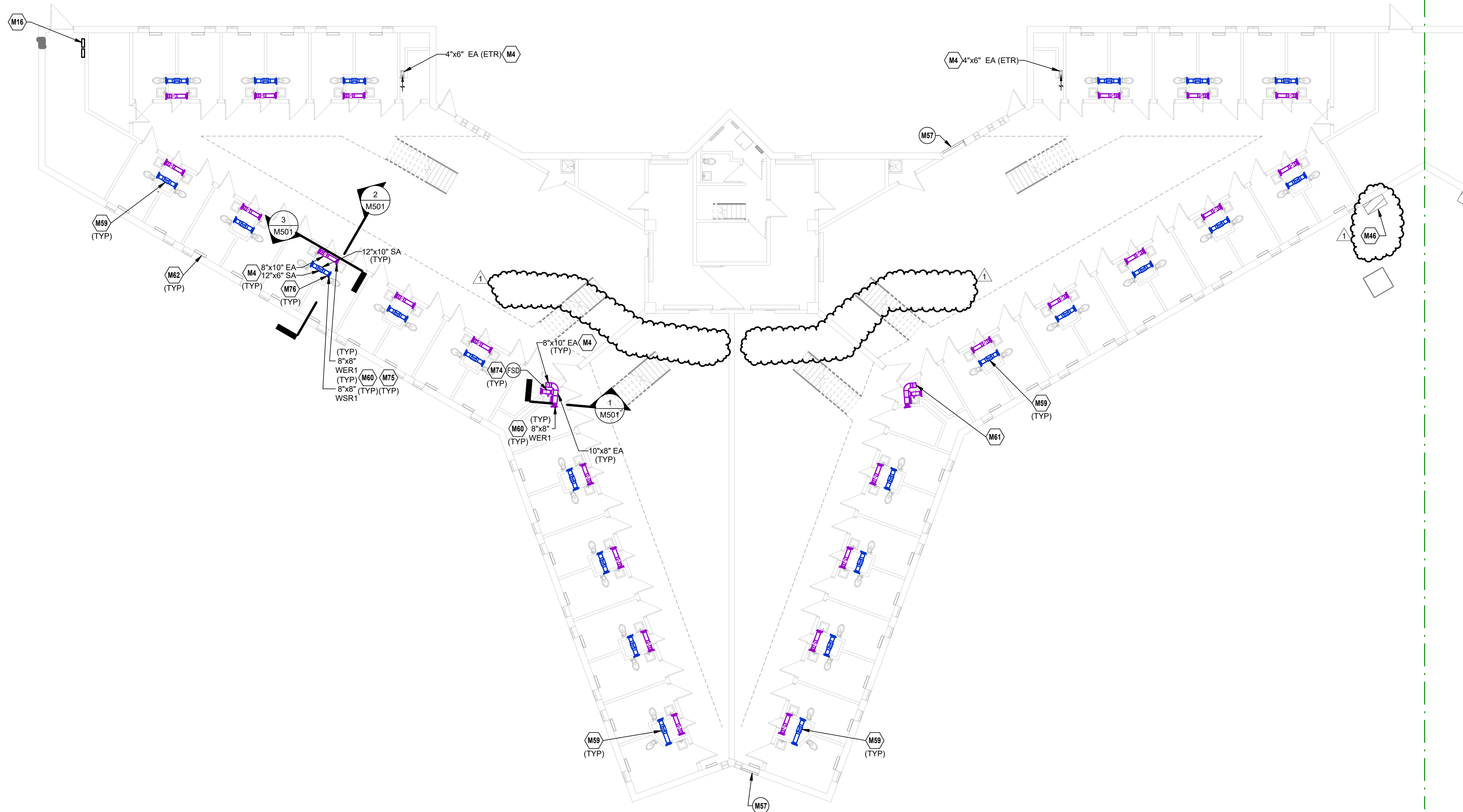
BUILDINGS L, M ARE IDENTICAL. ANY SCOPE SHOWN ON THIS DRAWING WILL ALSO BE REQUIRED IN BUILDING M.

MECHANICAL PLAN NOTES:

- M4 DUCT UP TO FLOOR ABOVE.
M16 FURNISH AND INSTALL BAS CONTROL PANEL FOR ALL MECHANICAL EQUIPMENT IN THIS BUILDING. BAS CONTROL PANEL SHALL BE ON EMERGENCY POWER.
M46 PROVIDE CONTROL WIRING TO COMMUNICATE WITH ELECTRIC METER FOR ELECTRICITY METERING (RE: ELECTRICAL AND M600 MECHANICAL CONTROLS).
M57 EXISTING LOUVER TO REMAIN.
M59 REFER TO TYPICAL TAGGING ON PLANS AND DETAILS 2 & 3 ON SHEET M5.01 FOR CELL CHASE DUCT DETAILS (TYP ALL CELL CHASES).
M60 REFER TO SCHEDULES ON SHEET M402 FOR AIRFLOWS OF EACH ROOM WITHIN EACH BUILDING.
M61 REFER TO TYPICAL TAGGING ON PLANS AND DETAIL 1 ON SHEET M5.01 FOR ALL SHOWER CHASE DUCT DETAILS (TYP ALL SHOWER CHASES).
M62 EXISTING TO REMAIN BASEBOARD HEATERS.
M74 COMBINATION FIRE SMOKE DAMPERS SHALL BE 120V.

MECHANICAL PLAN NOTES:

- M75 INSTALL SUPPLY GRILLE VERTICALLY SUCH THAT DEFLECTION BARS POINT SUPPLY AIRFLOW HORIZONTALLY AWAY FROM ADJACENT EXHAUST GRILLE.
M76 ADJUST GRILLE LOCATIONS AS REQUIRED TO ACCOMMODATE LOCATION OF EXISTING PIPING. LOCATE SUPPLY GRILLES AS FAR FROM EXHAUST AS POSSIBLE. DUCT SIZES MAY BE CHANGED AS REQUIRED PROVIDED FREE AREA OF DUCT IS UNCHANGED.



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



KELLEY P. CRAMM
LICENSE # E-022323 12/11/2025

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2450001658
MO. CORPORATE NO. E-5560
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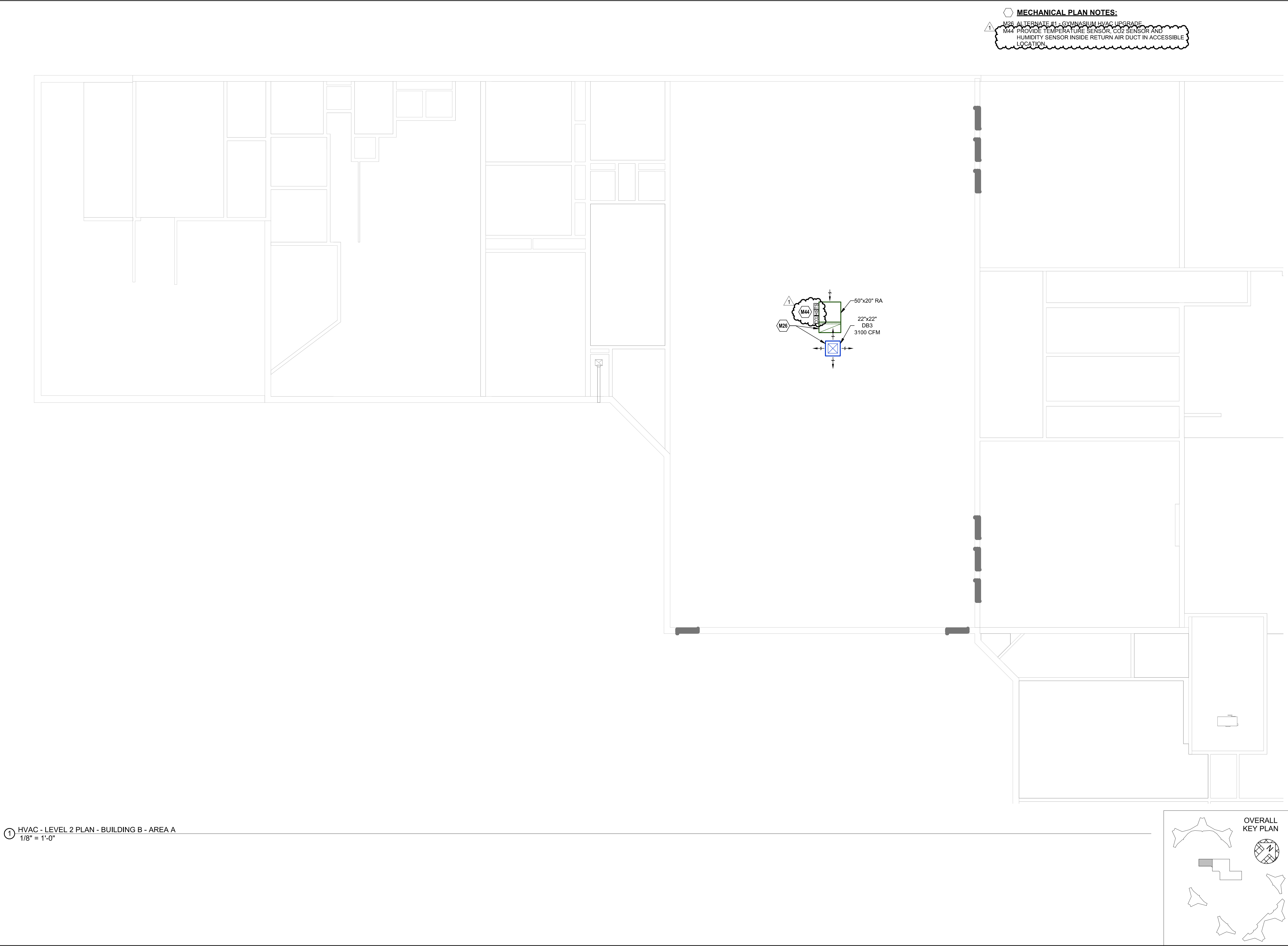
CAD DWG FILE:
DRAWN BY: E. Warden
CHECKED BY: J. Pummill
DESIGNED BY: M. Mizell, E. Warden

SHEET TITLE:
HVAC - LEVEL 1
PLAN - BUILDING L

SHEET NUMBER:

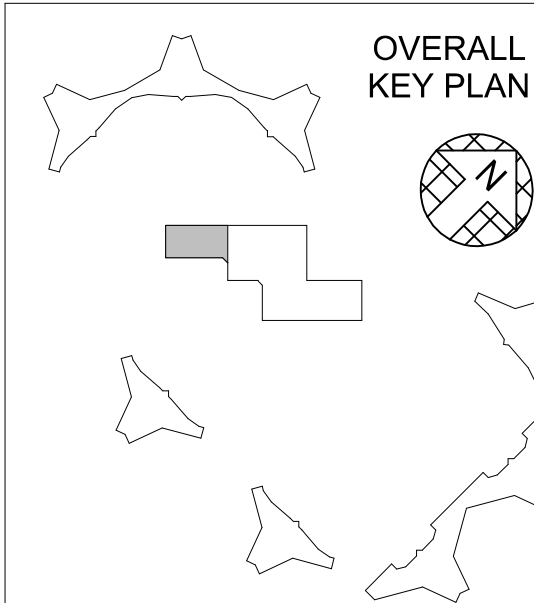
M101.L

28 OF 90 SHEETS
09/26/2025



MECHANICAL PLAN NOTES:
M26 ALTERNATE #1 - GYMNASIUM HVAC UPGRADE
M44 PROVIDE TEMPERATURE SENSOR, CO2 SENSOR AND HUMIDITY SENSOR INSIDE RETURN AIR DUCT IN ACCESSIBLE LOCATION.

① HVAC - LEVEL 2 PLAN - BUILDING B - AREA A
1/8" = 1'-0"



STATE OF MISSOURI
MIKE KEHOE,
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KELLEY P. CRAMM
LICENSE # E-022323 12/11/2025

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2450001658
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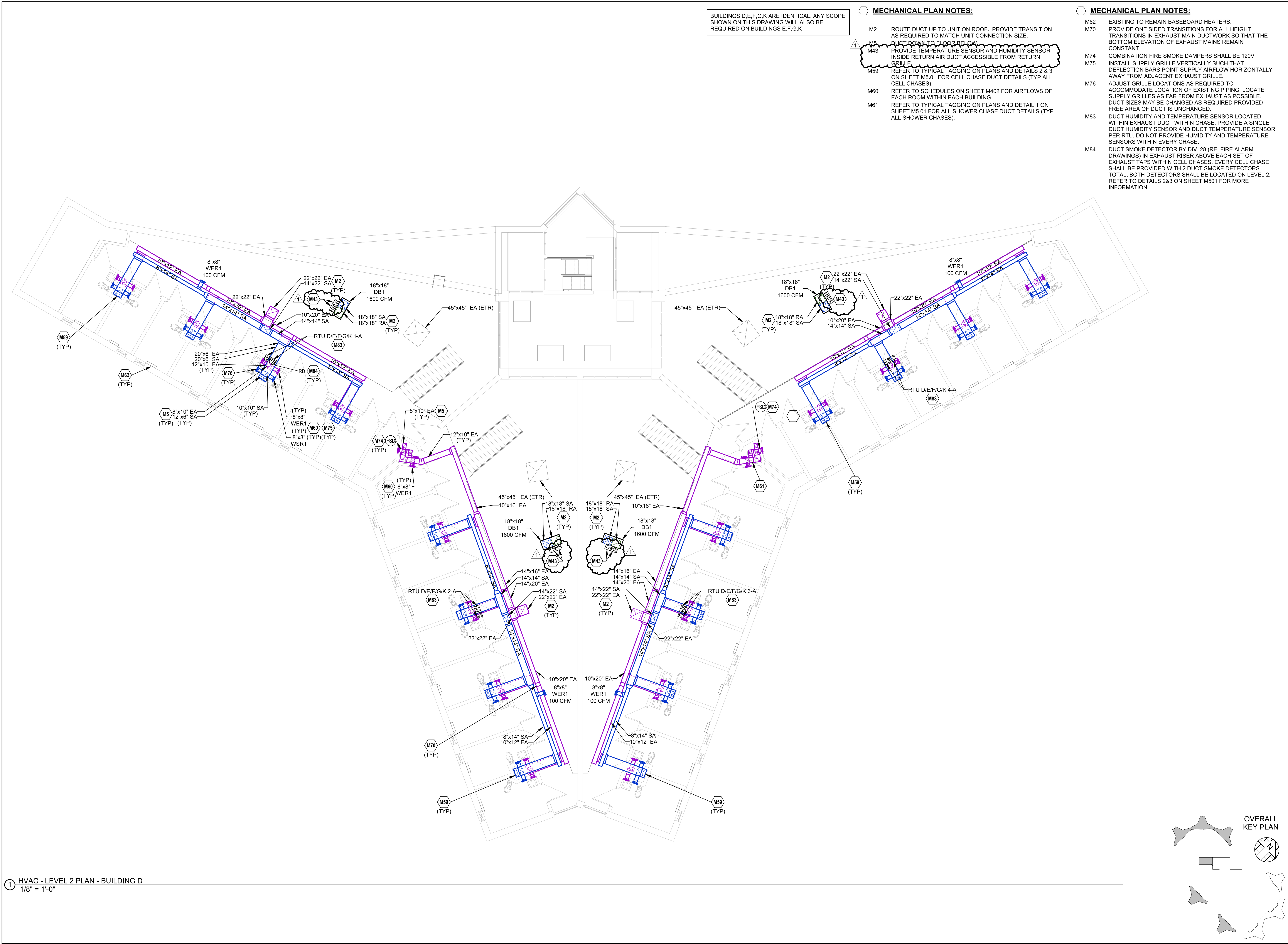
CAD DWG FILE:
DRAWN BY: E. Warden
CHECKED BY: J. Pummill
DESIGNED BY: M. Mizell, E. Warden

SHEET TITLE:
HVAC - LEVEL 2
PLAN - BUILDING B
- AREA A

SHEET NUMBER:

M102.Ba

29 OF 90 SHEETS
09/26/2025



1 HVAC - LEVEL 2 PLAN - BUILDING D
1/8" = 1'-0"

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ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
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CAD DWG FILE:
DRAWN BY: E. Warden
CHECKED BY: J. Pummill
DESIGNED BY: M. Mizell, E. Warden

SHEET TITLE:
HVAC - LEVEL 2
PLAN - BUILDING D

SHEET NUMBER:
M102.D

30 OF 90 SHEETS
09/26/2025



KELLEY P. CRAMM
LICENSE # E-022323

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
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2450001658
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DATE:
ISSUE DATE: 09/26/2025

CAD DWG FILE:
DRAWN BY: E. Warden
CHECKED BY: J. Pummill
DESIGNED BY: M. Mizell, E. Warden

SHEET TITLE:
HVAC - LEVEL 2
PLAN - BUILDING L

SHEET NUMBER:

M102.L

31 OF 90 SHEETS
09/26/2025

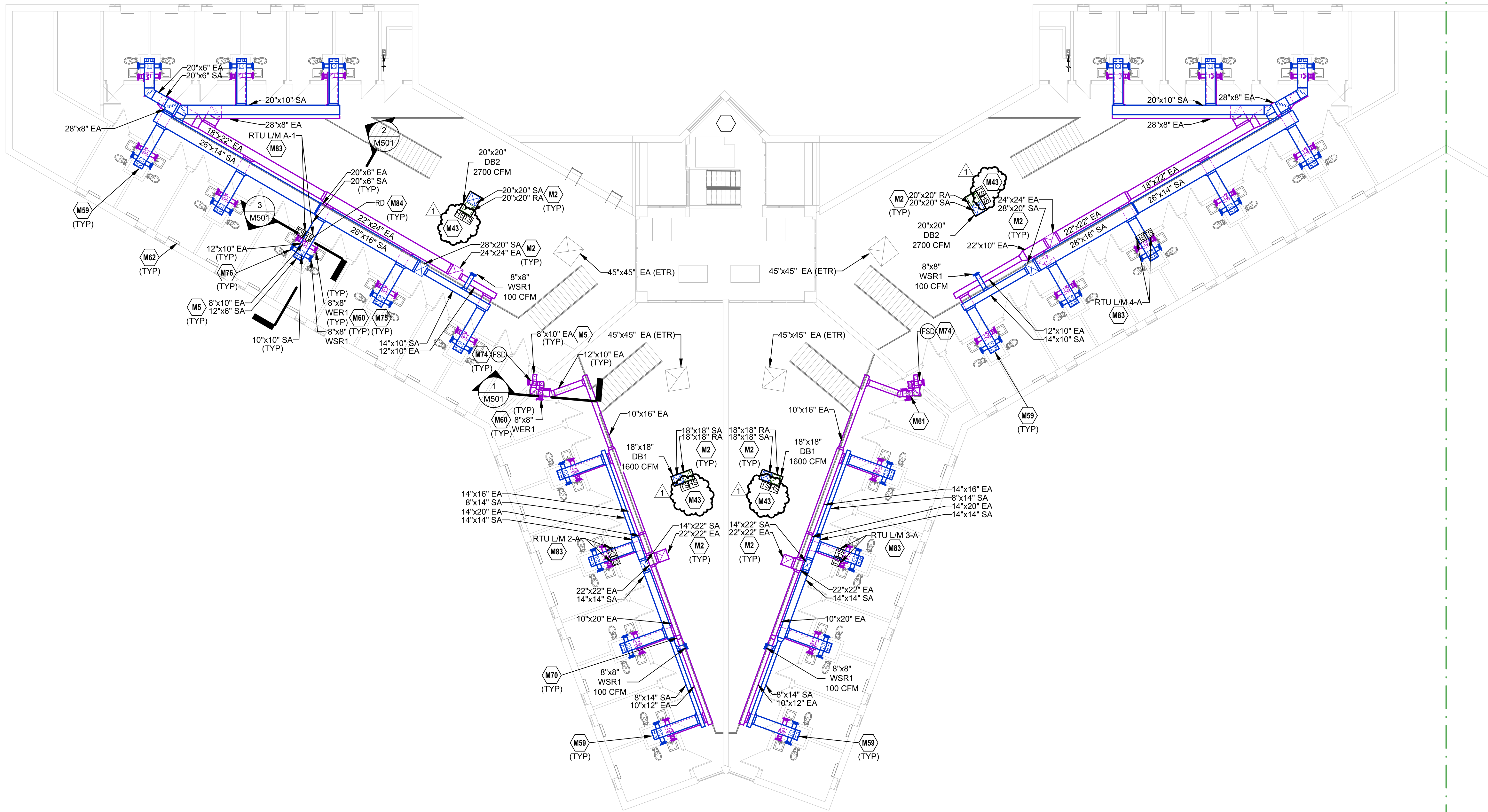
MECHANICAL PLAN NOTES:

- M2 ROUTE DUCT UP TO UNIT ON ROOF. PROVIDE TRANSITION AS REQUIRED TO MATCH UNIT CONNECTION SIZE.
- M5 DUCT DOWN TO FLOOR BELOW.
- M43 PROVIDE TEMPERATURE SENSOR AND HUMIDITY SENSOR INSIDE RETURN AIR DUCT ACCESSIBLE FROM RETURN GRILLE.
- M59 REFER TO TYPICAL TAGGING ON PLANS AND DETAILS 2 & 3 ON SHEET M5.01 FOR CELL CHASE DUCT DETAILS (TYP ALL CELL CHASES).
- M60 REFER TO SCHEDULES ON SHEET M402 FOR AIRFLOWS OF EACH ROOM WITHIN EACH BUILDING.

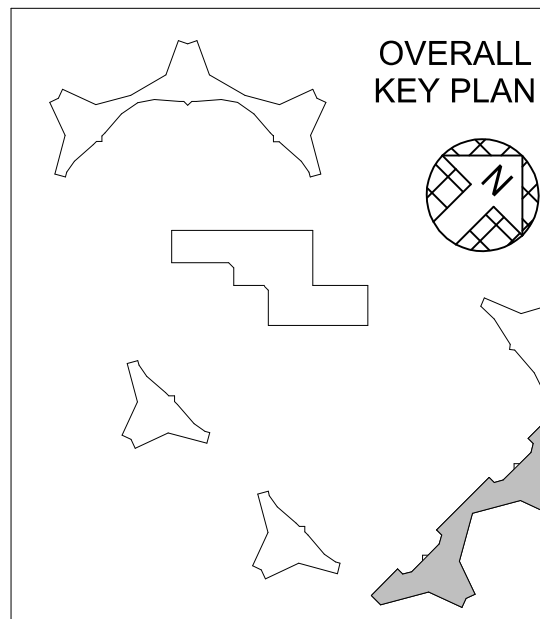
MECHANICAL PLAN NOTES:

- M61 REFER TO TYPICAL TAGGING ON PLANS AND DETAIL 1 ON SHEET M5.01 FOR ALL SHOWER CHASE DUCT DETAILS (TYP ALL SHOWER CHASES).
- M62 EXISTING TO REMAIN BASEBOARD HEATERS.
- M70 PROVIDE ONE SIDED TRANSITIONS FOR ALL HEIGHT TRANSITIONS IN EXHAUST MAIN DUCTWORK SO THAT THE BOTTOM ELEVATION OF EXHAUST MAINS REMAIN CONSTANT.
- M74 COMBINATION FIRE SMOKE DAMPERS SHALL BE 120V.
- M75 INSTALL SUPPLY GRILLE VERTICALLY SUCH THAT DEFLECTION BARS POINT SUPPLY AIRFLOW HORIZONTALLY AWAY FROM ADJACENT EXHAUST GRILLE.
- M76 ADJUST GRILLE LOCATIONS AS REQUIRED TO ACCOMMODATE LOCATION OF EXISTING PIPING. LOCATE SUPPLY GRILLES AS FAR FROM EXHAUST AS POSSIBLE. DUCT SIZES MAY BE CHANGED AS REQUIRED PROVIDED FREE AREA OF DUCT IS UNCHANGED.
- M83 DUCT HUMIDITY AND TEMPERATURE SENSOR LOCATED WITHIN EXHAUST DUCT WITHIN CHASE. PROVIDE A SINGLE DUCT HUMIDITY SENSOR AND DUCT TEMPERATURE SENSOR PER RTU. DO NOT PROVIDE HUMIDITY AND TEMPERATURE SENSORS WITHIN EVERY CHASE.
- M84 DUCT SMOKE DETECTOR BY DIV. 28 (RE: FIRE ALARM DRAWINGS) IN EXHAUST RISER ABOVE EACH SET OF EXHAUST TAPS WITHIN CELL CHASES. EVERY CELL CHASE SHALL BE PROVIDED WITH 2 DUCT SMOKE DETECTORS TOTAL. BOTH DETECTORS SHALL BE LOCATED ON LEVEL 2. REFER TO DETAILS 2&3 ON SHEET M501 FOR MORE INFORMATION.

BUILDINGS L,M ARE IDENTICAL. ANY SCOPE SHOWN ON THIS DRAWING WILL ALSO BE REQUIRED IN BUILDING M.



1 HVAC - LEVEL 2 PLAN - BUILDING L
3/32" = 1'-0"





KELLEY P. CRAMM
LICENSE # E-022323

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
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DRAWN BY: E. Warden
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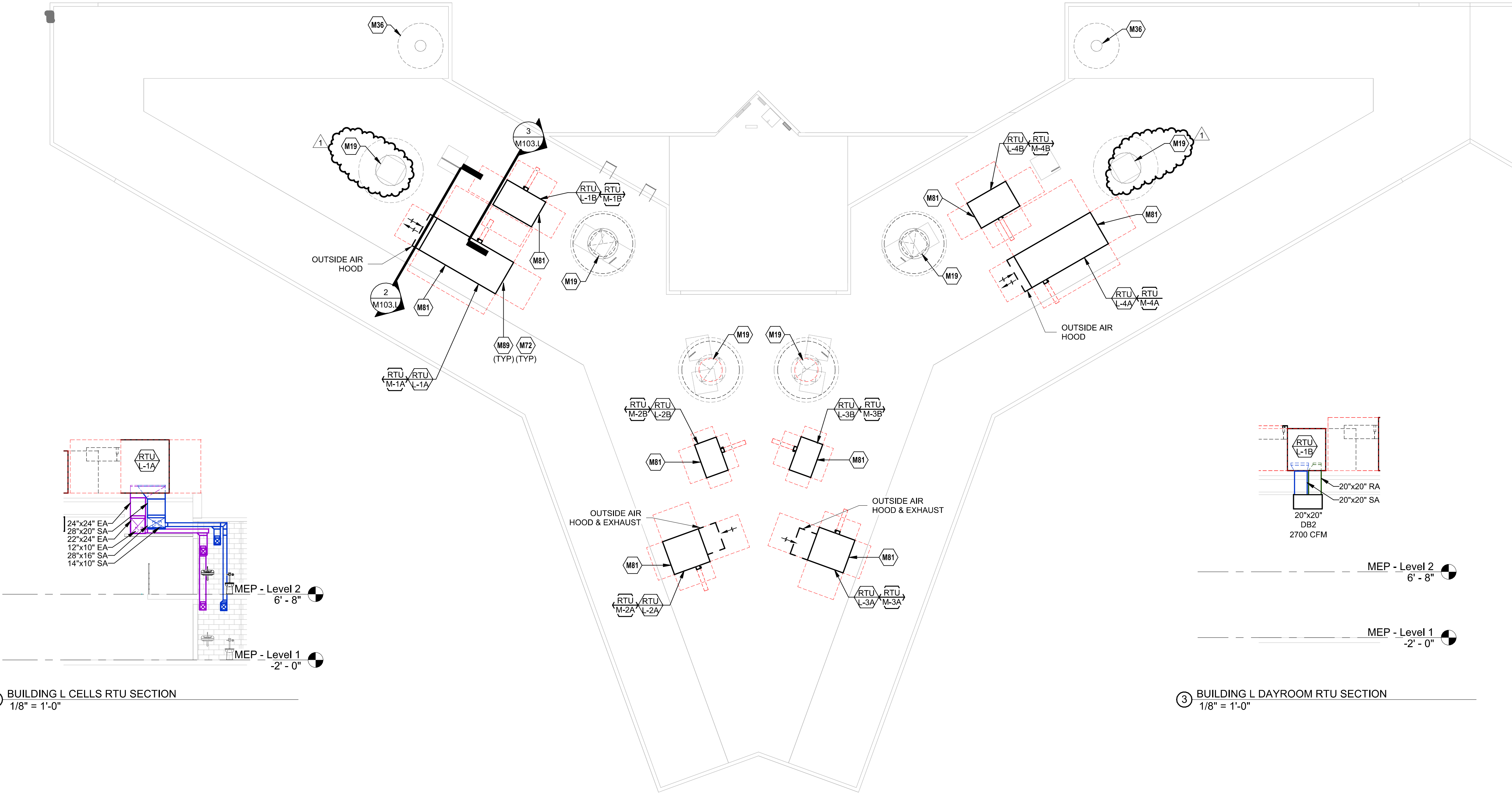
SHEET TITLE:
**MECHANICAL ROOF
PLAN - BUILDING L**

SHEET NUMBER:
M103.L

34 OF 90 SHEETS
09/26/2025

- MECHANICAL PLAN NOTES:**
- M19 EXISTING VENTILATION FAN TO BE ABANDONED IN PLACE AND LOCKED OUT OF SERVICE ALONG WITH ASSOCIATED MOTORIZED DAMPERS AT THE FAN AND INTAKE LOUVER(S). DAMPERS SHALL BE LOCKED OUT IN THE CLOSED POSITION.
- M36 EXISTING EXHAUST FAN TO REMAIN.
- M72 COORDINATE RTU CURB HEIGHT WITH ELEVATION OF CLEARANCE REQUIREMENTS OF RTU AND ROOF PARAPET HEIGHT TO AVOID BLOCKING ACCESS TO ROOFTOP UNIT.
- M81 COORDINATE LOCATION OF ROOFTOP UNITS WITH FIELD VERIFIED LOCATION OF JOIST PEAKS TO LOCATE EDGE OF RTU CURB ON TOP OF JOIST PEAKS. COORDINATE ROOFTOP UNIT AND DUCT DROP POSITIONS WITH STRUCTURAL AND ARCHITECTURAL DISCIPLINES. COORDINATE WITH EXISTING CONDITIONS WITHIN FORMER SOFFIT TO AVOID PLACING RTU IN A POSITION THAT CAUSES DUCT CONFLICTS.
- M89 PROVIDE SECURITY BARS PER DETAIL 4 ON SHEET M500 IN ALL DUCT PENETRATIONS THROUGH ROOF TO ALL RTUS. SEE DETAILS FOR ADDITIONAL INFORMATION.

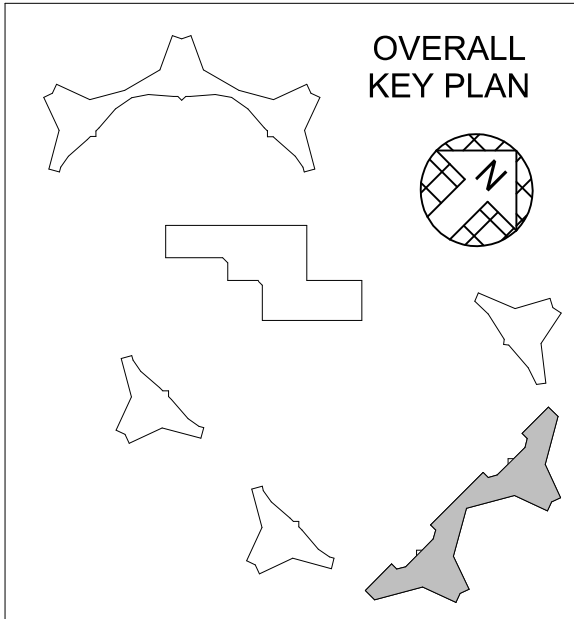
BUILDINGS L,M ARE IDENTICAL. ANY SCOPE SHOWN ON THIS DRAWING WILL ALSO BE REQUIRED IN BUILDING M.



② BUILDING L CELLS RTU SECTION
1/8" = 1'-0"

③ BUILDING L DAYROOM RTU SECTION
1/8" = 1'-0"

① MECHANICAL ROOF PLAN - BUILDING L
3/32" = 1'-0"



ROOFTOP UNIT SCHEDULE (DX COOLING, NATURAL GAS HEAT)

| SUPPLY FAN | | | | | | | | | | | HAS EXHAUST FAN (Y/N) | EXHAUST FAN | | | | | COOLING COIL | | | | | | | | | | GAS FIRED HEAT EXCHANGER | | | | | | | | | | ABS MIN OA (CFM) | ELECTRICAL | | | | | NOTES |
|------------|--------------|---------|--------------|------------------|----------|------|----------|------|--------|-----------|-----------------------|-------------|----------|------|--------|-----------|--------------|----------|----------|------|------|------|------|---------|------|---------------|--------------------------|------|---------------|-----------|-------------|-------------|-------------|---------------|---------------|--------------|------------------|------------|-----|------|-----------|--------------|-----------------|
| MARK | MANUFACTURER | MODEL | NOMINAL TONS | UNIT TYPE | FAN TYPE | CFM | ESP (IN) | BHP | NOM HP | VFD (Y/N) | HAS EXHAUST FAN (Y/N) | CFM | ESP (IN) | BHP | NOM HP | VFD (Y/N) | REFR TYPE | TH (MBH) | SH (MBH) | EAT | | LAT | | MIN EFF | | MIN NO STAGES | MAX VEL (FPM) | CFM | MIN OUT (MBH) | NOM INPUT | MIN EFF (%) | EAT ("F DB) | LAT ("F DB) | MIN NO STAGES | MAX VEL (FPM) | MIN OA (CFM) | ABS MIN OA (CFM) | V/PH | MCA | MOCP | DISC TYPE | WEIGHT (LBS) | NOTES |
| RTU B-1 | DAIKIN | DPSC17B | 17.0 | SZVAV | AF | 3100 | 0.5 | 1.06 | 2.30 | Yes | No | | | | | | R32 | 176.6 | 111.7 | 89.4 | 72.5 | 55.0 | 55.0 | 10.8 | 18.5 | MODULATING | 550 | 3100 | 324.0 | 400.0 | 80 | 19.0 | 95.0 | MODULATING | 500 | 2260 | 1360 | 480/3 | 47 | 70 | F | 2100 | A-T, V, W |
| RTU D-1A | DAIKIN | DPSC07B | 8.0 | PACKAGED 100% OA | AF | 1220 | 1.0 | 0.51 | 1.70 | Yes | Yes | 1360 | 1.00 | 0.37 | 1.20 | Yes | R32 | 94.2 | 36.8 | 85.6 | 78.4 | 55.0 | 55.0 | 13 | 20.3 | MODULATING | 550 | 1220 | 162.0 | 200.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1220 | | 208/3 | 52 | 70 | F | 2300 | A-C, E, P, R, V |
| RTU D-1B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU D-2A | DAIKIN | DPSC12B | 12.0 | PACKAGED 100% OA | AF | 1700 | 1.0 | 0.69 | 1.70 | Yes | Yes | 2220 | 1.00 | 0.58 | 1.70 | Yes | R32 | 140.7 | 55.1 | 85.3 | 78.4 | 55.0 | 55.0 | 11 | 17.6 | MODULATING | 550 | 1700 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1700 | | 208/3 | 78 | 110 | F | 2300 | A-C, E, P, R, V |
| RTU D-2B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU D-3A | DAIKIN | DPSC15B | 15.0 | PACKAGED 100% OA | AF | 1945 | 1.0 | 0.93 | 2.40 | Yes | Yes | 2465 | 1.00 | 0.95 | 2.10 | Yes | R32 | 161.8 | 63.4 | 85.3 | 78.4 | 55.0 | 55.0 | 11.3 | 18.9 | MODULATING | 550 | 1945 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1945 | | 208/3 | 93 | 125 | F | 2400 | A-C, E, P, R, V |
| RTU D-3B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU D-4A | DAIKIN | DPSC10B | 10.0 | PACKAGED 100% OA | AF | 1540 | 1.0 | 0.63 | 1.70 | Yes | Yes | 1600 | 1.00 | 0.45 | 1.20 | Yes | R32 | 124.5 | 48.7 | 85.3 | 78.4 | 55.0 | 55.0 | 11.3 | 19.1 | MODULATING | 550 | 1540 | 162.0 | 200.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1540 | | 208/3 | 63 | 90 | F | 2300 | A-C, E, P, R, V |
| RTU D-4B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU E-1A | DAIKIN | DPSC12B | 12.0 | PACKAGED 100% OA | AF | 1780 | 1.0 | 0.73 | 1.70 | Yes | Yes | 1840 | 1.00 | 0.55 | 1.20 | Yes | R32 | 143.1 | 56.0 | 85.3 | 78.4 | 55.0 | 55.0 | 11 | 17.6 | MODULATING | 550 | 1780 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1780 | | 208/3 | 77 | 110 | F | 2300 | A-C, E, P, R, V |
| RTU E-1B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU E-2A | DAIKIN | DPSC12B | 12.0 | PACKAGED 100% OA | AF | 1785 | 1.0 | 0.73 | 1.70 | Yes | Yes | 2305 | 1.00 | 0.82 | 2.10 | Yes | R32 | 143.3 | 56.1 | 85.3 | 78.4 | 55.0 | 55.0 | 11 | 17.6 | MODULATING | 550 | 1785 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1785 | | 208/3 | 79 | 125 | F | 2300 | A-C, E, P, R, V |
| RTU E-2B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU E-3A | DAIKIN | DPSC10B | 10.0 | PACKAGED 100% OA | AF | 1380 | 1.0 | 0.57 | 1.70 | Yes | Yes | 1900 | 1.00 | 0.58 | 2.10 | Yes | R32 | 120.2 | 47.2 | 85.3 | 78.4 | 55.0 | 55.0 | 11.3 | 19.1 | MODULATING | 550 | 1380 | 162.0 | 200.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1380 | | 208/3 | 65 | 100 | F | 2300 | A-C, E, P, R, V |
| RTU E-3B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU E-4A | DAIKIN | DPSC12B | 12.0 | PACKAGED 100% OA | AF | 1620 | 1.0 | 0.66 | 1.70 | Yes | Yes | 1680 | 1.00 | 0.48 | 1.20 | Yes | R32 | 138.1 | 54.2 | 85.3 | 78.4 | 55.0 | 55.0 | 11 | 17.6 | MODULATING | 550 | 1620 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1620 | | 208/3 | 77 | 110 | F | 2200 | A-C, E, P, R, V |
| RTU E-4B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU F-1A | DAIKIN | DPSC12B | 12.0 | PACKAGED 100% OA | AF | 1780 | 1.0 | 0.73 | 1.70 | Yes | Yes | 1840 | 1.00 | 0.55 | 1.20 | Yes | R32 | 143.1 | 56.0 | 85.3 | 78.4 | 55.0 | 55.0 | 11 | 17.6 | MODULATING | 550 | 1780 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1780 | | 208/3 | 77 | 110 | F | 2300 | A-C, E, P, R, V |
| RTU F-1B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU F-2A | DAIKIN | DPSC15B | 15.0 | PACKAGED 100% OA | AF | 1945 | 1.0 | 0.93 | 1.70 | Yes | Yes | 2465 | 1.00 | 0.95 | 2.10 | Yes | R32 | 161.8 | 63.4 | 85.3 | 78.4 | 55.0 | 55.0 | 11.3 | 18.9 | MODULATING | 550 | 1945 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1945 | | 208/3 | 93 | 125 | F | 2400 | A-C, E, P, R, V |
| RTU F-2B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU F-3A | DAIKIN | DPSC12B | 12.0 | PACKAGED 100% OA | AF | 1700 | 1.0 | 0.69 | 1.70 | Yes | Yes | 2220 | 1.00 | 0.58 | 1.70 | Yes | R32 | 140.7 | 55.1 | 85.3 | 78.4 | 55.0 | 55.0 | 11 | 17.6 | MODULATING | 550 | 1700 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1700 | | 208/3 | 78 | 110 | F | 2300 | A-C, E, P, R, V |
| RTU F-3B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU F-4A | DAIKIN | DPSC12B | 12.0 | PACKAGED 100% OA | AF | 1820 | 1.0 | 0.75 | 1.70 | Yes | Yes | 1880 | 1.00 | 0.57 | 2.10 | Yes | R32 | 144.3 | 56.4 | 85.3 | 78.4 | 55.0 | 55.0 | 11 | 17.6 | MODULATING | 550 | 1820 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1820 | | 208/3 | 79 | 125 | F | 2300 | A-C, E, P, R, V |
| RTU F-4B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU G-1A | DAIKIN | DPSC15B | 15.0 | PACKAGED 100% OA | AF | 1940 | 1.0 | 0.93 | 4.30 | Yes | Yes | 2000 | 1.00 | 0.63 | 2.10 | Yes | R32 | 161.7 | 63.3 | 85.3 | 78.4 | 55.0 | 55.0 | 11.3 | 18.9 | MODULATING | 550 | 1940 | 243.0 | 300.0 | 80 | -0.3 | 95.0 | MODULATING | 500 | 1940 | | 208/3 | 97 | 150 | F | 2400 | A-C, E, P, R, V |
| RTU G-1B | DAIKIN | DHG072 | 6.0 | SZCV | AF | 1600 | 0.5 | 0.65 | 1.20 | Yes | No | | | | | | R32 | 67.7 | 41.8 | 79.9 | 65.8 | 56.4 | 54.9 | 12.5 | 18.6 | 2 | 550 | 1600 | 101.3 | 125.0 | 80 | 52.4 | 95.0 | 2 | 500 | 400 | | 208/3 | 27 | 40 | NF | 800 | A-C, E, P, R, V |
| RTU G-2A | DAIKIN | DPSC15B | 15.0 | PACKAGED 100% OA | AF | 2035 | 1.0 | 0.97 | 4.30</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



KELLEY P. CRAMM
LICENSE # E-022323

HENDERSON
ENGINEERS
8345 LENEKA DRIVE, SUITE 300
LENEKA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2450001658
MO. CORPORATE NO. E-5568D
EXPIRES 12/31/2026

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

HVAC IMPROVEMENTS -
FULTON RECEPTION AND
DIAGONSTIC
CORRECTIONAL CENTER

1393 ROUTE O
FULTON, MO 65251

PROJECT # C2406-01
SITE # 7010
FACILITY # 9327010027

REVISION: Addendum #2
DATE: 12/12/2025
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 09/26/2025

CAD DWG FILE:
DRAWN BY: E. Warden
CHECKED BY: J. Pummill
DESIGNED BY: M. Mizell, E. Warden

SHEET TITLE:
**MECHANICAL
CONTROLS**

SHEET NUMBER:

M600

39 OF 90 SHEETS
09/26/2025

PROJECT DESIGN CONDITIONS

| CLIMATE CONDITIONS | | REFERENCE | BUILDING OPERATING HOURS: | |
|----------------------------|--|-----------------------|---------------------------|------|
| WEATHER STATION: | | 2021 ASHRAE | MONDAY - FRIDAY | 24/7 |
| CLIMATE ZONE: | | | SATURDAY | 24/7 |
| ASHRAE HEATING: | | 99.6% | SUNDAY | 24/7 |
| DESIGN HEATING CONDITIONS: | | 3.2 °F DB | HOLIDAY | 24/7 |
| ASHRAE COOLING: | | 0.4% | | |
| DESIGN COOLING CONDITIONS: | | 94.7 °F DB 75.7 °F WB | | |

| SPACE / UNIT DESCRIPTION | SET POINTS | | | | | | | | | SPACE OPERATING HOURS | | | NOTES | | | |
|-----------------------------|-----------------------------|-------------|-------------|-----------|-------------|-------------|-------------------|-------------|----------------|------------------------|------|------|-------|-----------------------|--|--|
| | COOLING / DE-HUMIDIFICATION | | | HEATING | | | HUMIDIFICATION | | | ZONE VENTILATION RESET | | | | OCCUPIED / UNOCCUPIED | | |
| | OCC °F | MAX RH % | MIN RH % | OCC °F | MIN RH % | MAX RH % | CONTROL METHOD | BASE PPM | MAXIMUM PPM | DAYS OF THE WEEK | | | | | | |
| | | | | | | | | | | M-F | SAT | SUN | | | | |
| ADMINISTRATIVE SPACES | 74 | 50% | NA | 69 | NA | NA | NA | NA | NA | 24/7 | 24/7 | 24/7 | B-D | | | |
| DAYROOMS/JAIL SPACES | 75 | 50% | NA | 70 | NA | NA | NA | NA | NA | 24/7 | 24/7 | 24/7 | B-D | | | |
| ELECTRICAL / IT SPACES | 70 | 50% | NA | 65 | NA | NA | NA | NA | NA | 24/7 | 24/7 | 24/7 | B-D | | | |

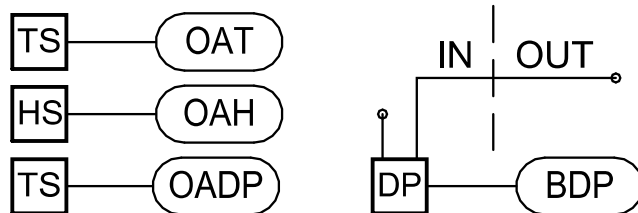
NOTES:
B. ZONE LEVEL SET POINT CONDITIONS SHALL B...
C. ZONE LEVEL OCCUPANCY HOUR SCHEDULE SHALL BE PER BUILDING OPERATING HOURS UNLESS OTHERWISE SCHEDULED.
D. ZONE LEVEL CONTROLS SHALL BE CAPABLE O...

POINTS LIST - GLOBAL BUILDING MONITORING

| POINT ID | DESCRIPTION | POINT TYPE | UNITS | ACCURACY | TRENDING INTERVAL | ENERGY DASHBOARD DISPLAY | STATUS ALARM | ALARM RANGE | NOTES |
|----------------------|----------------------------------|---------------|----------|----------|----------------------|--------------------------------|-----------------|---------------------|-------|
| BUILDING SENSORS | | | | | | | | | |
| BDP | BUILDING DIFFERENTIAL PRESSURE | AI | IN, W.G. | SPEC | 15 MIN. | X | X | -0.15 > BDP > +0.20 | A, B |
| OAT | OUTSIDE AIR DRY BULB TEMPERATURE | AI | °F | SPEC | 15 MIN. | X | | | |
| OAH | OUTSIDE AIR RELATIVE HUMIDITY | AI | % | SPEC | 15 MIN. | X | | | |
| ELECTRICITY METERING | | | | | | | | | |
| E-KW | ELECTRIC DEMAND | AV | KW | ±1.0% | 15 MIN. | X | | | E |
| E-KW-P | ELECTRIC PEAK HISTORICAL DEMAND | AV | KW | | 15 MIN. | | | | F |
| E-KWH | ELECTRIC CONSUMPTION | [AV][AI] | KWH | ±1.0% | 15 MIN. | X | | | E |
| E-KWH-P | ELECTRIC KWH PER RATE PERIOD | AV | KWH | | 15 MIN. | X | | | G |

NOTES:
A. INITIAL SETPOINT SHALL BE 0.05 IN, W.G. COORDINATE FINAL SETPOINT AT BUILDING STARTUP.
B. APPLY A MOVING TIME AVERAGE TO BUILDING DIFFERENTIAL PRESSURE USING A SLIDING 5-MINUTE WINDOW TO REDUCE DAMPER AND FAN CONTROL FLUCTUATIONS.
C. PERFORM PSYCHROMETRIC CALCULATION TO OBTAIN VALUE BASED ON OUTSIDE AIR DRY BULB TEMPERATURE (OAT) AND OUTSIDE AIR RELATIVE HUMIDITY (OAH).
D. POINT SHALL BE OBTAINED FROM METER WITH ONBOARD WEB INTERFACE (IE ELECTRICAL)

GENERAL



1 GLOBAL POINTS MONITORING
NTS

SZCV ROOFTOP UNIT CONTROL MATRIX

| CONTROL FEATURE | UNITS | RTUs D/E/F/G/K/L/M 1-4B SETPOINT OR Y/N | POINT TYPE INTERFACE WITH DDC (READ/WRITE) | NOTES |
|---|-------|---|--|-------|
| BUILDING AUTOMATION SYSTEM (BAS) | | | | |
| BAS MONITORING AND MANAGEMENT INTERFACE | | Y | BACNET | A |
| SETPOINTS | | | | |
| COOLING - OCCUPIED SETPOINT | °F | 75 | READ/WRITE | |
| COOLING - OVERNIGHT SETBACK SETPOINT | °F | 80 | READ/WRITE | |
| DEAD BAND - MINIMUM HEATING AND COOLING TEMPERATURE SETPOINT DIFFERENCE | °F | 5 | | |
| HEATING - OCCUPIED SETPOINT | °F | 70 | READ/WRITE | |
| HEATING - OVERNIGHT SETBACK SETPOINT | °F | 60 | READ/WRITE | |
| DEHUMIDIFICATION SETPOINT - HUMIDITY SENSOR FEEDBACK | % RH | 60% | READ/WRITE | B |
| PROGRAMMED CONTROL FEATURES | | | | |
| HVAC SYSTEM OCCUPIED/OVERNIGHT SETBACK MODE - SCHEDULED THROUGH BAS | | Y | READ | B |
| REMOTE TEMPERATURE SENSOR | | Y | READ | B |
| REMOTE HUMIDITY SENSOR | | Y | | B |
| EQUIPMENT ACCESSORIES AND CONTROL MODULES | | | | |
| OUTSIDE AIR DAMPER - MOTOR OPERATED (MODULATING) | | Y | READ POSITION | L |
| RELIEF - BAROMETRIC DAMPER | | Y | | |
| COOLING COIL (DX - STAGED) | | Y | READ STATUS | M |
| DEHUMIDIFICATION - HOT GAS REHEAT | | Y | READ STATUS | O |
| HEATING COIL (NATURAL GAS) | | Y | READ STATUS | M |
| SUPPLY FAN CONTROL METHODS | | | | |
| ON CONTINUOUSLY | | Y | | |
| CONSTANT VOLUME FAN CONTROL | | Y | READ STATUS | |
| SAFETIES, INTERLOCKS, AND ALARMS | | | | |
| GAS VALVE SAFETY | | Y | READ | F |
| LOW LIMIT FREEZE/STAT - FREEZE PROTECTION SAFETY SHUTDOWN | | Y | READ | F |
| FIRE ALARM CONTROL PANEL - SAFETY SHUTDOWN INTERLOCK | | Y | READ | |
| REFRIGERANT LEAK DETECTION ALARM | | Y | READ | F |

EQUIPMENT MANUFACTURER SHALL PROVIDE CONTROL PANEL(S), INTERNAL WIRING, TEMPERATURE SENSOR(S), HUMIDITY SENSOR(S), AND/OR CO2 SENSOR(S) WHERE SHOWN ON THE DRAWINGS AND AS REQUIRED TO FACILITATE THE SCHEDULED CONTROL MODULES AND SEQUENCES OF OPERATION. EACH UNIT SHALL CONTROL BASED ON ITS OWN INTERNAL SAFETIES, TIME DELAYS, AND SEQUENCES UNLESS NOTED OTHERWISE. COORDINATE WITH OWNER FINAL BUILDING AND EQUIPMENT SCHEDULES DURING STARTUP. REFERENCE DIVISION SPECIFICATIONS FOR INDIVIDUAL DEVICE REQUIREMENTS. ALL EXTERNAL CONTROL WIRING SHALL BE BY DIVISION 23 CONTRACTOR.

NOTES:
A. PROVIDE UNIT WITH FACTORY MOUNTED DDC CONTROLS AND INTEGRATE INTO THE BAS. BAS SHALL PROVIDE REMOTE SETPOINT ADJUSTMENT, SCHEDULING, AND MONITORING OF THE POINTS LISTED IN THE SCHEDULE FOR EACH UNIT.
B. EQUIPMENT MANUFACTURER SHALL PROVIDE DEVICE.
C. EQUIPMENT MANUFACTURER SHALL PROVIDE DEVICE.
D. EQUIPMENT MANUFACTURER SHALL PROVIDE DEVICE.
E. EQUIPMENT MANUFACTURER SHALL PROVIDE DEVICE.
F. DEVICE SHALL BE FACTORY MOUNTED AND PRE-WIRED FOR OPERATION SUBJECT TO THE ONBOARD CONTROLLER.
L. EQUIPMENT MANUFACTURER SHALL PROVIDE MODULATING DAMPER AND CONTROLS CAPABLE OF ADJUSTING THE DAMPER POSITION TO MAINTAIN THE SCHEDULED OUTSIDE AIR ON THE DRAWINGS ACROSS ALL FAN SPEEDS. DIV. 23 CONTRACTOR SHALL PROGRAM MULTIPLE DAMPER POSITION SETPOINTS IN THE FIELD DURING TESTING AND BALANCING TO MAINTAIN MINIMUM VENTILATION WHEN NOT IN ECONOMIZER.
M. UNITARY CONTROLLER SHALL MODULATE AND/OR CYCLE SUPPLY FAN SPEED SETTING AND COIL CAPACITY STAGES SUBJECT TO THE INTERNAL SAFETIES AND SEQUENCES TO MAINTAIN SCHEDULED SETPOINTS.
O. DEHUMIDIFICATION SEQUENCE SHALL BE BASED ON ZONE AIR HUMIDITY.

SZVAV ROOFTOP UNIT CONTROL MATRIX

| CONTROL FEATURE | UNITS | RTU-B1 SETPOINT OR Y/N | NOTES |
|---|-------|------------------------------|-------|
| SETPOINTS | | | |
| COOLING - OCCUPIED SETPOINT | °F | 75 | |
| COOLING - UNOCCUPIED SETPOINT | °F | 80 | |
| DEAD BAND - MINIMUM HEATING AND COOLING TEMPERATURE SETPOINT DIFFERENCE | °F | 5 | |
| HEATING - OCCUPIED SETPOINT | °F | 70 | |
| HEATING - UNOCCUPIED SETPOINT | °F | 60 | |
| DEHUMIDIFICATION SETPOINT - HUMIDITY SENSOR FEEDBACK | % RH | 60% | B |
| PROGRAMMED CONTROL FEATURES | | | |
| HVAC SYSTEM OCCUPIED/UNOCCUPIED MODE - PROGRAMMABLE THERMOSTAT | | Y | B |
| REMOTE TEMPERATURE SENSOR | | Y | B |
| REMOTE HUMIDITY SENSOR | | Y | B |
| DEMAND CONTROL VENTILATION - CO2 SENSOR FEEDBACK | PPM | 1,000 | B |
| MORNING WARM-UP SEQUENCE | | Y | |
| MORNING COOL-DOWN SEQUENCE | | Y | |
| EQUIPMENT ACCESSORIES AND CONTROL MODULES | | | |
| OUTSIDE AIR DAMPER - MOTOR OPERATED (MODULATING) | | Y | L |
| RELIEF - BAROMETRIC DAMPER | | Y | |
| COOLING COIL (DX - VARIABLE SPEED) | | Y | M |
| DEHUMIDIFICATION - HOT GAS REHEAT | | Y | O |
| HEATING COIL (NATURAL GAS) | | Y | M |
| SUPPLY FAN CONTROL METHODS | | | |
| ON DURING OCCUPIED HOURS | | Y | |
| CYCLE WITH LOADS DURING UNOCCUPIED HOURS | | Y | |
| OPTIMUM START SEQUENCE | | Y | |
| VARIABLE VOLUME - MODULATE FAN SPEED IN RESPONSE TO ZONE TEMPERATURE | | Y | M, R |
| SAFETIES, INTERLOCKS, AND ALARMS | | | |
| GAS VALVE SAFETY | | Y | F |
| LOW LIMIT FREEZE/STAT - FREEZE PROTECTION SAFETY SHUTDOWN | | Y | F |
| REFRIGERANT LEAK DETECTION ALARM | | Y | F |

EQUIPMENT MANUFACTURER SHALL PROVIDE CONTROL PANEL(S), INTERNAL WIRING, TEMPERATURE SENSOR(S), HUMIDITY SENSOR(S), AND/OR CO2 SENSOR(S) WHERE SHOWN ON THE DRAWINGS AND AS REQUIRED TO FACILITATE THE SCHEDULED CONTROL MODULES AND SEQUENCES OF OPERATION. EACH UNIT SHALL CONTROL BASED ON ITS OWN INTERNAL SAFETIES, TIME DELAYS, AND SEQUENCES UNLESS NOTED OTHERWISE. COORDINATE WITH OWNER FINAL BUILDING AND EQUIPMENT SCHEDULES DURING STARTUP. REFERENCE DIVISION SPECIFICATIONS FOR INDIVIDUAL DEVICE REQUIREMENTS. ALL EXTERNAL CONTROL WIRING SHALL BE BY DIVISION 23 CONTRACTOR.

NOTES:
B. EQUIPMENT MANUFACTURER SHALL PROVIDE DEVICE.
C. EQUIPMENT MANUFACTURER SHALL PROVIDE DEVICE.
D. EQUIPMENT MANUFACTURER SHALL PROVIDE MODULATING DAMPER AND CONTROLS CAPABLE OF ADJUSTING THE DAMPER POSITION TO MAINTAIN THE SCHEDULED OUTSIDE AIR ON THE DRAWINGS ACROSS ALL FAN SPEEDS. DIV. 23 CONTRACTOR SHALL PROGRAM MULTIPLE DAMPER POSITION SETPOINTS IN THE FIELD DURING TESTING AND BALANCING TO MAINTAIN MINIMUM VENTILATION WHEN NOT IN ECONOMIZER.
M. UNITARY CONTROLLER SHALL MODULATE AND/OR CYCLE SUPPLY FAN SPEED SETTING AND COIL CAPACITY STAGES SUBJECT TO THE INTERNAL SAFETIES AND SEQUENCES TO MAINTAIN SCHEDULED SETPOINTS.
O. DEHUMIDIFICATION SEQUENCE SHALL BE BASED ON ZONE AIR HUMIDITY.
R. PROVIDE MODULATING FAN CONTROL WITH MINIMUM SPEED LESS THAN 50% OF FULL SPEED. AT MINIMUM SPEED THE FAN SHALL DRAW NO MORE THAN 30% OF FULL SPEED POWER.



12/12/25
NATHAN W. STOSS
LICENSE # PE-2023044638

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2450001658
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2026

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

HVAC IMPROVEMENTS -
FULTON RECEPTION AND
DIAGONSTIC
CORRECTIONAL CENTER

1393 ROUTE O
FULTON, MO 65251

PROJECT # C2406-01
SITE # 7010
FACILITY # 9327010027

REVISION: Addendum #2
DATE: 12/12/2025
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/26/2025

CAD DWG FILE:
DRAWN BY: A. Manning
CHECKED BY: N. Stoss
DESIGNED BY: A. Manning, J. Vidal

SHEET TITLE:

EQUIPMENT
CONNECTION -
LEVEL 1 - BLDG D

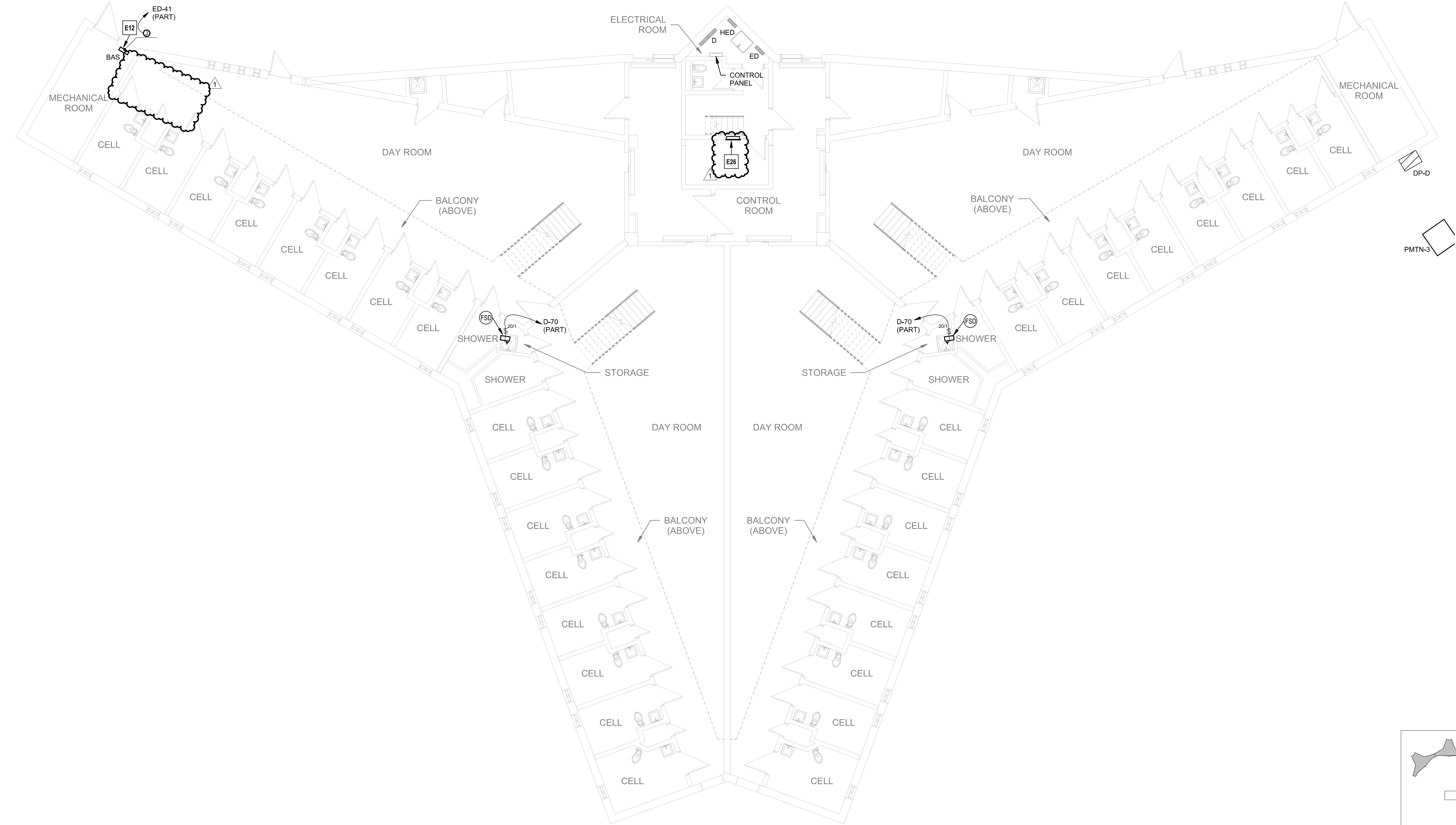
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E301.D

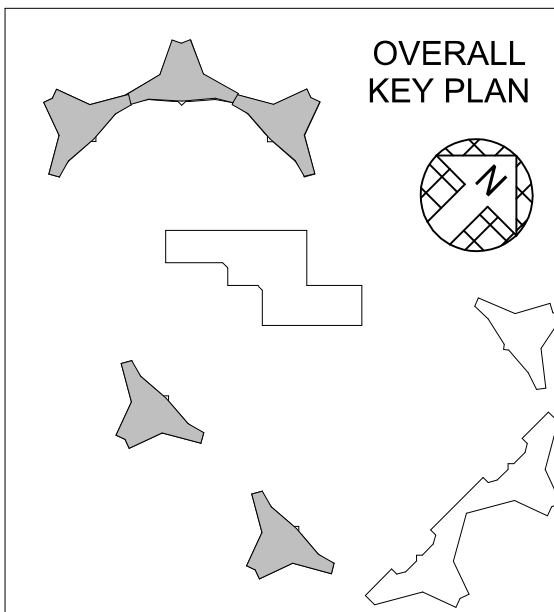
60 OF 90 SHEETS
09/26/2025

ELECTRICAL PLAN NOTES:

E12 BAS SYSTEM CONTROL PANEL. PROVIDE DATA AND POWER
CONNECTION. COORDINATE LOCATION AND REQUIREMENTS
WITH CONTROLS CONTRACTOR AND MECHANICAL SHEETS
PRIOR TO ROUGH-IN
E26 RECONNECT NEW FIRE ALARM CONTROL PANEL TO
EXISTING CIRCUIT.



1 EQUIPMENT CONNECTION - LVL 1 PLAN - BLDG. D - TYP. OF BLDGS. E,F,G,&K
1/8" = 1'-0"





12/12/25
NATHAN W. STOSS
LICENSE # PE-2023044638

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2450001658
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2026

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MANAGEMENT,
DESIGN AND CONSTRUCTION

HVAC IMPROVEMENTS -
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DIAGONSTIC
CORRECTIONAL CENTER

1393 ROUTE O
FULTON, MO 65251

PROJECT # C2406-01
SITE # 7010
FACILITY # 9327010027

REVISION: Addendum #2
DATE: 12/12/2025
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 09/26/2025

CAD DWG FILE:
DRAWN BY: A. Manning
CHECKED BY: N. Stoss
DESIGNED BY: A. Manning, J. Vidal

SHEET TITLE:
**EQUIPMENT
CONNECTION -
LEVEL 1 - BLDG L**

SHEET NUMBER:

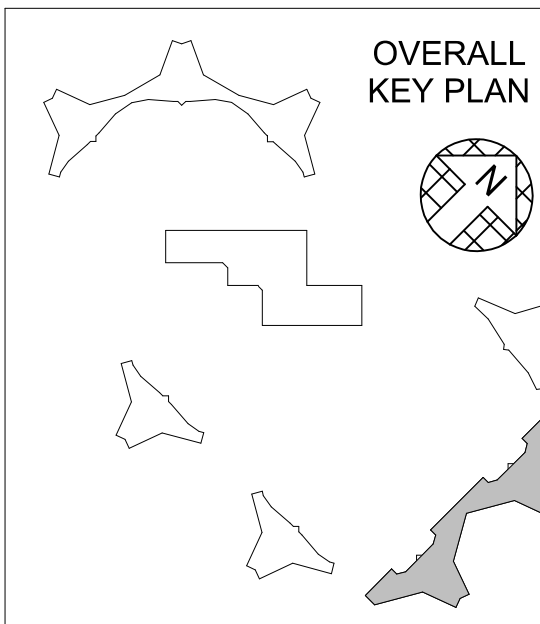
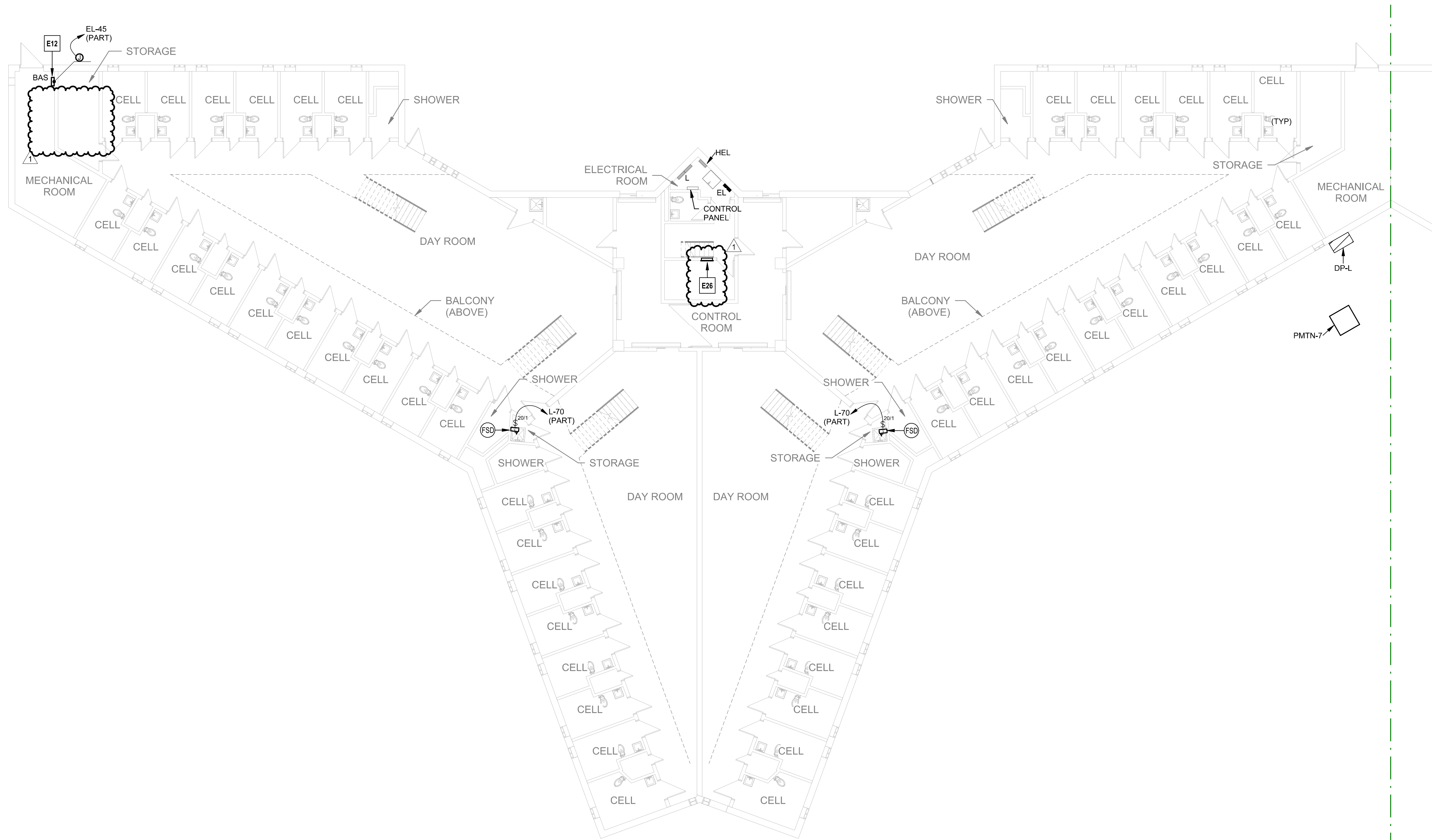
E301.L

61 OF 90 SHEETS
09/26/2025

ELECTRICAL PLAN NOTES:

E12 BAS SYSTEM CONTROL PANEL. PROVIDE DATA AND POWER
CONNECTION. COORDINATE LOCATION AND REQUIREMENTS
WITH CONTROLS CONTRACTOR AND MECHANICAL SHEETS
PRIOR TO ROUGH-IN.

E26 RECONNECT NEW FIRE ALARM CONTROL PANEL TO
EXISTING CIRCUIT.



FIRE ALARM SCOPE OF WORK:

1. FIRE ALARM SCOPE OF WORK INCLUDES THE DEMOLITION OF THE EXISTING SIMPLEX FIRE ALARM SYSTEM AND PROVISION OF A NEW POTTER BRAND FIRE ALARM SYSTEM WITHIN BUILDINGS D, E, F, G, K, L, AND M. FIRE ALARM CONTROL PANEL PROVIDED SHALL BE POTTER BRAND, NETWORKABLE, AND COMPATIBLE WITH PLANNED INSTALLATION OF WORKSTATION LOCATED IN ADMINISTRATION BUILDING A.

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FIRE ALARM GENERAL DEMOLITION NOTES:

1. COORDINATE ALL DEMOLITION WITH WHAT IS SHOWN ON ARCHITECTURAL PLANS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. PRIOR TO SUBMITTING BID, REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER OR OWNER, AS DEFINED IN BID DOCUMENTS, OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID. ADDITIONAL COMPENSATION WILL NOT BE PAID FOR LACK OF SUCH DETERMINATION, FAMILIARIZATION, AND/OR ALLOWANCE.
4. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
5. OWNER RETAINS RIGHTS OF SALVAGE FOR EQUIPMENT AND FIXTURES TO BE REMOVED. COORDINATE WITH THE OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO EQUIPMENT DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION. PROPERLY DISPOSE OF MATERIALS THAT ARE REMOVED AND ARE NOT REQUESTED TO BE SALVAGED BY THE OWNER.
6. REMOVE ITEMS SHOWN HEAVY LINED AND/OR CROSSHATCHED AND/OR NOTED TO BE REMOVED.
7. EQUIPMENT TO BE REMOVED SHALL BE KEPT FOR REINSTALLATION DURING THE CONSTRUCTION PHASE WHEN POSSIBLE AND/OR INDICATED ON THE DRAWINGS. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN FOR NEW INSTALLATION. REPAIR ANY DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.
8. SEAL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND ROOFS WHERE COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR DAMAGED SURFACES TO MATCH ADJACENT AREAS OR AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
9. PERFORM ALL WORK ACCORDING TO THE PHASING SCHEDULE FOR THIS PROJECT. PROVIDE ALL TEMPORARY DESIGN AND/OR CONFIGURATIONS THAT MEET APPLICABLE CODE REQUIREMENTS AS NECESSARY TO CONFORM TO THE REQUIRED CONSTRUCTION PHASING OF THE PROJECT.
10. ONLY THE PORTIONS OF THE BUILDING AFFECTED BY THE SCOPE OF THE PROJECT HAVE BEEN SHOWN. INFORMATION SHOWN AS EXISTING TO REMAIN IS NOT BEING MODIFIED AS A PART OF THIS PROJECT.
11. ALL WORK SHALL BE PERFORMED SO AS TO NOT INTERRUPT SERVICE. THE CONTRACTOR SHALL PROPERLY NOTIFY THE BUILDING OWNER, LANDLORD, THE LEASER AND ADJACENT TENANTS AS APPLICABLE A MINIMUM OF 48 HOURS IN ADVANCE BEFORE PROCEEDING WITH THIS WORK.
12. REMOVE ALL UNUSED AND DEMOLISHED EQUIPMENT AND ASSOCIATED MATERIALS FROM SITE. ABANDONING UNUSED PORTIONS WILL NOT BE ACCEPTABLE.
13. SYSTEM(S) NOT ASSOCIATED WITH THE DEMOLITION SHALL BE LEFT IN SERVICE AS APPLICABLE.
14. INSPECT EXISTING EQUIPMENT TO REMAIN TO VERIFY THAT EQUIPMENT IS OPERATING PROPERLY. NOTIFY OWNER OF DAMAGED AND/OR MALFUNCTIONING COMPONENTS.
15. ALL SYSTEMS TO BE LEFT IN SERVICE PRIOR TO THE END OF EACH WORKDAY.

FIRE ALARM GENERAL NOTES:

1. PRIOR TO SUBMITTING BID, REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
3. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE FINAL SYSTEM DESIGN AND LAYOUT OF ALL COMPONENTS. COORDINATION WITH ALL OTHER TRADES, AND SYSTEM CALCULATIONS REQUIRED FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION, ENGINEER, AND OWNER'S INSURER.
4. DEVIATIONS FROM ENGINEER'S DESIGN WILL NOT BE CONSIDERED UNLESS A FORMALLY SUBMITTED RFI IS RECEIVED AND APPROVED.
5. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
6. WHERE EXISTING SYSTEMS ARE PRESENT, CONTRACTOR SHALL MODIFY, RELOCATE AND/OR PROVIDE ADDITIONAL EQUIPMENT AS REQUIRED FOR SCOPE OF WORK AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH WALLS, CEILINGS, LIGHTS, DIFFUSERS, STRUCTURE, OBSTRUCTIONS, ETC. IN AREAS AFFECTED BY SCOPE OF WORK, NEW EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING SYSTEMS. CONTRACTOR SHALL REMOVE ALL ABANDONED EQUIPMENT, COORDINATE SYSTEM MODIFICATIONS TO MINIMIZE SYSTEM IMPAIRMENT, AND PROVIDE FIRE WATCH AND/OR INTERIM FIRE PROTECTION MEASURES WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION, INSURANCE CARRIER OR OWNER.
7. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED DUE TO LACK OF COORDINATION OR TO MEET AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
8. FORWARD COMPLETED CERTIFICATE OF COMPLETION AND CONTRACTOR MATERIAL TEST CERTIFICATES TO THE OWNER.
9. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FIRE ALARM SYMBOLS

| THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED. | | | | V2.07 | | |
|---|---------------------------------|------------|-----------------------------|-------|---|--|
| ABBREVIATIONS | | FIRE ALARM | | | | |
| AFF | ABOVE FINISHED FLOOR | NIC | NOT IN CONTRACT | FFSCP | FIRE FIGHTER SMOKE CONTROL PANEL | |
| AFG | ABOVE FINISHED GRADE | OC | ON CENTER | FACP | RECESSED FIRE ALARM CONTROL PANEL/UNIT | |
| CD | CANDELA | PIV | POST INDICATOR VALVE | FAAP | FIRE ALARM ANNUNCIATOR PANEL | |
| DI | DUCTILE IRON | PRV | PROVIDE FURNISH AND INSTALL | FAAP | RECESSED FIRE ALARM ANNUNCIATOR PANEL | |
| ESFR | EARLY SUPPRESSION FAST RESPONSE | RD | PRESSURE REDUCING VALVE | AMP | AMPLIFIER PANEL | |
| ETR | EXISTING TO REMAIN | REV | RETURN DUCT | RPS | REMOTE POWER SUPPLY | |
| FHC | FIRE HOSE CABINET | SD | REVISION | RT | REMOTE TEST STATION WITH INDICATING LIGHT | |
| FP | FIRE PROTECTION | SF | SUPPLY DUCT | RL | REMOTE INDICATING LIGHT | |
| GC | CONTRACTOR | SF | SQUARE FEET | PS | PRESSURE SWITCH LOW/HIGH | |
| GPM | GALLONS PER MINUTE | TYP | TYPICAL | FS | WATERFLOW ALARM SWITCH | |
| JB/J-BOX | JUNCTION BOX | UNO | UNLESS NOTES OTHERWISE | VT | CONTROL VALVE TAMPER SWITCH | |
| MAX | MAXIMUM | V | VOLT(S) | DH | MAGNETIC DOOR HOLD OPEN DEVICE | |
| MIN | MINIMUM | W | WATTS | CM | CONTROL MODULE | |
| N/A | NOT APPLICABLE | WP | WEATHERPROOF | MM | MONITOR MODULE | |
| | | | | | K | FIRE DEPARTMENT KEY BOX |
| | | | | | □ | PULL STATION |
| | | | | | ▼ | FIREFIGHTER'S PHONE JACK |
| | | | | | ⓘ | HEAT DETECTOR (E INDICATES ELEVATOR RECALL) |
| | | | | | ① | SMOKE DETECTOR (E INDICATES ELEVATOR RECALL) |
| | | | | | ① | SINGLE STATION SMOKE DETECTOR |
| | | | | | ① | PROJECTED BEAM SMOKE DETECTOR |
| | | | | | ① RD | DUCT MOUNTED SMOKE DETECTOR (SD=SUPPLY/RD=RETURN) |
| | | | | | GO | CARBON MONOXIDE DETECTOR |
| | | | | | Ⓜ | AREA OF REFUGE 2-WAY COMMUNICATION SYSTEM |
| | | | | | F | WALL MOUNTED AUDIBLE NOTIFICATION APPLIANCE |
| | | | | | W | #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY) |
| | | | | | V | WALL MOUNTED VISIBLE NOTIFICATION APPLIANCE |
| | | | | | W | #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY) |
| | | | | | F | WALL MOUNTED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE |
| | | | | | W | #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY) |
| | | | | | F | CEILING MOUNTED AUDIBLE NOTIFICATION APPLIANCE |
| | | | | | W | #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY) |
| | | | | | V | CEILING MOUNTED VISIBLE NOTIFICATION APPLIANCE |
| | | | | | W | #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY) |
| | | | | | F | CEILING MOUNTED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE |
| | | | | | W | #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY) |
| | | | | | ⋮ | END OF LINE RESISTOR |
| | | | | | ⏏ | ABORT SWITCH |
| | | | | | 🔔 | BELL |
| HATCHING LEGEND | | | | | | |
| ENLARGED PLAN | | | | | | |
| NOT IN SCOPE (NIS) | | | | | | |
| LINETYPE LEGEND | | | | | | |
| THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC. | | | | | | |
| EXISTING | | | NEW | | | |
| DEMOLISH | | | FUTURE | | | |

SHEET LIST - FIRE ALARM

| SHEET NUMBER | SHEET NAME |
|--------------|---|
| FA000 | FIRE ALARM GENERAL NOTES AND LEGEND |
| FA100 | FIRE ALARM SITE PLAN |
| FA101.D | FIRE ALARM - LEVEL 1 PLAN - BUILDING D |
| FA101.L | FIRE ALARM - LEVEL 1 PLAN - BUILDING L |
| FA102.D | FIRE ALARM - LEVEL 2 PLAN - BUILDING D |
| FA102.L | FIRE ALARM - LEVEL 2 PLAN - BUILDING L |
| FA500 | FIRE ALARM DETAILS |
| FAD101.D | FIRE ALARM - LEVEL 1 DEMO PLAN - BUILDING D |
| FAD101.L | FIRE ALARM - LEVEL 1 DEMO PLAN - BUILDING L |
| FAD102.D | FIRE ALARM - LEVEL 2 DEMO PLAN - BUILDING D |
| FAD102.L | FIRE ALARM - LEVEL 2 DEMO PLAN - BUILDING L |

