ADDENDUM NO. 03

December 10, 2025

Kalamazoo Public Schools Loy Norrix High School Mechanical Improvements
606 East Kilgore Road
Kalamazoo, MI 49001

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated October 31, 2025, by TowerPinkster. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 3-4 through ADD 3-1 and TowerPinkster Addendum No. 03, dated December 9, 2025, consisting of 17 pages.

A. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

Paragraph 3.03 BID CATEGORIES

A. **Bid Category No. 01 – GENERAL TRADES**

Add the following Clarifications:

1. **Each Bid Category** shall provide 07 84 13 Penetration Firestopping, 07 84 43 Joint Firestopping, and 07 92 00 Joint Sealants as required for any joints or penetrations they create.

2. **Roofing Bid Category** shall provide Section 06 1000 "Rough Carpentry" for wood nailers, curbs, and blocking, and for wood-based, structural-use roof deck panels. **General Trades Bid Category** shall provide floor protection as specified in Section 01 52 10 – Construction Aids and Temporary Enclosures (refer to section updates noted in this Addendum). **Each Bid Category** is responsible for protecting, replacing, re-securing, or modifying the floor protection as necessary to maintain its integrity, at the discretion of the Construction Manager.

B. **Bid Category No. 02 – INTERIOR FINISHES**

Add the following Clarifications:

1. **Each Bid Category** shall provide 07 84 13 Penetration Firestopping, 07 84 43 Joint Firestopping, and 07 92 00 Joint Sealants as required for any joints or penetrations they create.
2. **Interior Finishes Bid Category** shall provide Section 07 21 00 where required in interior walls they construct.
3. **General Trades Bid Category** shall provide floor protection as specified in Section 01 52 10 – Construction Aids and Temporary Enclosures (refer to section updates noted in this Addendum). **Each Bid Category** is responsible for protecting, replacing, re-securing, or modifying the floor protection as necessary to maintain its integrity, at the discretion of the Construction Manager.

C. **Bid Category No. 03 – MECHANICAL**

Add the following Clarifications:

1. **Each Bid Category** shall provide 07 84 13 Penetration Firestopping, 07 84 43 Joint Firestopping, and 07 92 00 Joint Sealants as required for any joints or penetrations they create.
2. **Mechanical Bid Category** shall provide Section 08 91 19 Fixed Louvers.
3. **Electrical Bid Category** to provide Heat Trace where indicated.
4. **General Trades Bid Category** shall provide floor protection as specified in Section 01 52 10 – Construction Aids and Temporary Enclosures (refer to section updates noted in this Addendum). **Each Bid Category** is responsible for protecting, replacing, re-securing, or modifying the floor protection as necessary to maintain its integrity, at the discretion of the Construction Manager.

D. **Bid Category No. 04 – ELECTRICAL**

Add the following Clarifications:

1. **Each Bid Category** shall provide 07 84 13 Penetration Firestopping, 07 84 43 Joint Firestopping, and 07 92 00 Joint Sealants as required for any joints or penetrations they create.
2. **Electrical Bid Category** shall provide Heat Trace where indicated.
3. **General Trades Bid Category** shall provide floor protection as specified in Section 01 52 10 – Construction Aids and Temporary Enclosures (refer to section updates noted in this Addendum). **Each Bid Category** is responsible for protecting, replacing, re-securing, or modifying the floor protection as necessary to maintain its integrity, at the discretion of the Construction Manager.

E. **Bid Category No. 05 – ROOFING**

Add the following Clarifications:

1. **Each Bid Category** shall provide 07 84 13 Penetration Firestopping, 07 84 43 Joint Firestopping, and 07 92 00 Joint Sealants as required for any joints or penetrations they create.
2. **Roofing Bid Category** shall provide Section 06 1000 "Rough Carpentry" for wood nailers, curbs, and blocking, and for wood-based, structural-use roof deck panels.

B. SPECIFICATION SECTION 01 32 00 – SCHEDULES AND REPORTS

a. **1.03 GUIDELINE SCHEDULE**

Add:

1. Site Logistics Plan attached.

C. SPECIFICATION SECTION 01 52 10 - CONSTRUCTION AIDS AND TEMPORARY ENCLOSURES

1. Replace Section with attached.

D. SPECIFICATION SECTION 01 53 10 – FENCES

1. Replace Section with attached.

E. <u>Refer to the attached Request For Information summary, Pre-Bid RFI No. 01 through 25 are included.</u>

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ADDENDUM NO. 3

DATE OF ISSUANCE:	**December 9, 2025**
PROJECT:	**Loy Norrix High School Mechanical Improvement D Wing** **606 East Kilgore Road** **Kalamazoo, MI 49001**
OWNER:	**Kalamazoo Public Schools**
ARCHITECT'S PROJECT NO.:	**23-637.00**
ORIGINAL BID ISSUE DATE:	**October 31, 2025**

SCOPE OF WORK

This Addendum includes changes to, or clarifications of, the original Bidding Documents and any previously issued addenda, and shall be included in the Bid. All of these Addendum items form a part of the Contract Documents. The Bidder shall acknowledge receipt of this Addendum in the appropriate space provided on the Bid Form. Failure to do so may result in disqualification of the Bid.

DOCUMENTS INCLUDED IN THIS ADDENDUM

This Addendum includes **2** pages of text and the following documents:

- Bidding Documents: **n/a**
- Contract Conditions: **n/a**
- Specification Sections: **n/a**
- Drawings: **AD 101D1, A 100D1, A 101D1, A 301, M 150D1, M 201D1, E150D1, E407, E501, TD 100D1, TD 101D1, TD 101D2, T 100D1, T 101D1, T 101D2**

CHANGES TO PREVIOUSLY ISSUED ADDENDA

None.

CHANGES TO SPECIFICATIONS

None

CHANGES TO DRAWINGS

ADD-3 Item No. D-1 - Coordinated the Removed Infill Panel and Louver Quantities

Refer to Sheet[s]: A 301

Updated exterior elevations to reflect the correct number of infill panels and louvers to be installed to match the exterior demo sheets.

ADD-3 Item No. D-2 - Clarified Ceiling Wood Trim Demo Locations

Refer to Sheet(s): AD 101D1

Updated and clarified locations where wood trim pieces at ceiling need to be removed and salvaged.

ADD-3 Item No. D-3 - Updated Louver Details

Refer to Sheet(s): A 100D1

Clarified verbiage to specify material assembly for louver blank off panel.

ADD-3 Item No. D-4 - Updated Pipe Locations

Refer to Sheet(s): A 101D1, M 150D1, M 201D1

Relocated piping in Classrooms D-11 and D-13, refer to drawings above for new locations.

ADD-3 Item No. D-5 - Added Horizontal Pipe Chase

Refer to Sheet(s): A 101D1, M 201D1

Added a clear anodized aluminum chase to run inside casework to enclose mechanical piping.

ADD-3 Item No. D-6 - Added Heat Trade Circuit

Refer to Sheet(s): E150D1 and E501

Added circuit for heat trade to RTU-D1. Revised panelboard schedule D1A with new circuit.

ADD-3 Item No. D-7 - Revised Light Fixture Part Numbers

Refer to Sheet(s): E407

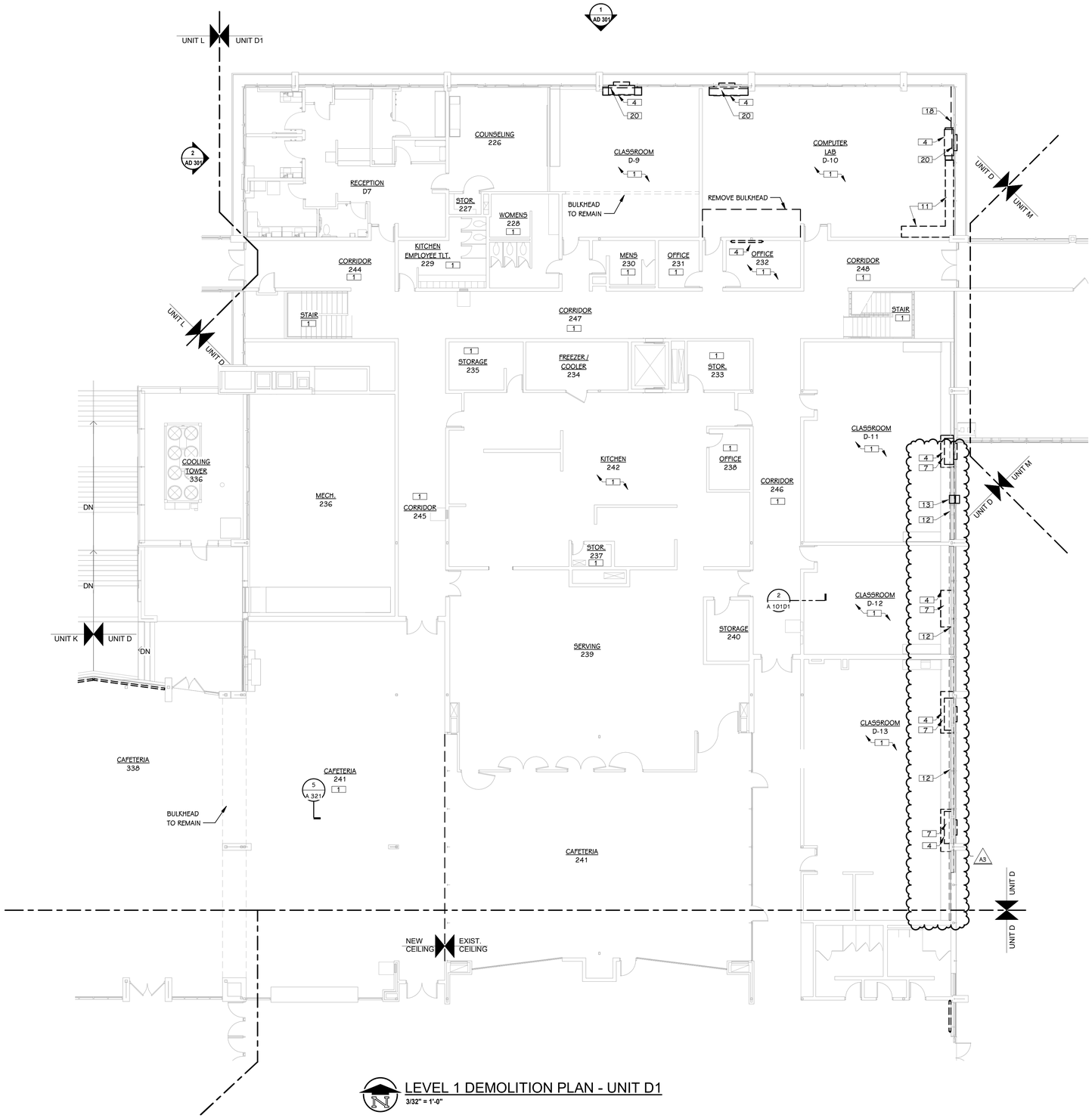
Removed references to DALI lighting in the light fixture schedule. All fixtures shall be 0-10V dimming.

ADD-3 Item No. D-8 - Equipment Storage Location Changed

Refer to Sheet(s): TD 100D1, TD 101D1, TD 101D2, T 100D1, T 101D1, T 101D2

Updated the AV equipment storage location to Loy Norrix High School for the Technology Contractor. All technology “T” sheets are for reference only. Refer to updated keyed notes.

END OF ADDENDUM.



LEVEL 1 DEMOLITION PLAN - UNIT D1

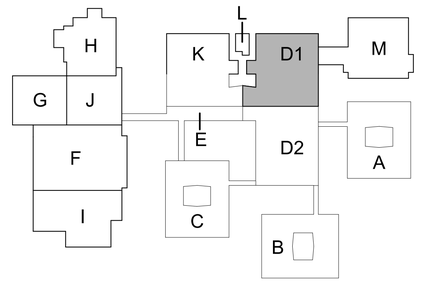
3/32" = 1'-0"

KEYED NOTES - DEMOLITION

1. REMOVE CEILING TILE AND GRID, COORD. WITH NEW CONSTRUCTION.
2. REMOVE HARD LID CEILING AND SUPPORT STRUCTURE AND PREP FOR NEW. COORDINATE EXTEND WITH MECHANICAL DRAWINGS.
3. REMOVE CABINET HEATER - REFER TO MECH. DRAWINGS. PREP WALL FOR NEW FINISH.
4. REMOVE MECH. EQUIPMENT, REFER TO MECH. DRAWINGS
5. REMOVE LOUVER - REFER TO AND COORDINATE WITH MECH. DRAWINGS.
6. REMOVE UNIT VENTILATOR FRONT SCREEN AND COUNTERTOP - SEE MECH. DRAWINGS.
7. REMOVE SECTION OF COUNTERTOP AND FRONT PANEL OVER MECH. UNIT, REFER TO PHOTO 5.
8. REMOVE AND SALVAGE PIPE RAIL SYSTEM FOR REINSTALLATION. STORE AND PROTECT DURING CONSTRUCTION.
9. REMOVE CASEWORK AND PREP FOR NEW.
10. REMOVE GLASS PANEL OUT OF EXISTING STOREFRONT WINDOW FRAME, RETURN TO OWNER, AND COORD. W/ NEW CONSTRUCTION - REFER TO EXTERIOR DEMO. ELEVATIONS
11. REMOVE AND SALVAGE ALUM. CHASE ALONGSIDE STOREFRONT FOR REINSTALLATION.
12. REMOVE WOOD TRIM PIECE AT CEILING ALONG EXTERIOR WINDOW WALLS AND SALVAGE FOR REUSE. STRIP AND PREP TRIM FOR NEW PRIME AND PAINT.
13. REMOVE WINDOW AC UNIT AND RETURN TO KPS. REMOVE TEMPORARY PANEL AROUND AC UNIT.
14. REMOVE CASEWORK AND COUNTERTOP.
15. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL DEMO SCOPE, PREP OPENING FOR NEW CONSTRUCTION.
16. --NOT IN USE--
17. REMOVE AND SALVAGE CASEWORK FOR REINSTALLATION.
18. REMOVE AND SALVAGE SOLID SURFACE TRIM FOR REINSTALLATION.
19. REMOVE SECTION OF CMU WALL, FULL HEIGHT. COORD. WITH NEW CONSTRUCTION.
20. REMOVE SOLID SURFACE TRIM.

PHOTO 5 (TYPICAL FOR CLASSROOM D-11, D-12, D-13

LOY NORRIX



KEY PLAN

SCALE: NO SCALE

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ADDENDUM NO. 3	December 9, 2025
ADDENDUM NO. 2	November 25, 2025

ISSUED FOR DATE

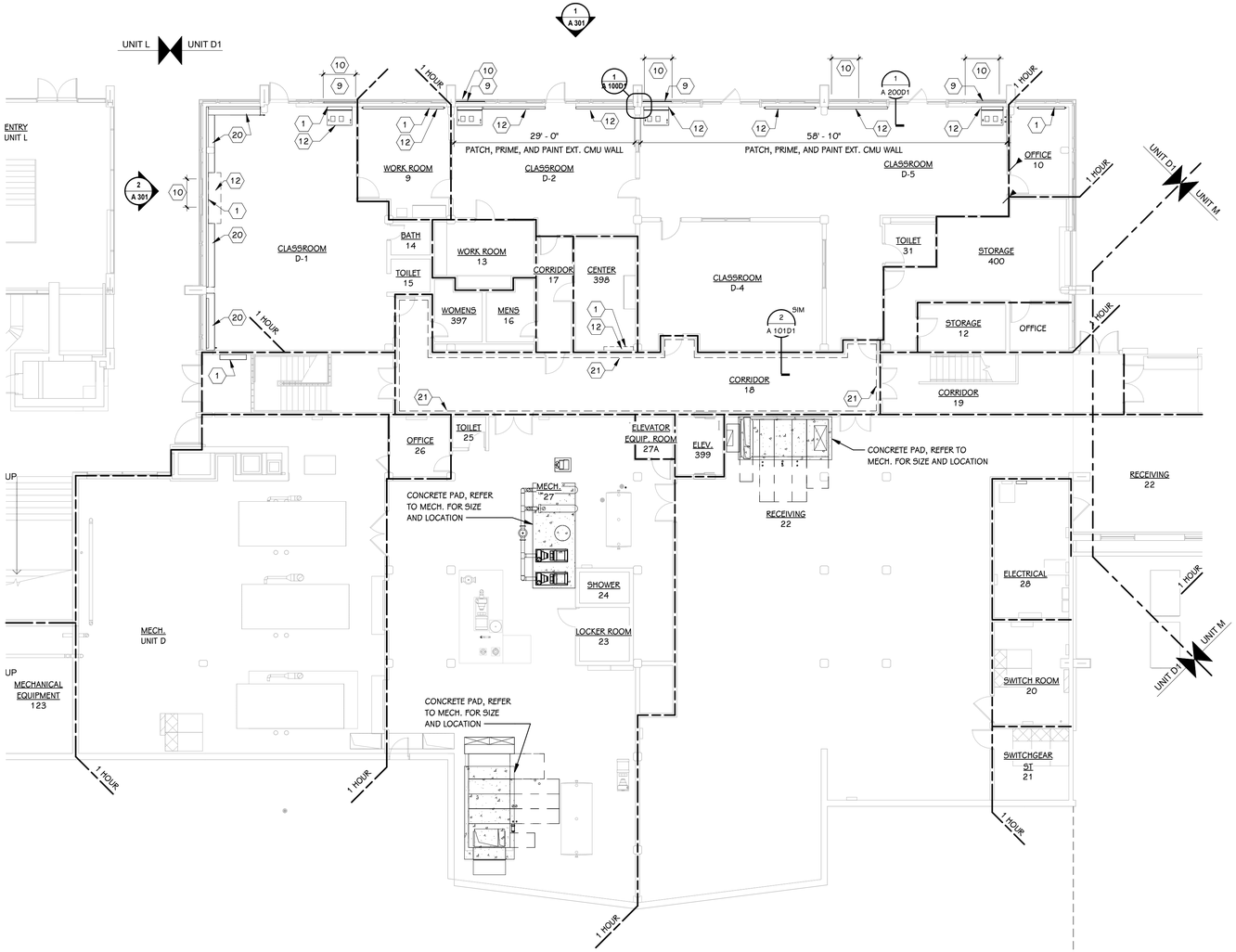
PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
LEVEL 1 DEMOLITION PLAN - UNIT D1

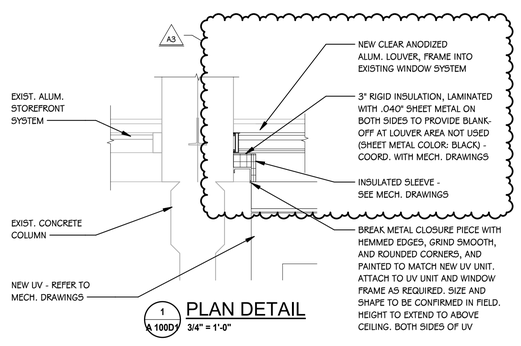
DATE
OCTOBER 31, 2025

SHEET NUMBER
AD 101D1
23-637.00



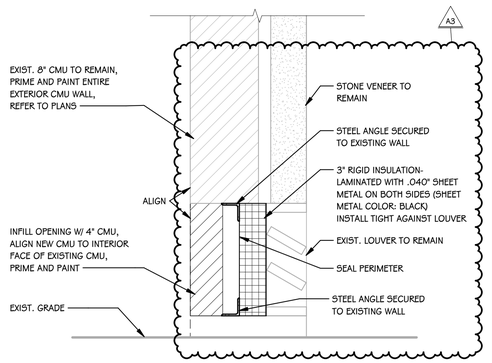
LOWER LEVEL FLOOR PLAN - UNIT D1

3/32" = 1'-0"



1 A 100D1 — PLAN DETAIL

3/4" = 1'-0"



2 A 100D1 — LOUVER INFILL DETAIL

1 1/2" = 1'-0"

KEYED NOTES - NEW CONSTRUCTION

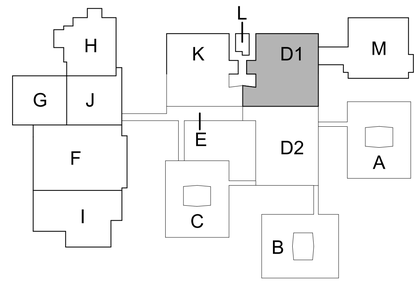
1 PATCH, PRIME AND PAINT WALL AT REMOVED MECH. EQUIPMENT TO MATCH EXISTING COORDINATE WITH NEW EQUIPMENT.
2 NEW 2X2 ACP CEILING SYSTEM, INSTALL AT EXISTING CEILING HEIGHT.
3 PATCH PRIME AND PAINT WALL AT REMOVED MECH. EQUIPMENT AND REMOVED CASEWORK. PAINT TO MATCH EXISTING.
4 PROVIDE A CLEAR ANODIZED ALUM. CHASE UP ALONG THE SIDE WALL FULL HEIGHT ABOVE CEILING. SIZE TO BE MINIMUM REQUIRED FOR MECHANICAL PIPES. COORD. WITH MECH.
5 INSTALL SALVAGED ALUM. CHASE ASSEMBLY UP ALONG THE WALL. INSTALL IN EXISTING LOCATION.
6 NEW EXHAUST THROUGH ROOF (SEE MECH. DRAWINGS). PATCH ROOF AND PROVIDE STEEL FRAMING AROUND NEW ROOF OPENING. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
7 AT EACH SIDE OF NEW HORIZ. UV PROVIDE A PRIME AND PAINTED METAL FILLER PANEL (TOP AND FRONT) TO MATCH AND TIE INTO UV. SECURE TO UV AND ADJOINING CASEWORK (BY MECHANICAL). PROVIDE P-LAM. END PANEL AT NEWLY EXPOSED CASEWORK END (MATCH EXISTING)
8 PRIME AND PAINT ALL EXPOSED STEEL ROOF STRUCTURE, TO MATCH EXIST.
9 AT REMOVED GLASS PANEL PROVIDE NEW CLEAR ANODIZED LOUVER INSERT, PROVIDE INSULATED METAL BLANK OFF PANEL AT ANY UNUSED LOUVER AREAS - SEE MECH. DWG'S
10 IN EXISTING LOUVER OPENING INSTALL 3" INSULATED METAL PANEL (BLACK) TIGHT AGAINST LOUVER AND TIGHT IN OPENING. SECURE IN PLACE AND CAULK ALL SIDES. AT INSIDE FLUSH WITH INTERIOR FACE OF EXISTING CMU WALL ADD 4" CMU INFILL TOOTH IN ALL SIDES.
11 INSTALL SALVAGED WOOD TRIM PRIME AND PAINT TO MATCH EXISTING. SEE DETAILS.
12 PATCH FLOORING TO MATCH SURRONDING, REFER TO INTERIORS.
13 BREAK METAL CLOSURE PIECE WITH HEMMED EDGES, GROUND SMOOTH, AND ROUNDED CORNERS, AND PAINTED TO MATCH NEW UV UNIT. ATTACH TO UV UNIT AND WINDOW FRAME AS REQUIRED. SIZE AND SHAPE TO BE CONFIRMED IN FIELD. HEIGHT TO BE FULL HEIGHT OF EXPOSED PORTION OF BLANK OFF PANEL.
14 EXISTING MECHANICAL ROOF EQUIPMENT TO REMAIN - SEE MECHANIICAL DRAWINGS.
15 NEW MECHANICAL ROOF EQUIPMENT ON EXISTING ROOF CURB FLASH WEATHER TIGHT - SEE MECHANICAL DRAWINGS.
16 NEW MECHANICAL CONDENSING UNITS SET ON ROOF. WITH NEW PIPE PENETRATIONS THROUGH ROOF FLASHED WEATHER TIGHT - SEE MECHANICAL DRAWINGS. DEMO EXISTING ROOF AS REQUIRED.
17 NEW SUSPENDED PLASTER CEILING AT EXISTING HEIGHT. PRIME AND PAINT TO MATCH EXISTING.
18 AT REMOVED DIFFUSER OPENING, PROVIDE METAL STUD FRAMING, GYPSUM BOARD AND PRIME AND PAINT TO MATCH EXISTING. PRIME AND PAINT ENTIRE WALL TO ABOVE CEILING TO MATCH EXISTING.
19 NEW EXHAUST FAN / RELIEF HOOD ON EXISTING ROOF CURB FLASH WEATHER TIGHT
20 REINSTALL SALVAGED CASEWORK FOLLOWING PIN TUBE INSTALLATION.
21 AT TOP OF CORRIDOR WALL ADD 1 HOUR SHAFT WALL CONSTRUCTION TO MAKE EXISTING CMU CORRIDOR WALL 1 HOUR RATED TO DECK ABOVE AND FIRE CAULK. TYPICAL FOR ALL CORRIDOR WALLS AS INDICATED IN PLAN. FIRE CAULK ALL PIPES, ROOF BEAMS, STEEL BRIDGING, AND ANY OTHER PENETRATIONS EXISTING AND NEW.
22 PATCH & REPAIR WALL AT AREA OF DEMOLITION. INFILL OPENING TO MATCH ADJACENT. MEET RATING REQUIREMENTS AS INDICATED ON PLANS. TOOTH-IN MASONRY AS REQUIRED.
23 SAW CUT SALVAGED SOLID SURFACE TRIM AS REQUIRED TO ALLOW FOR TRIM TO ALIGN UP TO NEW MECH. UNIT. PROVIDE A CLEAN AND SMOOTH EDGE CUT AND SEAL ALL JOINTS.
24 AT BOTTOM OF CONCRETE BEAM ADD 1 HOUR SHAFT WALL CONSTRUCTION TO MAKE EXISTING EXTERIOR WALL CONDITION 1 HOUR RATED TO DECK ABOVE AND FIRE CAULK. TYPICAL FOR ALL EXTERIOR WALLS AS INDICATED IN PLAN. FIRE CAULK ALL PIPES AND ANY OTHER PENETRATIONS EXISTING AND NEW.
25 PROVIDE A CLEAR ANODIZED ALUM. CHASE BELOW COUNTERTOP. SIZE TO BE MINIMUM REQUIRED FOR MECHANICAL PIPES. COORD. WITH MECH.

PHOTO 8: TYPICAL FOR CLASSROOM D-2 & D-5

CLEAN AND SEAL AS REQUIRED EDGE OF SOLID SURFACE TO NEW MECH. EQUIPMENT.

PATCH, PRIME AND PAINT ENTIRE CMU EXTERIOR WALL PRIOR TO MECH. INSTALLATION, TYP. REFER TO FLOOR PLAN FOR FULL PAINT SCOPE.

LOY NORRIX HIGH SCHOOL



KEY PLAN

SCALE: NO SCALE

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ADDENDUM NO. 3	December 9, 2025
ADDENDUM NO. 2	November 25, 2025

ISSUED FOR — DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS

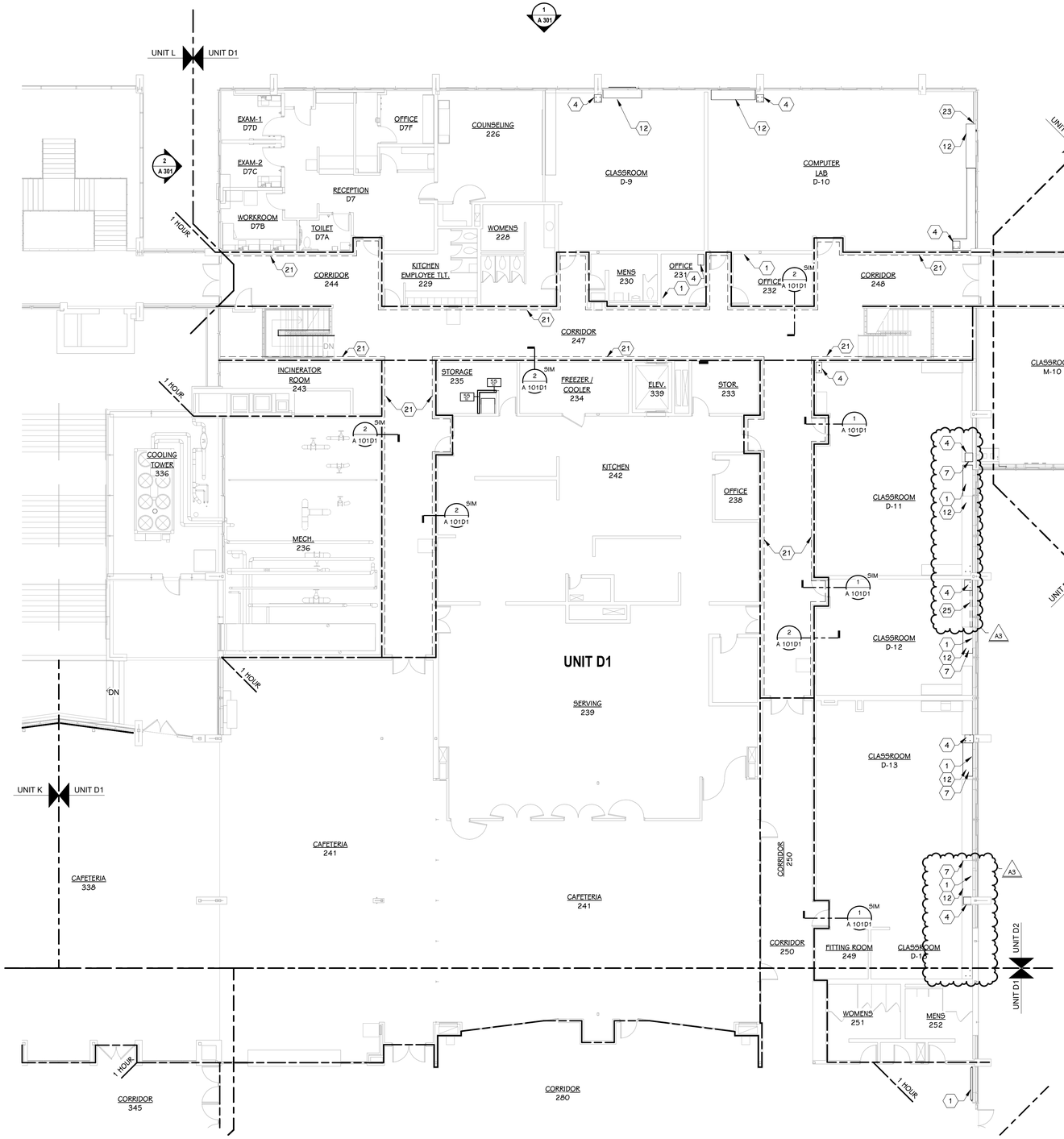
Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL FLOOR PLAN - UNIT D1

DATE
OCTOBER 31, 2025

SHEET NUMBER
A 100D1

23-637.00



LEVEL 1 PLAN - UNIT D1
3/32" = 1'-0"

KEYED NOTES - NEW CONSTRUCTION

1 PATCH, PRIME AND PAINT WALL AT REMOVED MECH. EQUIPMENT TO MATCH EXISTING COORDINATE WITH NEW EQUIPMENT.
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6 NEW EXHAUST THROUGH ROOF (SEE MECH. DRAWINGS). PATCH ROOF AND PROVIDE STEEL FRAMING AROUND NEW ROOF OPENING. SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
7 AT EACH SIDE OF NEW HORIZ. UV PROVIDE A PRIME AND PAINTED METAL FILLER PANEL (TOP AND FRONT) TO MATCH AND TIE INTO UV. SECURE TO UV AND ADJOINING CASEWORK (BY MECHANICAL). PROVIDE P-LAM. END PANEL AT NEWLY EXPOSED CASEWORK END (MATCH EXISTING)
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11 INSTALL SALVAGED WOOD TRIM PRIME AND PAINT TO MATCH EXISTING. SEE DETAILS.
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17 NEW SUSPENDED PLASTER CEILING AT EXISTING HEIGHT. PRIME AND PAINT TO MATCH EXISTING.
18 AT REMOVED DIFFUSER OPENING, PROVIDE METAL STUD FRAMING, GYPSUM BOARD AND PRIME AND PAINT TO MATCH EXISTING. PRIME AND PAINT ENTIRE WALL TO ABOVE CEILING TO MATCH EXISTING.
19 NEW EXHAUST FAN / RELIEF HOOD ON EXISTING ROOF CURB FLASH WEATHER TIGHT
20 REINSTALL SALVAGED CASEWORK FOLLOWING FIN TUBE INSTALLATION.
21 AT TOP OF CORRIDOR WALL ADD 1 HOUR SHAFT WALL CONSTRUCTION TO MAKE EXISTING CMU CORRIDOR WALL 1 HOUR RATED TO DECK ABOVE AND FIRE CAULK. TYPICAL FOR ALL CORRIDOR WALLS AS INDICATED IN PLAN. FIRE CAULK ALL PIPES, ROOF BEAMS, STEEL BRIDGING, AND ANY OTHER PENETRATIONS EXISTING AND NEW.
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23 SAW CUT SALVAGED SOLID SURFACE TRIM AS REQUIRED TO ALLOW FOR TRIM TO ALIGN UP TO NEW MECH. UNIT. PROVIDE A CLEAN AND SMOOTH EDGE CUT AND SEAL ALL JOINTS.
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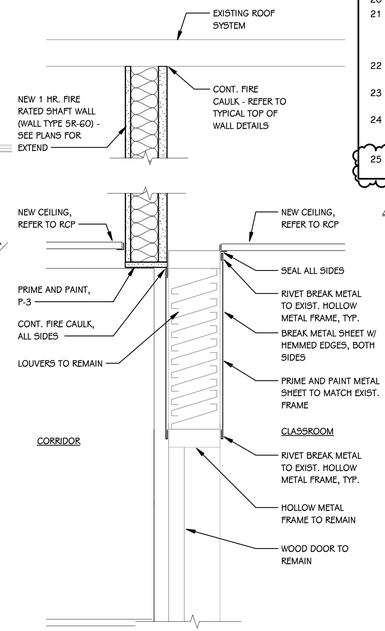
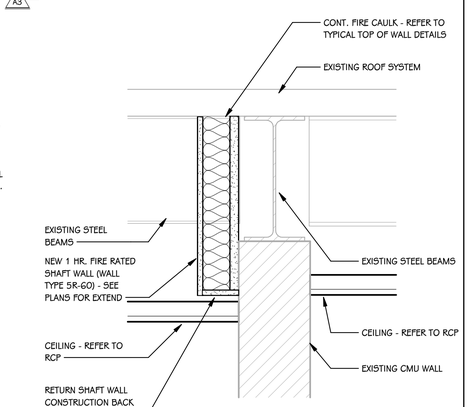
25 PROVIDE A CLEAR ANODIZED ALUM. CHASE BELOW COUNTERTOP. SIZE TO BE MINIMUM REQUIRED FOR MECHANICAL PIPES. COORD. WITH MECH.



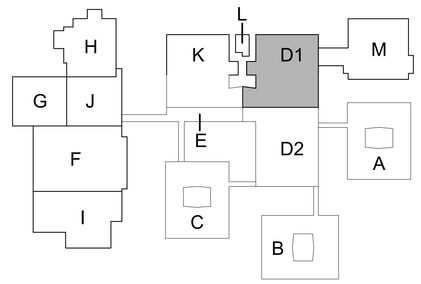
1 A 101D1 WALL DETAIL @ DOOR TRANSOM
1 1/2" = 1'-0"



2 A 101D1 CORRIDOR WALL DETAIL
1 1/2" = 1'-0"

PHOTO 9 (TYPICAL FOR CLASSROOM D-11, D-12, D-13

LOY NORRIX



KEY PLAN
SCALE: NO SCALE

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ADDENDUM NO. 3	December 9, 2025
ADDENDUM NO. 2	November 25, 2025
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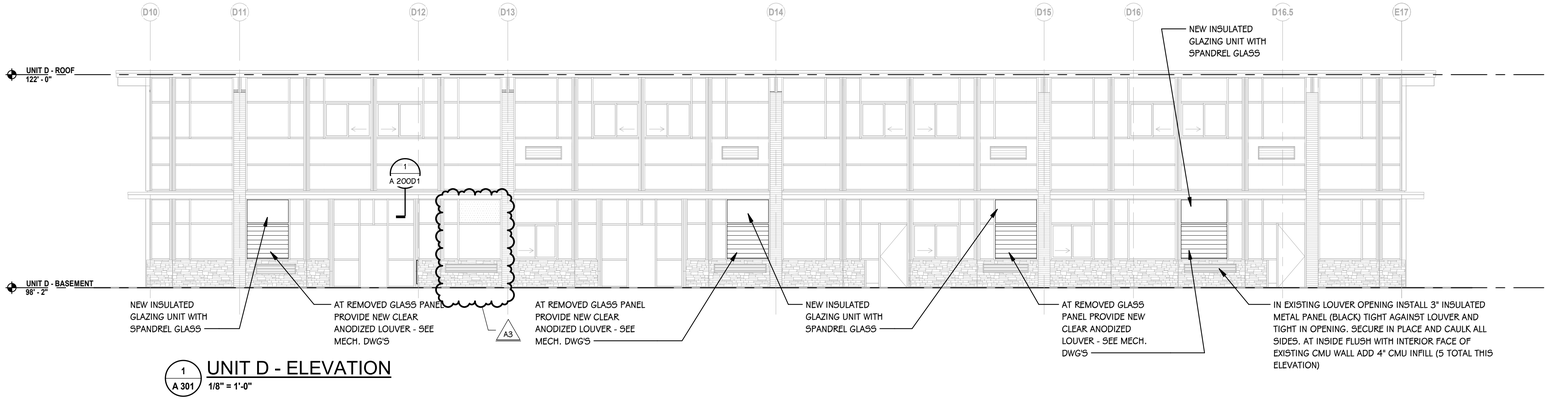
PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
LEVEL 1 FLOOR PLAN - UNIT D1

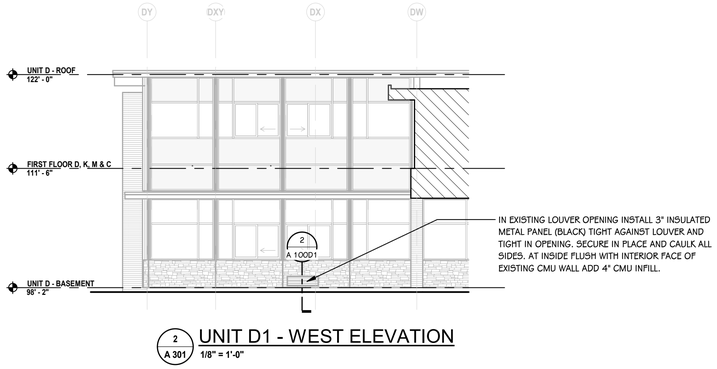
DATE
OCTOBER 31, 2025

SHEET NUMBER
A 101D1
23-637.00



1 A 301 UNIT D - ELEVATION

1/8" = 1'-0"



2 A 301 UNIT D1 - WEST ELEVATION

1/8" = 1'-0"

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LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS

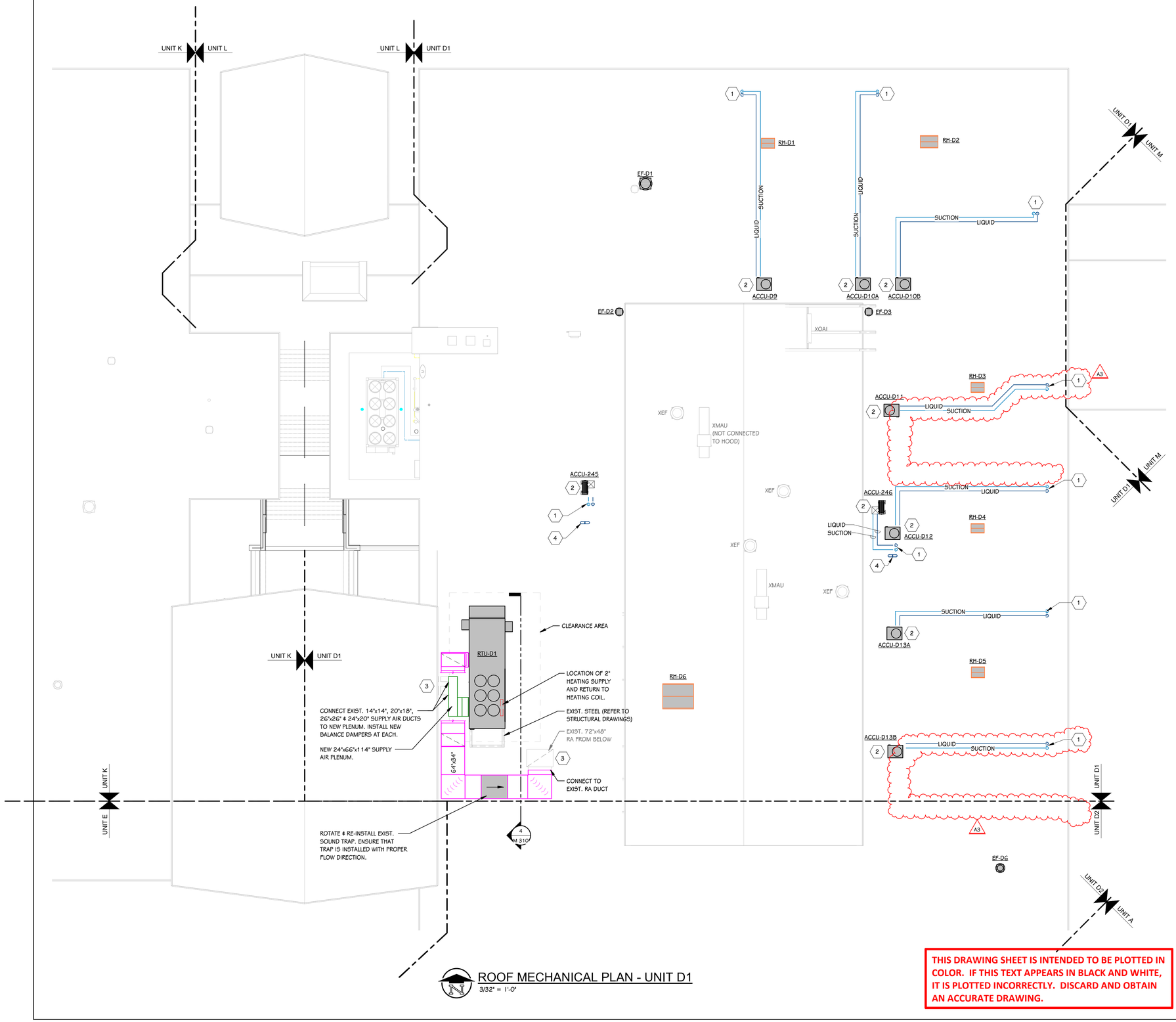
Kalamazoo, Michigan

SHEET TITLE
EXTERIOR ELEVATIONS

DATE
OCTOBER 31, 2025

SHEET NUMBER
A 301

23-637.00



ROOF MECHANICAL PLAN - UNIT D1

3/32" = 1'-0"

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING.

KEYED NOTES - SHEET METAL

1 REFRIGERANT PIPING FROM BELOW TO REFER TO PIPING PORTAL/CURB DETAIL ON SHEET M-504. REFRIGERANT PIPING SIZED PER MANUFACTURER'S RECOMMENDATIONS.

2 INSTALL ACCU ON A POLYETHYLENE BASE. ANCHOR UNITS TO BASE WITH REMOVABLE CADMIUM-PLATED FASTENERS.

3 CLEAN EXISTING SUPPLY AND RETURN DUCTWORK IN THIS AREA. PROVIDE PHOTO DOCUMENTATION.

4 6"Ø OAI DUCT THROUGH ROOF. TERMINATE WITH GOOSENECK AND BIRDSCREEN. INSTALL MOTORIZED 2-POSITION CONTROL DAMPER.

5 CLEAN EXISTING OUTSIDE AIR INTAKE DUCTWORK, LOUVER AND SCREEN.

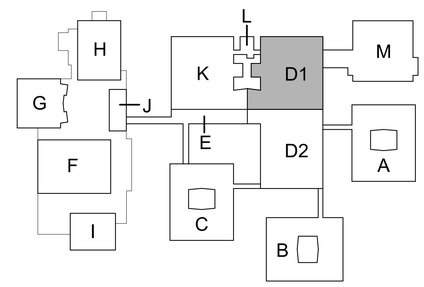
6 MODIFY EXISTING DUCTWORK AS REQUIRED TO CONNECT TO NEW GRILLE OR DIFFUSER.

16 EXISTING 1-1/4" CWS/R UP TO UNIT VENTILATOR ABOVE.

GENERAL STRUCTURAL NOTES: (SEE STRUCTURAL DRAWINGS)

1. DO NOT CUT REINFORCING STEEL DURING CONCRETE DRILLING OR CORING OPERATIONS. LOCATE REINFORCING WITH A PACHOMETER OR OTHER NON-DESTRUCTIVE TESTING DEVICE PRIOR TO DRILLING OR CORING OPERATIONS, TYPICAL AT ALL OPENINGS, NOT SHOWN. ADDITIONALLY, DO NOT DRILL OR CORE THROUGH CONCRETE BEAMS.
2. ALL NEW 4" PIPES HANGING FROM EXISTING CONCRETE BEAMS AND SLABS TO SUPPORT A MAXIMUM OF 12 LINEAR FEET OF PIPE.
3. ALL NEW 6" PIPES HANGING FROM EXISTING CONCRETE BEAMS AND SLABS TO SUPPORT A MAXIMUM OF 7 LINEAR FEET OF PIPE.

LEVEL 1 - KEY PLAN



KEY PLAN

SCALE: NO SCALE

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ADDENDUM #3 12-09-2025

ISSUED FOR DATE

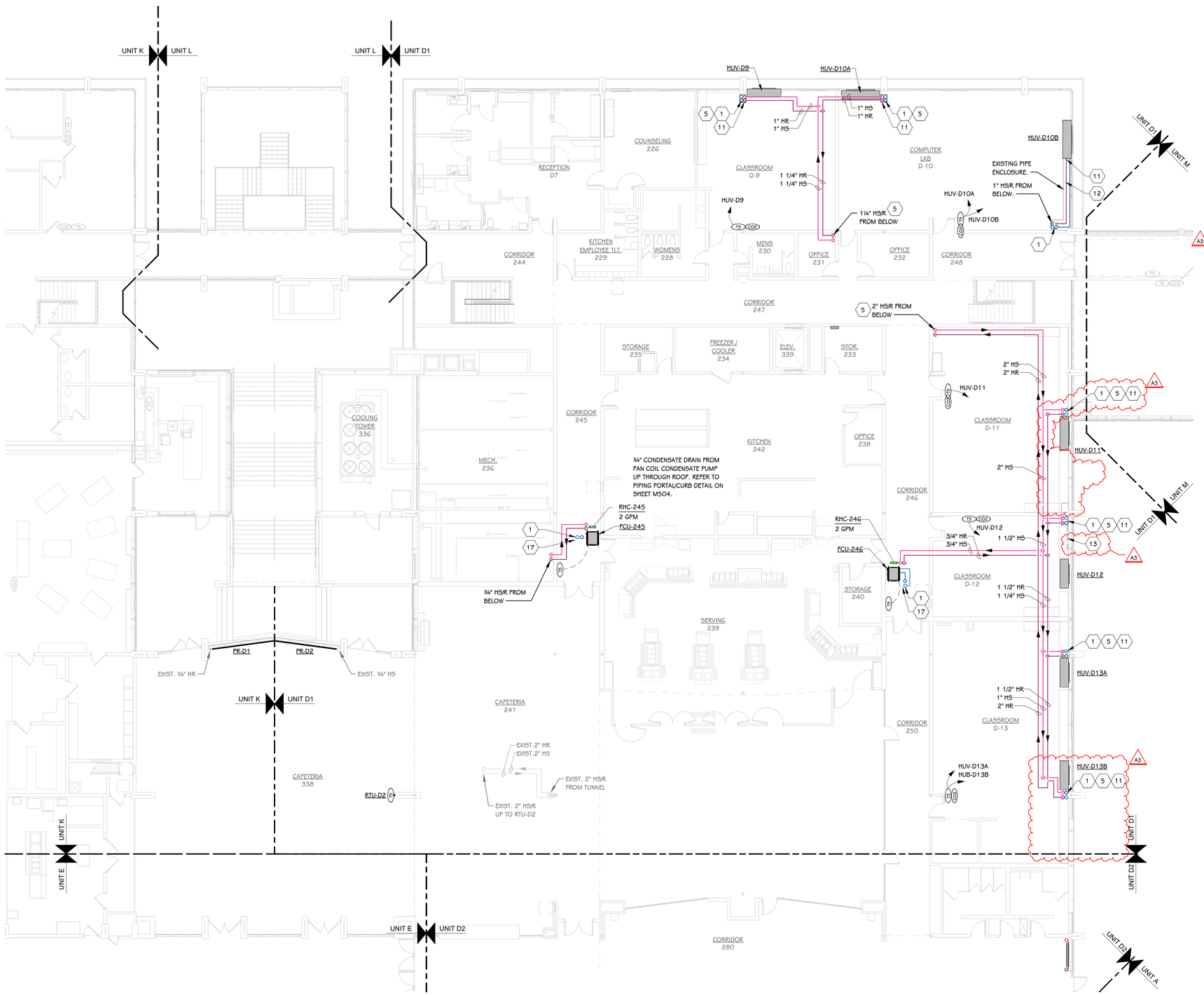
PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
ROOF MECHANICAL PLAN - UNIT D1

DATE
OCTOBER 31, 2025

SHEET NUMBER
M 150D1
23-637.00



FIRST FLOOR HVAC PIPING PLAN - UNIT D1

3/32" = 1'-0"

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING.

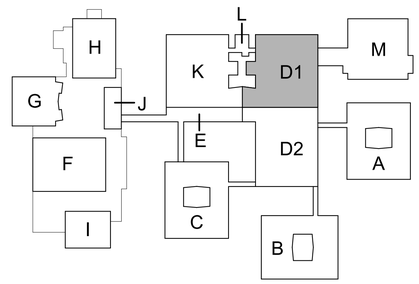
KEYED NOTES - HVAC PIPING

1. REFRIGERANT PIPING UP TO ACCU ON ROOF. REFRIGERANT PIPING TO BE SIZED PER MANUFACTURER'S RECOMMENDATIONS.
2. 3/4" HEATING SUPPLY UP TO FIN TUBE RADIATION ABOVE.
3. 3/4" HEATING RETURN DOWN FROM FIN TUBE RADIATION ABOVE.
4. MODIFY EXISTING PIPING AS REQUIRED TO INSTALL NEW PUMP.
5. COVER EXPOSED PIPING WITH METAL PIPE ENCLOSURE.
6. ¾" HEATING SUPPLY AND RETURN DOWN TO FIN TUBE.
7. REWORK EXISTING CHILLED WATER PIPING FROM TUNNEL AS REQUIRED TO CONNECT NEW UNIT VENTILATOR.
8. 1" HEATING SUPPLY AND RETURN DOWN TO CABINET HEATER.
9. 1" HEATING SUPPLY DN TO FIN TUBE.
10. 1" HEATING RETURN FROM FIN TUBE.
11. 1" HEATING SUPPLY AND RETURN TO UNIT VENTILATOR.
12. ROUTE HEATING SUPPLY & RETURN AND REFRIGERANT PIPING THRU EXISTING PIPE ENCLOSURE. REMOVE AND REINSTALL PIPE ENCLOSURE AS REQUIRED TO INSTALL PIPING.
13. ROUTE PIPING THROUGH CASEWORK TO UNIT VENTILATOR. COVER EXPOSED PIPING IN CASEWORK WITH METAL PIPE ENCLOSURE.
14. EXTEND FIN TUBE COVER TO CONCEAL PIPING.
15. 1" HS/R UP TO UNIT VENTILATOR ABOVE ABOVE.
16. ¾" HS/R DOWN TO FIN TUBE. ROUTE ¾" HS/R TO EACH PIECE OF FIN. EACH PIECE OF FIN IS TO BE INDEPENDENTLY CONTROLLED WITH IT'S OWN CONTROL VALVE.
17. ¾" CONDENSATE DRAIN FROM FAN COIL CONDENSATE PUMP UP THROUGH ROOF. REFER TO PIPING PORTAL/CURB DETAIL ON SHEET M504.

GENERAL STRUCTURAL NOTES: (SEE STRUCTURAL DRAWINGS)

1. DO NOT CUT REINFORCING STEEL DURING CONCRETE DRILLING OR CORING OPERATIONS. LOCATE REINFORCING WITH A PACHOMETER OR OTHER NON-DESTRUCTIVE TESTING DEVICE PRIOR TO DRILLING OR CORING OPERATIONS, TYPICAL AT ALL OPENINGS, NOT SHOWN. ADDITIONALLY, DO NOT DRILL OR CORE THROUGH CONCRETE BEAMS.
2. ALL NEW 4" PIPES HANGING FROM EXISTING CONCRETE BEAMS AND SLABS TO SUPPORT A MAXIMUM OF 12 LINEAR FEET OF PIPE.
3. ALL NEW 6" PIPES HANGING FROM EXISTING CONCRETE BEAMS AND SLABS TO SUPPORT A MAXIMUM OF 7 LINEAR FEET OF PIPE.

LEVEL 1 - KEY PLAN



KEY PLAN
SCALE: NO SCALE

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ISSUED FOR	DATE
ADDENDUM #3	12-09-2025

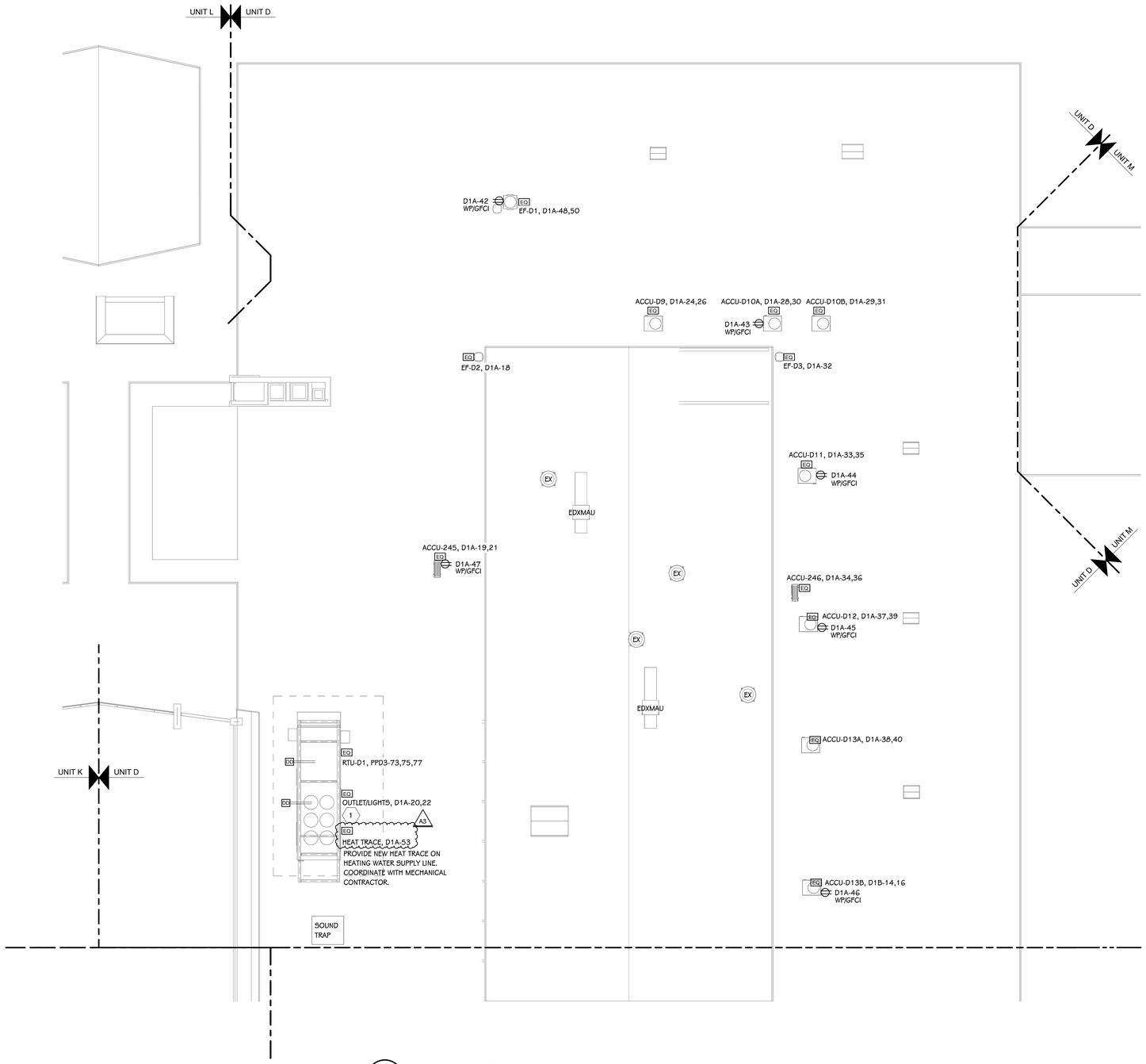
PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
FIRST FLOOR HVAC PIPING PLAN - UNIT D1

DATE
OCTOBER 31, 2025

SHEET NUMBER
M 201D1
23-637.00



ROOF ELECTRICAL PLAN - UNIT D1

3/32" = 1'-0"

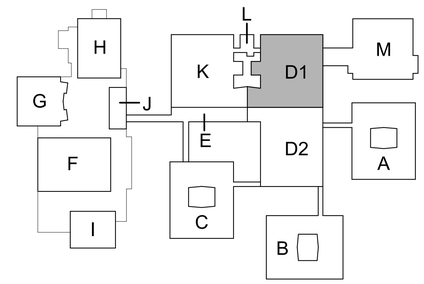
ELECTRICAL KEYED NOTES

1 INTERWIRE UNIT DISCONNECT, LIGHTING, SWITCHING, AND GENERAL RECEPTACLE CIRCUITS. PROVIDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION. MOUNT TOP OF LIGHT SWITCHES AT MAX 48".

2 DISCONNECT ELECTRICAL CONNECTION FROM THE EXISTING CABINET OR UNIT HEATER, RETAIN CIRCUIT FOR REUSE. CONNECT NEW CABINET OR UNIT HEATER TO EXISTING CIRCUIT, EXTEND WIRING AND CONDUIT AS REQUIRED.

3 REINSTALL ANY UNDOCUMENTED DEVICES THAT WERE REMOVED DURING DEMOLITION. THESE DEVICES INCLUDE BUT ARE NOT LIMITED TO: PROJECTORS, PROJECTOR MOUNTS, AV SPEAKERS, WIRELESS ACCESS POINTS, AND CLOCKS. RETRIEVE DEVICES FROM KPS TECHNOLOGY SERVICES LOCATED AT: 600 W. VINE ST., KALAMAZOO, MI 49008.

LEVEL 1 - KEY PLAN



KEY PLAN

SCALE: NO SCALE

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ADDENDUM NO. 3 12-9-2025

ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
ELECTRICAL ROOF PLAN - UNIT D1

DATE
OCTOBER 31, 2025

SHEET NUMBER
E150D1
23-637.00

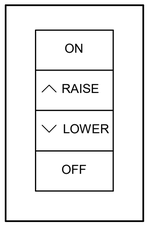
LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	DRIVER	MANUFACTURER	NOTES
CA	6" DOWNLIGHT	RECESSED	0-10V	GOTHAM #EVOG-40K-2000LM-AR-L55-UNV-MD-GZ10 EQUAL: ALPHABET #NUG-RD-SW-20LM-40K-80-35D-CL-MC-MC-NC-UNV-DIM10	1, 2, 3
DA	4' DRUM	RECESSED	0-10V	MARK LIGHTING #MGLR-48IN-TG-80CRI-40K-10500LM-MIN10-FLL-ZT	1, 2, 3
HA	1x4 WRAP	SURFACE	0-10V	KENALL #MLHA8-48-R-MW-PP-45L40K-120V-F5-PH EQUAL: FAILSAFE #ATO-HV5L8/B-4-LD4-1HI-40-UNV-O-EDC1-GL-ALH	1, 2, 3
HAE	1x4 WRAP	SURFACE	0-10V	KENALL #MLHA8-48-R-MW-PP-45L40K-120V-F5-PH-LEL EQUAL: FAILSAFE #ATO-HV5L8/B-4-LD4-1HI-40-UNV-O-EDC1-GL-EL10W-ALH	1, 2, 3
ID	INDUSTRIAL	SURFACE / CABLE	0-10V	LITHONIA #ZL1D-L96-5000LM-F5T-MVOLT-40K-80CRI-WH EQUAL: MLX #BT5NX-525L-5LW-UNV-L840-CD1-U (A5)	1, 2, 3
LA14*	PENDANT LINEAR	PENDANT	0-10V	FINELITE: #HP2-P-D-XX-B-840-F-96LG-277-SC-FC(0-10V)1%-FA50-FE-SW EQUAL: AXIS #TB2DLED-405-80-40-SO-S(14')-W-277-O(DALI 1%)-1-CA(50")	1, 2, 3
LB12*	PENDANT LINEAR	PENDANT	0-10V	FINELITE: #HP2-P-D-XX-B-840-F-96LG-277-SC-FC(0-10V)1%-FA50-FE-SW EQUAL: AXIS #TB2DLED-405-80-40-SO-S(12')-W-277-O(DALI 1%)-1-CA(50")	1, 2, 3
LC6*	PENDANT LINEAR	PENDANT	0-10V	FINELITE: #HP2-P-D-XX-B-840-F-96LG-277-SC-FC(0-10V)1%-FA50-FE-SW EQUAL: AXIS #TB2DLED-405-80-40-SO-S(6')-W-277-O(DALI 1%)-1-CA(50")	1, 2, 3
RB	2x2 TROFFER	RECESSED	0-10V	FINELITE #HPR-A-2X2-DCO-H-840-120V-SC-C1 EQUAL: CORELITE #22D3X-LP-WO-50-L840-UNV-STD-U	1, 2, 3
RD4*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-5F-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-D5	1, 2, 3
RD9*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-5F-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-D5	1, 2, 3
RG4*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-TB1	1, 2, 3
RG5*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-TB1	1, 2, 3
RG6*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-TB1	1, 2, 3
RG8*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-TB1	1, 2, 3
RG10*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-TB1	1, 2, 3
RG10*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-R-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS #BBRLED-479-80-40K-FL-5(XX')-W-DP-1-TB1	1, 2, 3
S8*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-SM-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS BEAM SURFACE LINEAR	1, 2, 3
S12*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-SM-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS BEAM SURFACE LINEAR	1, 2, 3
S14*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-SM-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS BEAM SURFACE LINEAR	1, 2, 3
S24*	RECESSED LINEAR	RECESSED	0-10V	FINELITE #HP-4-SM-D-XX'-B-840-F-96LG-120-SC-FC-10%-C1-FE-SW EQUAL: AXIS BEAM SURFACE LINEAR	1, 2, 3
TA	2x2 TROFFER	RECESSED	0-10V	FINELITE #HPR-A-2X2-DCO-B-840-120V-SC-C1 EQUAL: CORELITE #22D3X-LP-WO-45-L840-UNV-STD-U	1, 2, 3
U	LED WALL PACK	WALL	0-10V	LITHONIA: # CSXWLED-1-30B530K-SR3-277-SF-DNAXD EQUAL: MCGRAW #GWC-9A1A-740-4-T3-GM	1, 2, 3
X1	EXIT SIGN - SINGLE FACE	UNIVERSAL	N/A	LITHONIA #LQC-W-1-R EQUAL: SURELITE #CXG1WH	1, 2
X2	EXIT SIGN - DOUBLE FACE	UNIVERSAL	N/A	LITHONIA #LQC-W-2-R EQUAL: SURELITE #CXG2WH	1, 2

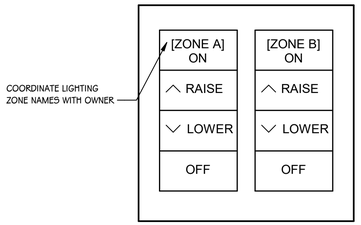
1 ALL LED FIXTURES TO HAVE WARRANTY TO MEET OR EXCEED WARRANTY INCLUDED IN BASIS OF DESIGN. FIXTURES LISTED AS EQUALS SHALL MEET DELIVERED LUMENS, CRI, EFFICACY AND OPTIONS OF THAT SPECIFIED. REFER TO SPECIFICATIONS 265100 AND 265600 FOR ADDITIONAL REQUIREMENTS.

2 THE MOUNTING DESCRIPTION IS GENERAL. REFER TO SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC MOUNTING DETAILS.

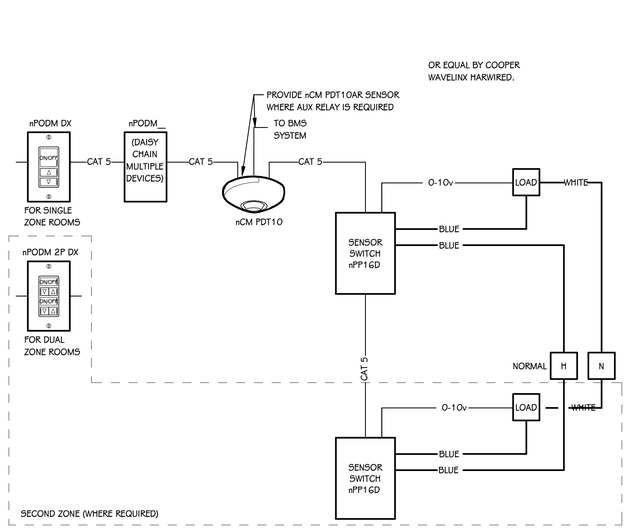
3 FIXTURES WITH THE CENTER CIRCLE SHADED SHALL BE CONNECTED TO EMERGENCY POWER. FIXTURES WITH CENTER CIRCLE SHADED THAT ARE SWITCHED SHALL BE PROVIDED WITH BODINE "ELD" TRANSFER DEVICE. FOR INDIVIDUAL FIXTURES DEVICE SHALL BE MOUNTED INTERNAL TO THE FIXTURE. PROVIDE LABEL ON INSIDE OF FIXTURE INDICATING FED FROM MULTIPLE CIRCUITS. WHERE DEVICE CANNOT BE MOUNTED INSIDE OF FIXTURE, MOUNT ADJACENT TO FIXTURE IN ACCESSIBLE CEILING SPACE.



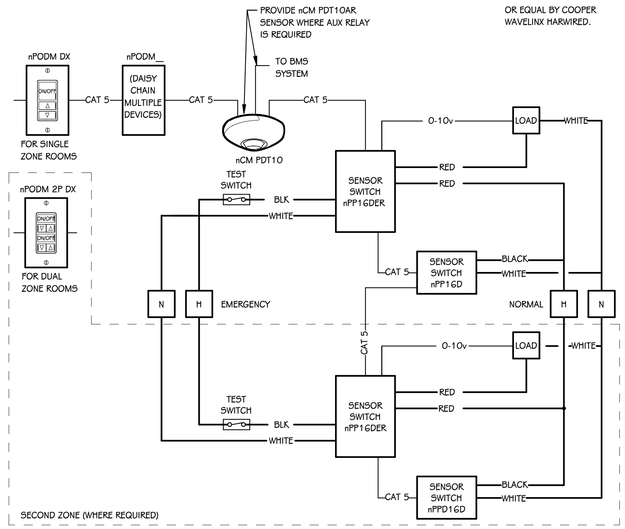
SINGLE ZONE
DIMMING CONTROLLER
SCALE: NONE



DUAL ZONE
DIMMING CONTROLLER
SCALE: NONE



OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE



EMERGENCY
OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE

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ISSUED FOR	DATE
ADDENDUM NO. 3	12-9-2025
ADDENDUM NO. 2	11-25-2025

PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

DATE
OCTOBER 31, 2025

SHEET TITLE
ELECTRICAL LIGHTING DETAILS

SHEET NUMBER
E 407
23-637.00

PANELBOARD " D0A" LOAD SCHEDULE

PANEL: D0A
LOCATION: ELECTRICAL 28 / GROUND FLOOR "M"
ADDED ACCESSORIES: SPD
MOUNTING: SURFACE
AMPS: 225 A MLO
FEED-THRU LUGS... No
VOLTAGE: 208/120V, 3PH, 4W
FED FROM: MDPD2
A.I.C. VALUE: 14734 A

	CIRCUIT DESCRIPTION	TRIP (A)	POLES	A	B	C	POLES	TRIP (A)	CIRCUIT DESCRIPTION	
1	HVAC - VUV-D1	20	3	552 552			3	20	HVAC - VUV-D2	2
3	--	--	--		552 552		--	--	--	4
5	--	--	--			552 552	--	--	--	6
7	HVAC - VUV-D3	20	3	552 552			3	20	HVAC - VUV-D5	8
9	--	--	--		552 552		--	--	--	10
11	--	--	--			552 552	--	--	--	12
13	HVAC - UH-D3	20	1	240 444			3	20	HVAC - P-D5	14
15	HVAC - AHU-D1	20	1		500 444		--	--	--	16
17	HVAC - AHU-D2	20	1			685 444	--	--	--	18
19	HVAC - P-D6	20	3	444 444			3	20	HVAC - P-D7	20
21	--	--	--		444 444		--	--	--	22
23	--	--	--			444 444	--	--	--	24
25	HVAC - P-D8	20	3	444 0			3	20	SPARE	26
27	--	--	--		444 0		--	--	--	28
29	--	--	--			444 0	--	--	--	30
31	HVAC - CR-D2	20	2	832 0			3	20	SPARE	32
33	--	--	--		832 0		--	--	--	34
35	SPARE	20	1			0 0	--	--	--	36
37	SPARE	20	1	0 --			1	--	SPACE	38
39	SPARE	20	1		0 --		1	--	SPACE	40
41	SPARE	20	1			0 --	1	--	SPACE	42
43	SPARE	20	1	0 --			1	--	SPACE	44
45	SPARE	20	1		0 --		1	--	SPACE	46
47	SPARE	20	1			0 --	1	--	SPACE	48
49	SPARE	20	1	0 --			1	--	SPACE	50
51	SPARE	20	1		0 --		1	--	SPACE	52
53	SPARE	20	1			0 --	1	--	SPACE	54
55	SPD	30	3	0 --			1	--	SPACE	56
57	--	--	--		0 --		1	--	SPACE	58
59	--	--	--			0 --	1	--	SPACE	60
	TOTAL LOAD:			5057 VA	5317 VA	4670 VA				
	ADDITIONAL FEED THRU LUGS LOAD (IF APPLICABLE):			0 VA	0 VA	0 A				
	TOTAL AMPS:			43 A	45 A	39 A				

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC -	15045 VA	100.00%	15045 VA		
				TOTAL CONNECTED LOAD:	15045 VA
				TOTAL ESTIMATED DEMAND:	15045 VA
				TOTAL CONNECTED LOAD (A):	42 A
				TOTAL ESTIMATED DEMAND...	42 A

NOTES:

PROVIDE SPD BREAKER PER ONELINE SCHEDULE.
AIC RATING IS CALCULATED VALUE, PROVIDE IC RATING AT LEAST 25% HIGHER AS PER SPECIFICATIONS.
RECEPTACLE DEMAND FACTOR = FIRST 10kVA X 100% + 50% OF REMAINDER

PANELBOARD " D1A" LOAD SCHEDULE

PANEL: D1A
LOCATION: STORAGE 233 / FIRST FLOOR - UNIT D...
ADDED ACCESSORIES: SPD
MOUNTING: SURFACE
AMPS: 225 A MLO
FEED-THRU LUGS... No
VOLTAGE: 208/120V, 3PH, 4W
FED FROM: MDPD2
A.I.C. VALUE: 9106 A

	CIRCUIT DESCRIPTION	TRIP (A)	POLES	A	B	C	POLES	TRIP (A)	CIRCUIT DESCRIPTION	
1	HVAC - HUV-D9	20	2	302 302			2	20	HVAC - HUV-D10A	2
3	--	--	--		302 302		--	--	--	4
5	HVAC - HUV-D10B	20	2			302 302	2	20	HVAC - HUV-D12	6
7	--	--	--	302 302			--	--	--	8
9	HVAC - FCU-246	20	1		552 302		2	20	HVAC - HUV-D11	10
11	HVAC - HUV-D13A	20	2			302 302	--	--	--	12
13	--	--	--	302 302			2	20	HVAC - HUV-D13B	14
15	HVAC - FCU-245	20	1		552 302		--	--	--	16
17						480 1	20	HVAC - EF-D2		18
19	HVAC - ACCU-245	45	2	2080 416			2	20	HVAC - OUTLET/LIGHTS	20
21	--	--	--		2080 416		--	--	--	22
23	SPARE	20	1			0 1914	2	30	HVAC - ACCU-D9	24
25	SPARE	20	1	0 1914			--	--	--	26
27	SPARE	20	1		0 3120		2	50	HVAC - ACCU-D10A	28
29	HVAC - ACCU-D10B	50	2			3120 3120	--	--	--	30
31	--	--	--	3120 480			1	20	HVAC - EF-D3	32
33	HVAC - ACCU-D11	30	2		1919 2080		2	30	HVAC - ACCU-246	34
35	--	--	--			1919 2080	--	--	--	36
37	HVAC - ACCU-D12	20	2	1540 1540			2	20	HVAC - ACCU-D13A	38
39	--	--	--		1540 1540		--	--	--	40
41	POWER - CORRIDOR 244	20	1			180 180	1	20	RECEPTACLE -	42
43	RECEPTACLE -	20	1	180 180			1	20	RECEPTACLE -	44
45	RECEPTACLE -	20	1		180 180		1	20	RECEPTACLE -	46
47	RECEPTACLE -	20	1			180 240	2	20	HVAC - EF-D1	48
49	SPARE	20	1	0 240			--	--	--	50
51	SPARE	20	1		0 0		1	20	SPARE	52
53	HVAC - RTU-D1 HEAT TRACE	20	1			832 0	1	20	SPARE	54
55	SPARE	30	3	0 0			1	20	SPARE	56
57	--	--	--		0 0		1	20	SPARE	58
59	--	--	--			0 0	1	20	SPARE	60
	TOTAL LOAD:			13501 VA	15366 VA	15453 VA				
	ADDITIONAL FEED THRU LUGS LOAD (IF APPLICABLE):			0 VA	0 VA	0 A				
	TOTAL AMPS:			113 A	130 A	131 A				

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC -	43060 VA	100.00%	43060 VA		
POWER -	180 VA	100.00%	180 VA	**TOTAL CONNECTED LOAD:**	44320 VA
RECEPTACLE -	1080 VA	100.00%	1080 VA	**TOTAL ESTIMATED DEMAND:**	44320 VA
				TOTAL CONNECTED LOAD (A):	123 A
				TOTAL ESTIMATED DEMAND...	123 A

NOTES:

PROVIDE SPD BREAKER PER ONELINE SCHEDULE.
RECEPTACLE DEMAND FACTOR = FIRST 10kVA X 100% + 50% OF REMAINDER

PANELBOARD " D1B" LOAD SCHEDULE

PANEL: D1B
LOCATION: STORAGE 267 / FIRST FLOOR - UNIT D...
ADDED ACCESSORIES: SPD
MOUNTING: SURFACE
AMPS: 225 A MLO
FEED-THRU LUGS... No
VOLTAGE: 208/120V, 3PH, 4W
FED FROM: MDPD2
A.I.C. VALUE: 7053 A

	CIRCUIT DESCRIPTION	TRIP (A)	POLES	A	B	C	POLES	TRIP (A)	CIRCUIT DESCRIPTION	
1	HVAC - HUV-277B	20	2	302 302			2	20	HVAC - HUV-277A	2
3	--	--	--		302 302		--	--	--	4
5	RECEPTACLE -	20	1			180 180	1	20	RECEPTACLE -	6
7	HVAC - HUV-D18	20	2	302 480			1	20	HVAC - EF-D6	8
9	--	--	--		302 180		1	20	RECEPTACLE -	10
11	HVAC - EF-D4	20	1			480 240	1	20	HVAC - UH-D2	12
13	HVAC - EF-D5	20	1	480 1540			2	20	HVAC - ACCU-D13B	14
15	HVAC - UH-D1	20	1		240 1540		--	--	--	16
17	HVAC - P-D8	20	3			418 0	2	20	SPARE	18
19	--	--	--	418 0			--	--	--	20
21	--	--	--		418 0		2	20	SPARE	22
23	SPARE	20	1			0 0	--	--	--	24
25	SPARE	20	1	0 0			2	20	SPARE	26
27	SPARE	20	1		0 0		--	--	--	28
29	SPARE	20	1			0 --	1	--	SPACE	30
31	SPACE	--	1	-- --			1	--	SPACE	32
33	SPACE	--	1		-- --		1	--	SPACE	34
35	SPACE	--	1			-- --	1	--	SPACE	36
37	SPARE	20	1	0 --			1	--	SPACE	38
39	SPARE	20	1		0 --		1	--	SPACE	40
41	SPARE	20	1			0 --	1	--	SPACE	42
43	SPARE	20	1	0 --			1	--	SPACE	44
45	SPARE	20	1		0 --		1	--	SPACE	46
47	SPARE	20	1			0 --	1	--	SPACE	48
49	SPD	30	3	0 --			1	--	SPACE	50
51	--	--	--		0 --		1	--	SPACE	52
53	--	--	--			0 --	1	--	SPACE	54
	TOTAL LOAD:			3824 VA	3284 VA	1498 VA				
	ADDITIONAL FEED THRU LUGS LOAD (IF APPLICABLE):			0 VA	0 VA	0 A				
	TOTAL AMPS:			34 A	30 A	12 A				

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC -	8065 VA	100.00%	8065 VA		
RECEPTACLE -	540 VA	100.00%	540 VA	**TOTAL CONNECTED LOAD:**	8605 VA
				TOTAL ESTIMATED DEMAND:	8605 VA
				TOTAL CONNECTED LOAD (A):	24 A
				TOTAL ESTIMATED DEMAND...	24 A

NOTES:

PROVIDE SPD BREAKER PER ONELINE SCHEDULE.
RECEPTACLE DEMAND FACTOR = FIRST 10kVA X 100% + 50% OF REMAINDER

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ADDENDUM NO. 3	12-9-2025
ISSUED FOR	DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS

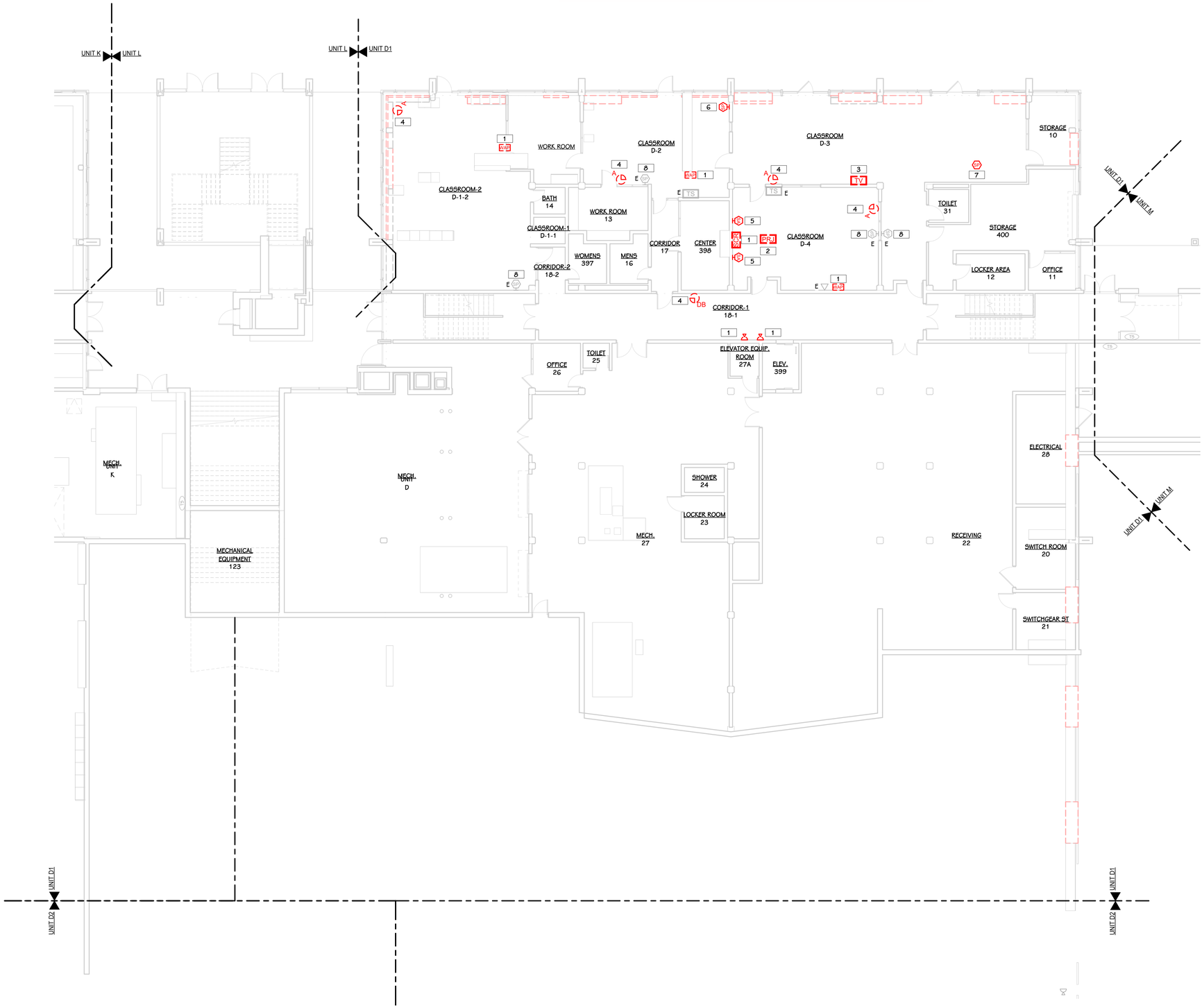
Kalamazoo, Michigan

SHEET TITLE
ELECTRICAL PANEL LOAD SHEETS

DATE
OCTOBER 31, 2025

SHEET NUMBER
E 501
23-637.00

TECHNOLOGY SCOPE SHOWN ON THIS SHEET IS FOR REFERENCE ONLY AND IS PART OF A SEPARATE PROJECT #23-650.014



LOWER FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT D1
1" = 10'-0"

A3

KEYED NOTES - TECHNOLOGY - DEMOLITION

1 DEVICE SHALL BE REMOVED AND RETURNED TO LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE STORAGE LOCATION WITH KPS FACILITIES. DOCUMENT CABLE ID, MAC ADDRESS, & DEVICE LOCATION. COIL CABLE AT CEILING FOR FUTURE INSTALLATION.

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8 PAGING SPEAKER SHALL BE COVERED WITH PLASTIC TO PROTECT DURING DEMOLITION.

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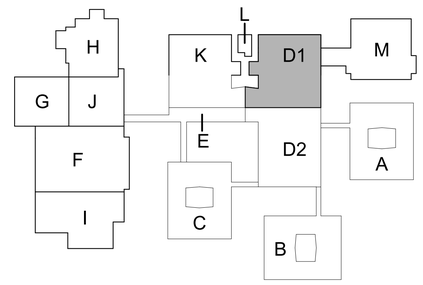
LOY NORRIX HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM NO. 3 12-09-2025
ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL - MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
LOWER FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT D1 - FOR REFERENCE ONLY

DATE
OCTOBER 31, 2025

SHEET NUMBER
TD 100D1
23-637.00

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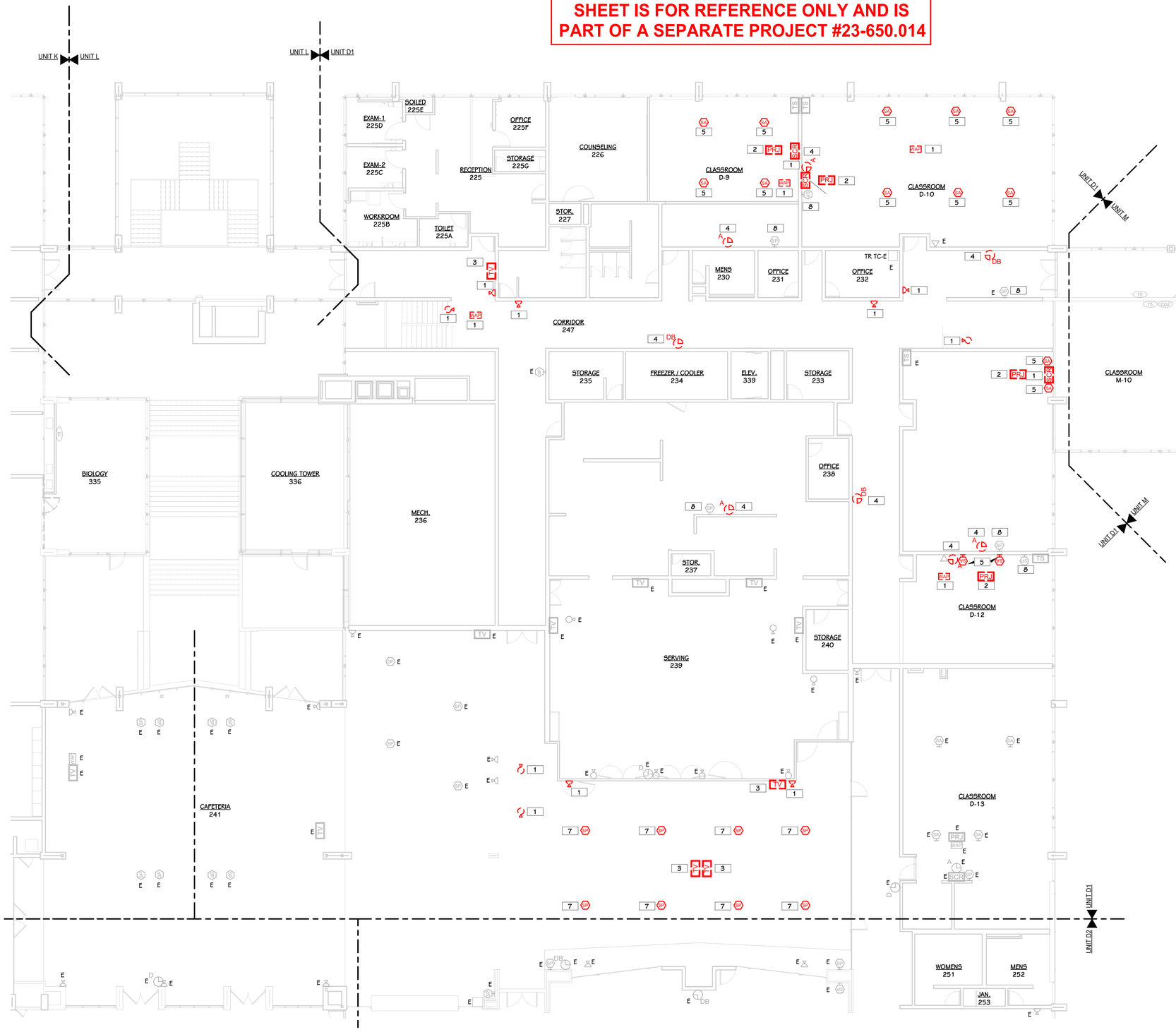

FIRST FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT D1
1" = 10'-0"

A3

KEYED NOTES - TECHNOLOGY - DEMOLITION

1 DEVICE SHALL BE REMOVED AND RETURNED TO LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE STORAGE LOCATION WITH KPS FACILITIES. DOCUMENT CABLE ID, MAC ADDRESS, & DEVICE LOCATION. COIL CABLE AT CEILING FOR FUTURE INSTALLATION.

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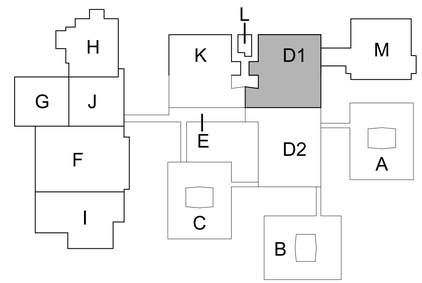
LOY NORRIX HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM NO. 3	12-09-2025
ISSUED FOR	DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL - MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
FIRST FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT D1 - FOR REFERENCE ONLY

DATE
OCTOBER 31, 2025

SHEET NUMBER
TD 101D1
23-637.00

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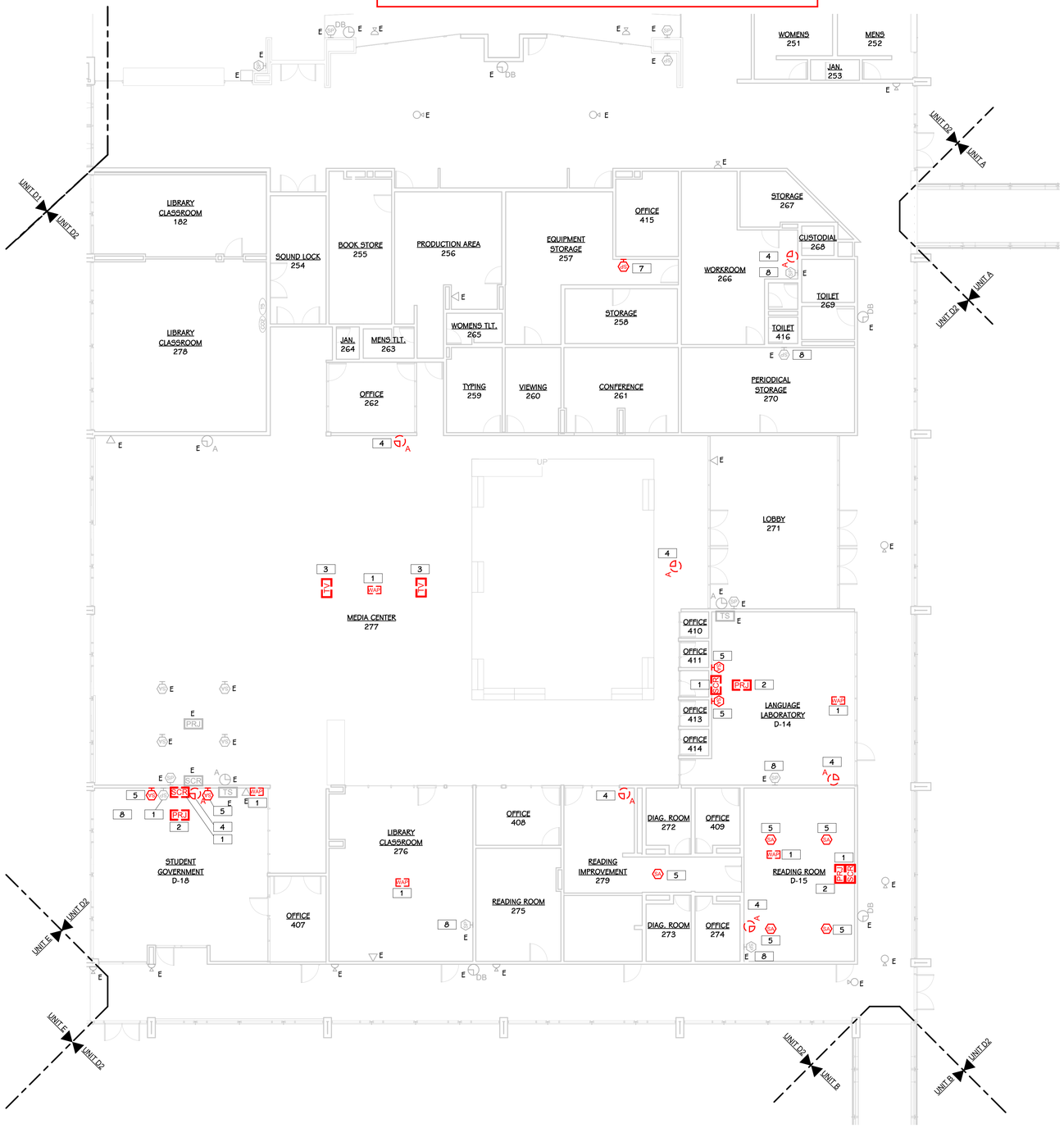

FIRST FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT D2
1" = 10'-0"

KEYED NOTES - TECHNOLOGY - DEMOLITION

1 DEVICE SHALL BE REMOVED AND RETURNED TO LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE STORAGE LOCATION WITH KPS FACILITIES. DOCUMENT CABLE ID, MAC ADDRESS, & DEVICE LOCATION. COIL CABLE AT CEILING FOR FUTURE INSTALLATION.

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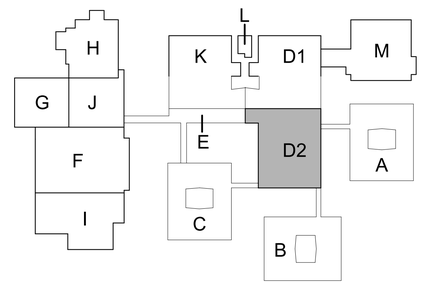
LOY NORRIX HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM NO. 3 — 12-09-2025
ISSUED FOR — DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL - MECHANICAL IMPROVEMENTS PROJECT

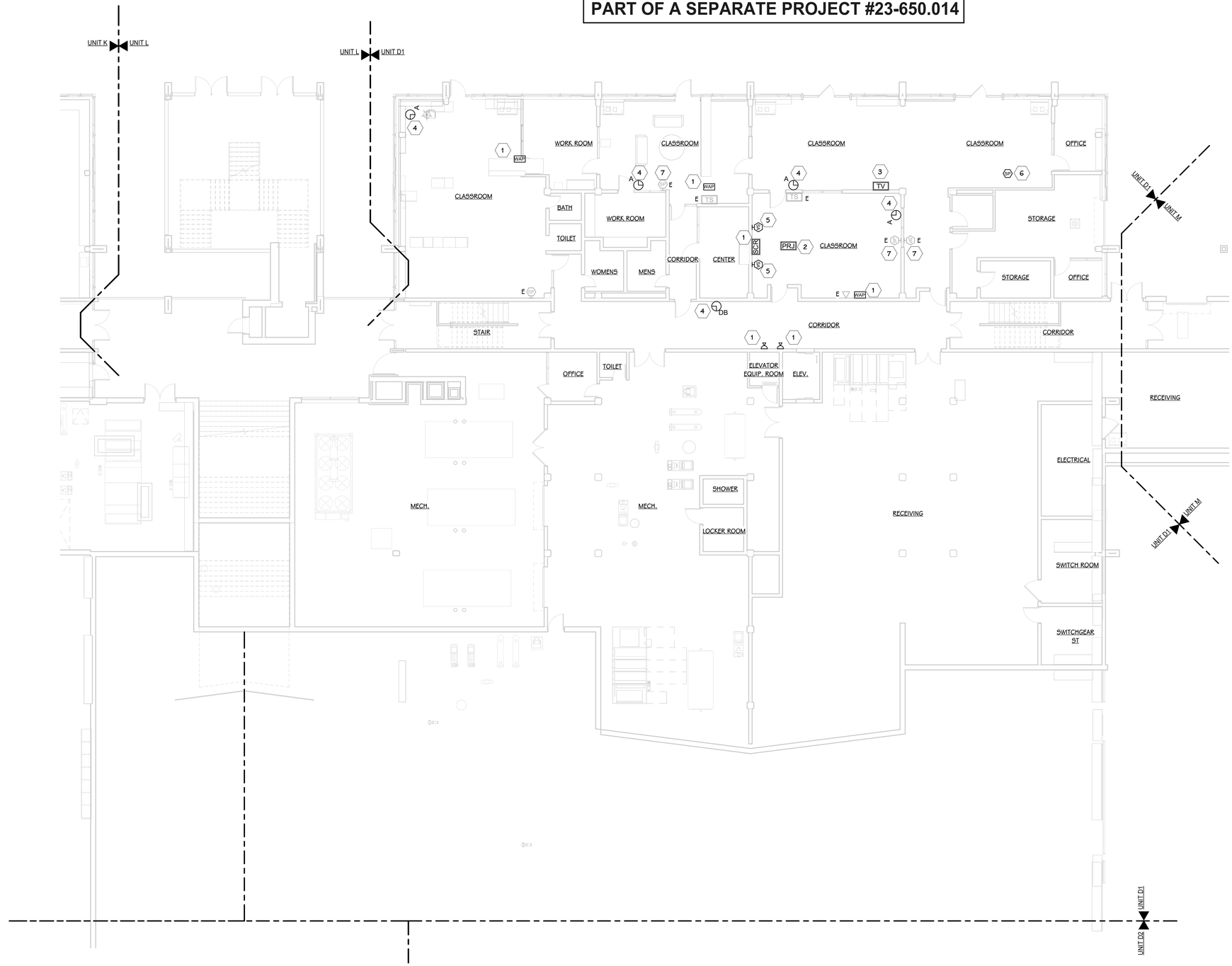
OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
FIRST FLOOR TECHNOLOGY DEMOLITION PLAN - UNIT D2 - FOR REFERENCE ONLY

DATE
OCTOBER 31, 2025

SHEET NUMBER
TD 101D2
23-637.00

TECHNOLOGY SCOPE SHOWN ON THIS SHEET IS FOR REFERENCE ONLY AND IS PART OF A SEPARATE PROJECT #23-650.014



LOWER LEVEL TECHNOLOGY PLAN - UNIT D1
1" = 10'-0"

KEYED NOTES - TECHNOLOGY - CONSTRUCTION

1 RETRIEVE DEVICE FROM DEMOLITION FROM LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE WITH KPS FACILITIES. REINSTALL DEVICE AT ORIGINAL LOCATION USING EXISTING CABLING AND MOUNTING HARDWARE.

2 RETRIEVE PROJECTOR AND MOUNT FROM LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE WITH KPS FACILITIES. REINSTALL AT ORIGINAL LOCATION USING EXISTING CABLING AND MOUNTING HARDWARE. RECONNECT TO AV CABLING.

3 RETRIEVE DISPLAY FROM OWNER LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE WITH KPS FACILITIES. REINSTALL AT ORIGINAL LOCATION USING EXISTING CABLING AND MOUNTING HARDWARE. RECONNECT TO AV CABLING.

4 CLOCK SHALL BE RETRIEVED FROM LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE WITH KPS FACILITIES. REINSTALL DEVICE AT ORIGINAL LOCATION USING EXISTING CABLING AND MOUNTING HARDWARE.

5 RETRIEVE AV SPEAKER FROM LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE WITH KPS FACILITIES. REINSTALL AV SPEAKER. USE EXISTING CABLING.

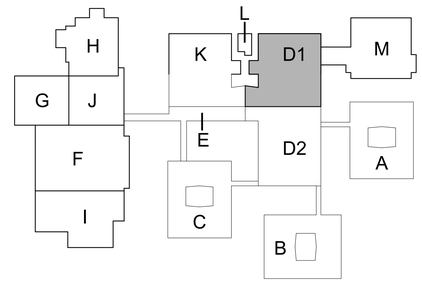
6 INSTALL NEW PAGING SPEAKER. USE EXISTING CABLING. REFER TO DOCUMENTED SPEAKER TAP TO MATCH PREVIOUSLY INSTALLED PAGING SPEAKER.

7 PLASTIC COVERING SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE.

ALL DEVICES SHALL BE REINSTALLED IN THEIR ORIGINAL LOCATION, EXCEPT NEW CEILING AV ("SA") SPEAKERS. THESE SHALL BE COMPLETED BY THE TECHNOLOGY CONTRACTOR AS PART OF A SEPARATE PROJECT.

NO NEW ROUGH-INS ARE PLANNED ON THIS PROJECT. IN THE EVENT THAT A NEW ROUGH-IN IS REQUIRED, THEN THE ROUGH-IN SHALL BE PROVIDED BY THE EC, MANAGED BY SKILLMAN.

LOY NORRIX HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM NO. 3 12-09-2025
ISSUED FOR DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL - MECHANICAL IMPROVEMENTS PROJECT

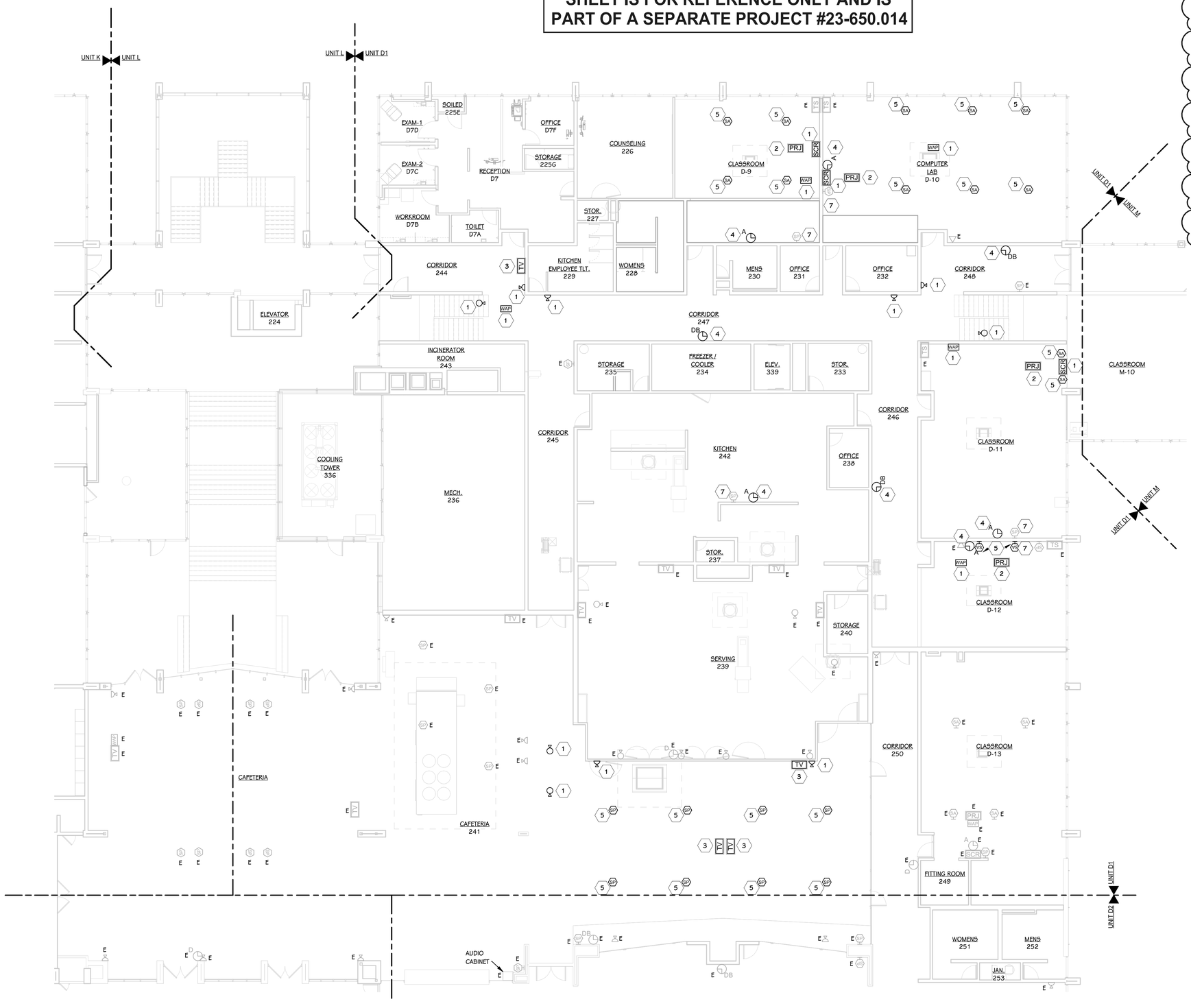
OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
LOWER LEVEL TECHNOLOGY PLAN - UNIT D1 - FOR REFERENCE ONLY

DATE
OCTOBER 31, 2025

SHEET NUMBER
T 100D1
23-637.00

TECHNOLOGY SCOPE SHOWN ON THIS SHEET IS FOR REFERENCE ONLY AND IS PART OF A SEPARATE PROJECT #23-650.014



FIRST FLOOR TECHNOLOGY PLAN - UNIT D1
1" = 10'-0"

KEYED NOTES - TECHNOLOGY - CONSTRUCTION

1 RETRIEVE DEVICE FROM DEMOLITION FROM LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE WITH KPS FACILITIES. REINSTALL DEVICE AT ORIGINAL LOCATION USING EXISTING CABLING AND MOUNTING HARDWARE.

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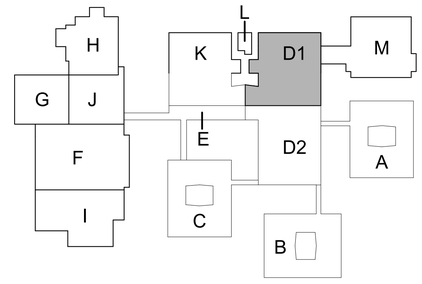
7 PLASTIC COVERING SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE.

ALL DEVICES SHALL BE REINSTALLED IN THEIR ORIGINAL LOCATION, EXCEPT NEW CEILING AV ("5A") SPEAKERS. THESE SHALL BE COMPLETED BY THE TECHNOLOGY CONTRACTOR AS PART OF A SEPARATE PROJECT.

NO NEW ROUGH-INS ARE PLANNED ON THIS PROJECT. IN THE EVENT THAT A NEW ROUGH-IN IS REQUIRED, THEN THE ROUGH-IN SHALL BE PROVIDED BY THE EC, MANAGED BY SKILLMAN.

LOY NORRIX HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM NO. 3	12-09-2025
ISSUED FOR	DATE

PROJECT TITLE
LOY NORRIX HIGH SCHOOL - MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
FIRST FLOOR TECHNOLOGY PLAN - UNIT D1 - FOR REFERENCE ONLY

DATE
OCTOBER 31, 2025

SHEET NUMBER
T 101D1
23-637.00

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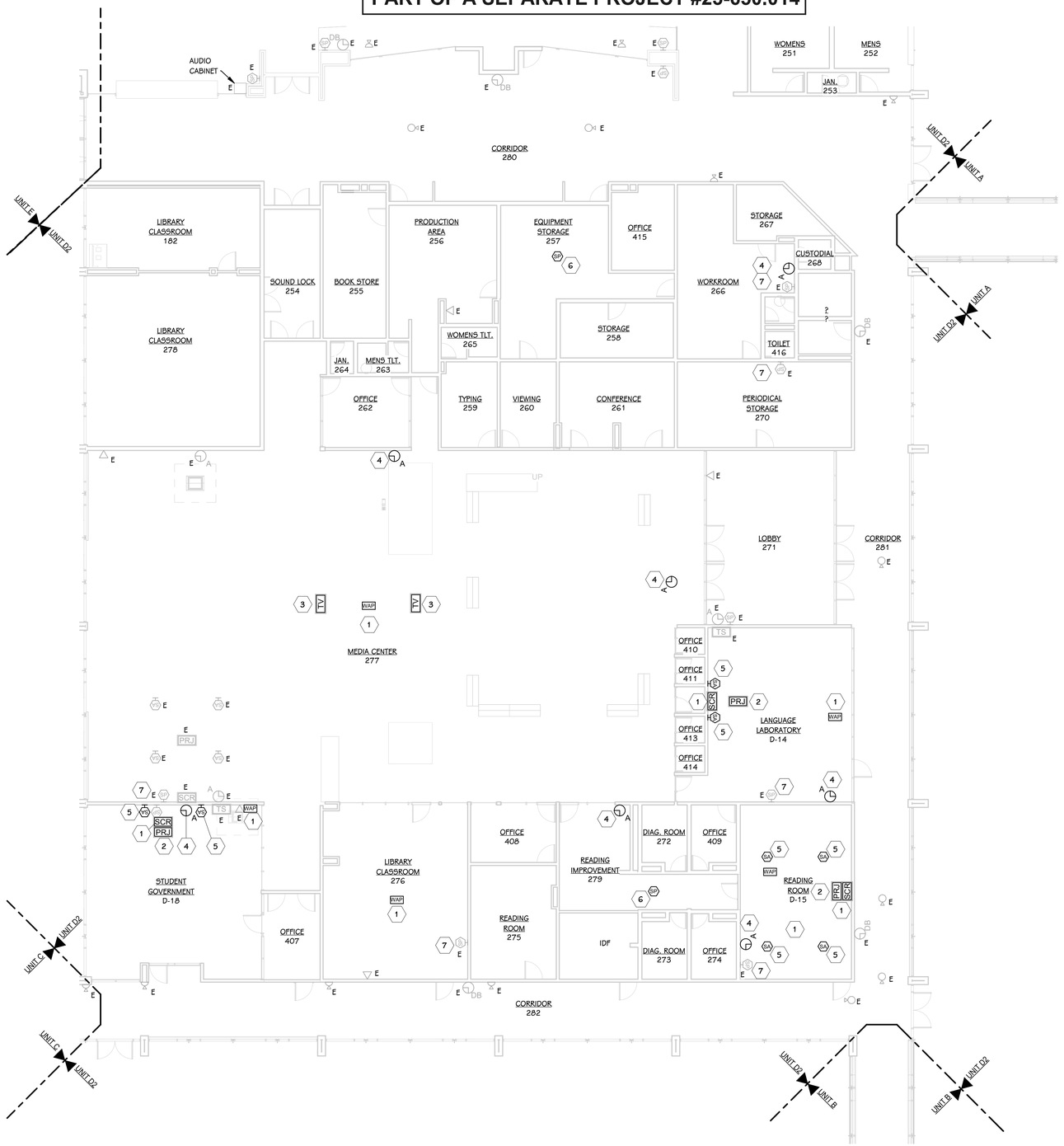

FIRST FLOOR TECHNOLOGY PLAN - UNIT D2
1" = 10'-0"

KEYED NOTES - TECHNOLOGY - CONSTRUCTION

1 RETRIEVE DEVICE FROM DEMOLITION FROM LOY NORRIX HIGH SCHOOL STORAGE. COORDINATE WITH KPS FACILITIES. REINSTALL DEVICE AT ORIGINAL LOCATION USING EXISTING CABLING AND MOUNTING HARDWARE.

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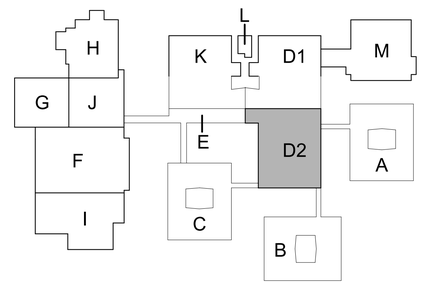

KEY PLAN
SCALE: NO SCALE

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ADDENDUM NO. 3	12-09-2025
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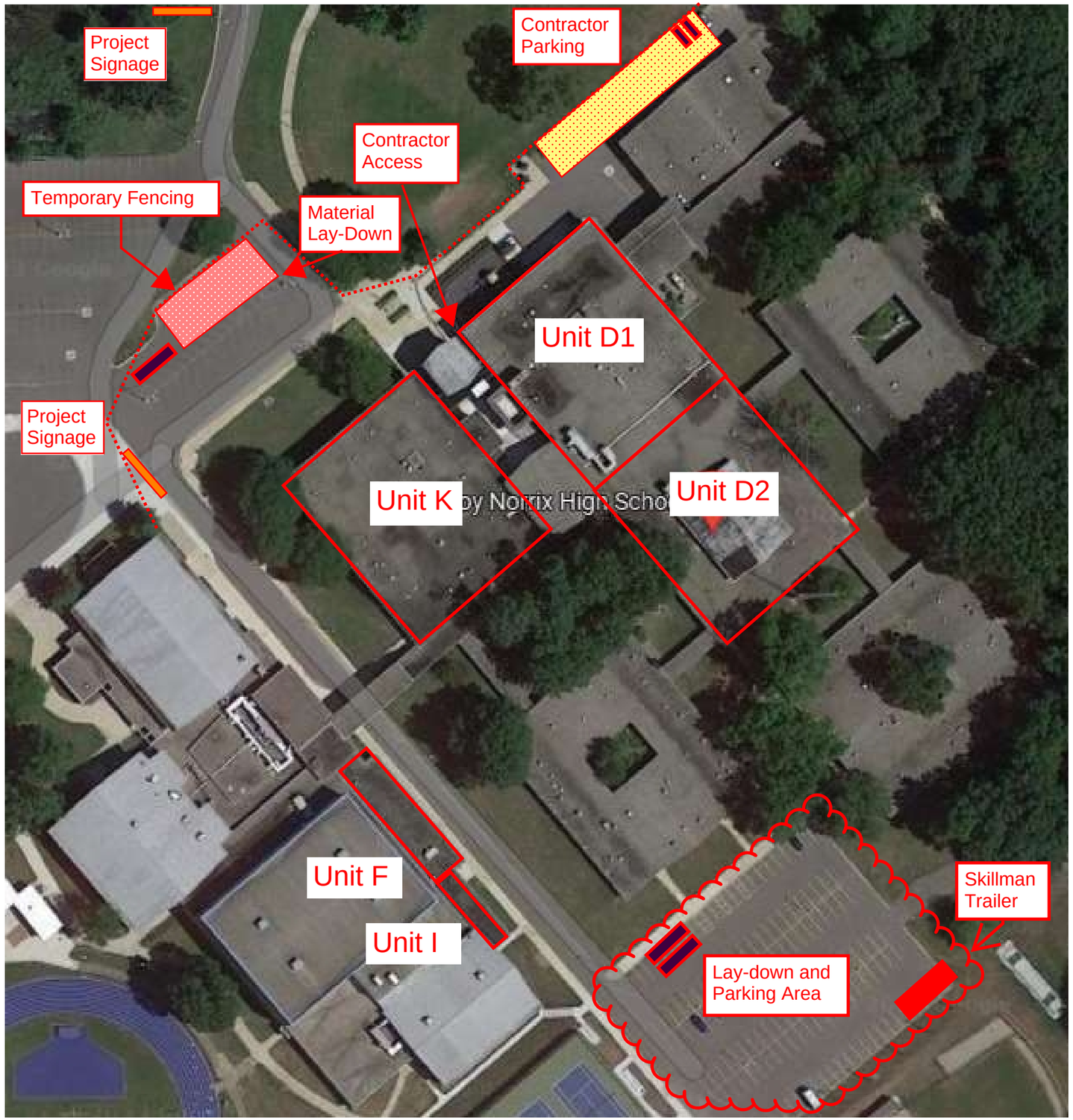
PROJECT TITLE
LOY NORRIX HIGH SCHOOL - MECHANICAL IMPROVEMENTS PROJECT

OWNER
KALAMAZOO PUBLIC SCHOOLS
Kalamazoo, Michigan

SHEET TITLE
FIRST FLOOR TECHNOLOGY PLAN - UNIT D2 - FOR REFERENCE ONLY

DATE
OCTOBER 31, 2025

SHEET NUMBER
T 101D2
23-637.00



Kalamazoo Public Schools

Loy Norrix High School - HVAC Improvements

Legend:

-Material Lay-Down Area

-Project Signage

-Construction Dumpsters

-Contractor Parking

Kalamazoo Public Schools

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Loy Norrix Mechanical Site Logistics Plan - 11/12/2025

SECTION 01 52 10 - CONSTRUCTION AIDS AND TEMPORARY ENCLOSURES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including amended General Conditions and other Division 1-Specification Sections, apply to work of this Section.

1.02 CONSTRUCTION AIDS

A. Provide and maintain temporary gang ladders, stairs, ramps, runways, platforms and other such facilities and equipment for proper access to the Work for all Contracts, and in no case less than those required by applicable Federal, State, and local law(s).

B. When permanent stair framing is in place, provide temporary treads, platforms and railings for use by construction personnel.

1.03 TEMPORARY ENCLOSURES

A. Provide reinforced plastic or plywood covered frames for window openings and hinged plywood or batten doors with locks to maintain temperatures necessary to perform the work and provide security.
   1. Provide protection against all kinds of adverse weather so that the building and materials will not be damaged, and against unauthorized entry.
   2. Protection shall be provided well in advance of finishing operations.

B. Provide temporary enclosures to separate work areas from finished areas and from areas occupied by Owner; to prevent penetration of dust or moisture into finished and occupied areas, and to protect the public from construction work.
   1. Temporary partition and ceiling enclosures: framing and sheet materials which comply with structural and fire rating requirements of applicable codes and standards.
   2. Close joints between sheet materials, and seal edges and intersections with existing surfaces, to prevent penetration of dust or moisture.

C. Provide, install and maintain wall-to-wall floor protection to safeguard existing Surfaces from spills, moisture, scratches, breakage, scuffs, and other damage caused by demolition, construction activities, wheelbarrows, carts, foot traffic, or stored materials.

1.04 RELOCATION AND REMOVAL

A. Relocate as required by progress of construction, by storage or work requirements, and to accommodate legitimate requirements of Owner and other contractors employed at the site.

B. Completely remove when construction needs can be met by use of permanent construction.

C. Clean and repair damage caused by installation or by use.

D. Restore existing facilities used for temporary purposes to specified or to original condition.

E. Restore permanent facilities used for temporary purposes to specified condition.

PART 2 - PRODUCTS, PART 3 - EXECUTION (Not Used)

END OF SECTION 01 52 10

SECTION 01 53 10 - FENCES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including amended General Conditions and other Division-1 Specification Sections, apply to work of this Section.

1.02 SCHEDULING

A. Provide temporary fencing to outline limits of site usage prior to start of other work as required by Contract Documents.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Security Fencing is to be portable, free-standing fence panels measuring 6 feet high by 12 feet wide (typical), constructed from 9-gauge galvanized chain link wire mesh. Panels shall be securely bolted together using a minimum of two clamps per connection and stabilized with sandbag ballasts. The fencing will be provided by the Owner through the Construction Manager. The designated contractor is responsible for the installation, removal, ongoing maintenance, and relocation of the fencing as directed by the Site Manager. (Allow for **1,200 Lineal Feet**)

B. Construction fencing shall be orange plastic mesh, securely attached to driven T-posts with fence clamps. Fencing must be installed around excavations, temporary structures, storage areas, roadways, and any other areas that pose potential hazards, as needed to maintain safety and security. The contractor responsible for creating the hazard shall provide, install, and maintain the construction fencing for the entire duration of the project.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Install construction fencing where indicated and around temporary structures, storage areas, roadways and other hazards as required for safety and security.

B. Space posts 6' o.c. and drive 3' into ground. Fasten fence to each post with five (5) fasteners.

C. Space posts 10' o.c. and drive 3' into ground. Fasten fence to each post with five (5) fasteners.

D. Provide gate posts and gates for two (2) 20'-0" side openings (each opening to contain two (2) 10'-0" leaves) with forked type or plunger type latch to permit operation from either side of gate with padlock eye as an integral part of latch.

E. **3.02 MAINTENANCE**

A. Maintain fencing in good repair until completion of the Project unless directed otherwise by the Construction Manager.

B. Relocate fencing if necessary due to construction progress when directed by the Construction Manager.

C. Remove fencing when directed by the Construction Manager.

END OF SECTION 01 53 10

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KPS Loy Norrix Mechanical Improvements

Pre-Bid RFI Log

12/8/2025

RFI #	Company Submitting RFI	Date Received	RFI Description	RFI Response
1	Kalamazoo Mechanical Inc.	11/25/2025	What is the RFI cut off date?	[TSC}: RFI's are to be submitted by EOD 12.05.2025. We will do our best to answer questions after that date as possible.
2	Kalamazoo Mechanical Inc.	11/25/2025	Do you have a line item schedule?	[TSC]: Yes, we will include it in the next Addendum.
3	Kalamazoo Mechanical Inc.	11/25/2025	Who is responsible for providing and installing the louvers?	[TSC]: Louvers are currently listed in General Trades. This will be changed to Mechanical bid category in the next Addendum.
4	Kalamazoo Mechanical Inc.	11/25/2025	Who is the CxA and what system are they using?	[TSC]: CxA is contracted through TP. System is Tridium.
5	Kalamazoo Mechanical Inc.	11/25/2025	Will meetings be virtual or in person? Weekly?	[TSC]: Progress Meetings will be on-site in field office trailer.
6	Kalamazoo Mechanical Inc.	11/25/2025	Is the mechanical contractor responsible for temporary heating?	[TSC]: Yes.
7	Kalamazoo Mechanical Inc.	11/25/2025	Are we responsible for any floor protection? Yes.	[TSC]: Each trade is responsible for protecting the floor against damage from their work.
8	Kalamazoo Mechanical Inc.	11/25/2025	A100D1, note 10 says general trades is picking up the insulated panels, please confirm.	[TSC]: Yes. General Trades is to include insulated panels.
9	Kalamazoo Mechanical Inc.	11/25/2025	M201, note 13 has us running piping inside of some casework that does not appear to be demolished. Will accommodations be made for this?	**This will be addressed in Addendum No. 3** **L. Dingemans 12.09.2025**
10	Miller-Davis Company	12/3/2025	Is the mechanical bid category responsible for demo of mechanical Items?	[TSC]: Yes, Mecahnical Bid is to demo Mechanical items.
11	Miller-Davis Company	12/3/2025	Is the mechanical bid category responsible for louvers?	[TSC]: Yes. This will be addressed in Addendum No. 3
12	Miller-Davis Company	12/3/2025	Are the concrete mechanical pads on sheet A 100D1 existing, or new? Can specs/drawings for new mechanical pads be provided?	[TSC]: To be addressed in Addendum No. 3. Any new pads would be by General Trades.
13	Miller-Davis Company	12/3/2025	Who is responsible for roof penetrations/demo?	[TSC]: Roofing Bid Category.
14	Miller-Davis Company	12/3/2025	Who is responsible for metal panel installation, A 100D1/2, and can specs for the metal panels be provided?	[TSC]: Metal panels are by General Trades. [TP]: Yes, specs for metal panels can be provided. This will we included in Addendum No. 3. L. Dingemans 12.05.2025

15	Miller-Davis Company	12/3/2025	On sheet AD301 it calls for the removal of glass at four locations, but on sheet A301 it calls for the infill at 5 locations. Please Advise.	[TP]: AD301 reflects the correct four locations of glass removal. This will occur where the four new vertical unit ventilators will be install. Infill locations will be clarified in Addendum 3. L. Dingemans 12.05.2025
16	Miller-Davis Company	12/3/2025	Who is responsible for the break metal closure pieces, A 100D1/1, at the new uv units?	[TSC]: Mechanical Bid responsible for these break metal pieces. [TP]: This is not a TP question. L. Dingemans 12.8.2025
17	Miller-Davis Company	12/3/2025	There are notes in the architectural plans for the reinstallation of wood trim, A321/4, but there are no removal notes of wood trim. Please advise.	[TP]:The reinstallation of salvaged wood trim will reflect the same locations where wood trims are being removed from. Demo locations will be included in Addendum 3. L. Dingemans 12.05.2025
18	Miller-Davis Company	12/3/2025	Who is responsible for caulking what? Sealants are required at bulkheads, ceilings transition, windows and the roof, but the sealant spec is located in the roofing bid category.	[TSC}: All trades are responsible for caulking and sealing work installed by them or penetrations for their work. To be further clarified in Addendum 3.
19	Miller-Davis Company	12/3/2025	Can a schedule be provided?	[TSC]: A 'Guideline Schedule' (not final project schedule) is included in this Addendum 2.
20	Miller-Davis Company	12/3/2025	Can a site plan be provided to show where tree & plant protection and trash chutes need to go?	[TSC]: A Site Logistics Plan will be included in this Addendum 3. Use of trash chutes is not anticipated.
21	Miller-Davis Company	12/3/2025	Who is responsible for the clear anodized aluminum chase?	[TSC}: Mechanical contractor is responsible for chases
22	Kalamazoo Mechanical Inc.	12/4/2025	Drawings show HHWS/R lines coming up through a classroom and running overhead with metal enclosures. Would it be advantageous to keep the new lines in the existing tunnels?	**[TP]: The intent is to get piping out of tunnels. Joe Chapman 12.9.2025**
23	Kalamazoo Mechanical Inc.	12/4/2025	Who is responsible for the heat trace?	[TSC}: Electrical contractor is responsible for heat trace.
24	Jergens	11/24/2025	On drawing M 310 RTU-D1 has a note that says “heat trace piping” Is the heat trace existing? Does new heat trace need to be installed? Will this fall under mechanical or electrical scope?	**[TP]: There is existing heat trace that will need to be replaced. This will be clarified in upcoming Addendum 3. Ryan Schwartz 12.9.2025**
25	Buist Electric	12/8/2025	On drawing E150D1, they mention heat trace for the water supply line. I don’t see any specs or a footage for what to provide. Can you please have the engineer clarify whose responsible for the heat trace? Maybe a length as well?	**[TSC}: Electrical contractor is responsible for heat trace.** **[TP]: Approximately 20 feet of heat trace will need to be replaced. Exact measurements will need to be field verified. This will be clarified in upcoming Addendum 3. Ryan Schwartz 12.9.2025**